



WESTWARD PARTS



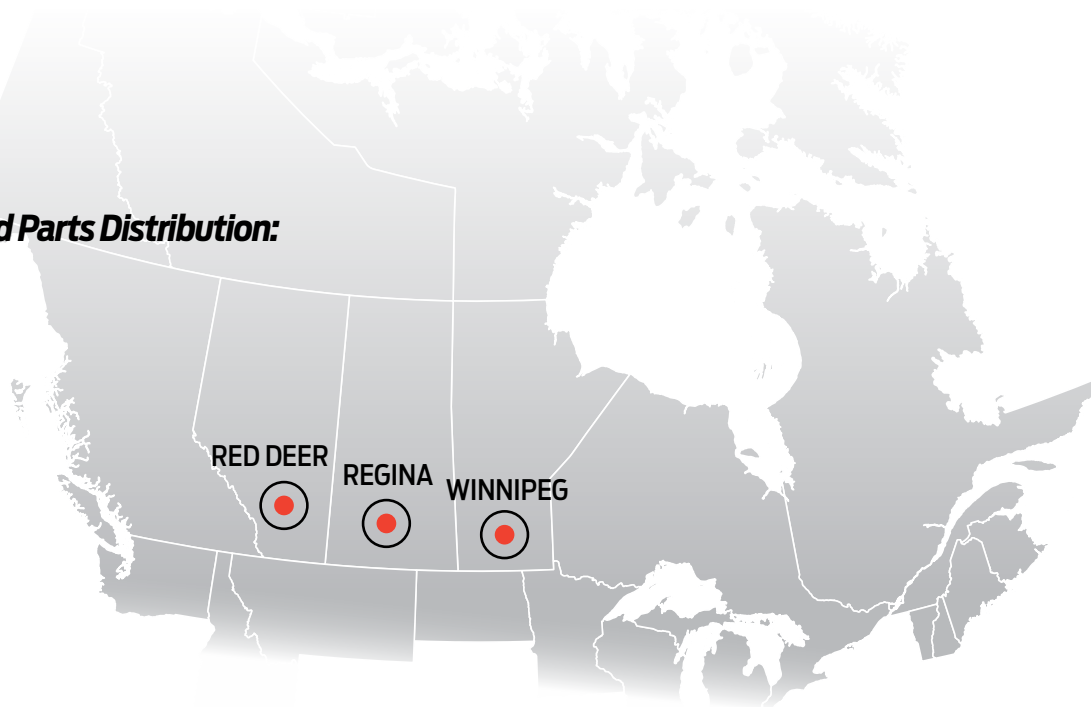
2025 SPRAYER PARTS CATALOGUE

Westward has the part!

Westward has the part!

Westward has the part! That's our commitment to you, and that's what sets us apart. Westward Parts has over 52 years of expertise with all makes of agricultural parts, sprayer parts, sprayers, as well as ground maintenance and estate equipment. Our Canadian dealers are served from three different warehouse locations across the country. Westward Parts offers our dealers the most comprehensive product portfolio and exclusive product offerings. And it will all be delivered on time, with an enjoyable customer service experience that won't let you down.

Westward Parts Distribution:



RED DEER
6517 - 67 Street
Red Deer, AB T4P 1A3
Fax: 1-800-661-4508

REGINA
201 Henderson Drive
Regina, SK S4N 7E2
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WINNIPEG
1435 St. James Street
Winnipeg, MB R3H 0W9
Fax: 1-800-257-8338

1-888-937-7278

WWW.WESTWARDPARTS.COM

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HOSE END SPRAYER



- All Purpose Hose End with Metering Dial features a durable poly tank with comfort-grip handle
- Built-in anti-siphon to prevent backflow and durable brass mixing head with 16 mixing ratios
- Fits any standard size garden hose and sprays up to 320 gallons from 32 ounces of concentrate
- Automatically mixes liquid concentrate with water

Part No. SPPG362D

UPSIDE DOWN SPRAY BOTTLE



- 32-ounce translucent poly bottle
- Compatible with common fertilizers, weed killers and pesticides
- Sprays upside down
- In-tank filter

Part No. SPP1105

AGRIEASE HANDHELD SPRAYER



- Lightweight
- Handle action piston pump
- Single conical spray tip
- Pressure relief valve

1 Litre ~ Part No. SPWHH1

AGRIEASE SPRAYER



- Lightweight & easy to use
- Handle action piston pump
- Single conical spray tip
- Large mouth for easy filling
- Pressure relief valve

6L / 1.7Gal ~ Part No. SPWHH6

8L / 2.1Gal ~ Part No. SPWHH8

MOSQUITO SPRAYER



- 1-gallon poly tank with ergonomic handle for easy carrying
- Poly fogging nozzle, great for mosquito treatments
- SureSpray anti-clog filter
- Poly shut-off with lock-on feature for continuous spraying
- Reinforced hose

Part No. SPP2014



**PREMIER POLY SPRAYER
7.6L / 2 GAL**

- Large 4" opening
- Anti-clog filter
- Adjustable brass nozzle
- Pressure relief valve
- Viton seals & gaskets

Part No. SPP21220XP



**PREMIER SS SPRAYER
7.6L / 2 GAL**

- Stainless steel tank
- Anti-clog filter
- Adjustable brass nozzle
- Pressure relief valve
- Viton seals & gaskets

Part No. SPP1253



DRY 32oz HOSE END SPRAYER

- Automatically mixes dry, water soluble fertilizers without premixing
- 4 pattern spray dial with easy on/off thumb control
- Built-in anti-siphon feature prevents backflow

Part No. SPPG405



1.42 LITRE FARM & FIELD

Part No. SPP1003



HAND CRANK SPREADER

- 1.5-Liter / 92-Cubic Inch capacity scoop spreader
- Compatible with fertilizer, seeds and salt / ice-melt
- Easy-crank design
- Lightweight and easy to maintain
- Great for small areas

Part No. SPP8706A



HAND-HELD SHAKER

- 64 oz capacity and easy fill design
- Holds up to 4 lbs of product
- 3 shaker settings
- Easy-fill opening & comfortable handle
- Handle designed for use with winter gloves
- Sold individually - boxed in quantity of 6 units

Part No. SPP8740A



**PRO SERIES
7.6L / 2 GAL**

- Anti-clog filter
- Brass nozzle
- Large opening
- Pressure relief valve
- Viton seals & gaskets

Part No. SPP26021XP



**JACTO HH-5
SPOT SPRAYER
5L / 1.3 GAL**

- Piston-type pump
- High durability tank
- Adjustable cone nozzle
- Decompression valve
- Wide funnel top

Part No. SPW1232231



The eXtended Performance (XP Series) open head pumps offer a 40% improvement in pump efficiency.



TREE / TURF BACKPACK SPRAYER

- 3 stage filtration system
- 4" wide opening with strainer/ filter basket
- Padded shoulder straps
- 3 nozzles (fan, cone and adjustable brass)
- Piston pump

15L / 4 Gal

Part No. SPP61800

As Above for Wettable Powders

Part No. SPP64800



Shut-Off Handle
Part No. SPP6-8138



JET-CLEAN BACKPACK SPRAYER

- Jet-clean self cleaning filter
- Wide-mouth 6" opening
- Built-in carry handle & wand clip
- Viton seals
- 40 - 60 PSI
- Lever action piston pump

15L / 4 Gal

Part No. SPP63900



TREE / TURF BACKPACK SPRAYER

- 4" large opening
- In-tank filter
- 21 PSI CF valve
- SS wand
- Adjustable pressure control valve
- Lever action piston pump

15L / 4 Gal

Part No. SPP61900



AGRIEASE BACKPACK SPRAYER

- Comes with 4 tips
- Large opening lid
- Padded straps
- Built-in screens
- Lever action piston pump

16L / 4.2 Gal

Part No. SPWBP16



CHAPIN 20V RECHARGEABLE BACKPACK

- One charge sprays up to 50 gallons.
- Powered by Black + Decker™ 20v Lithium Ion Battery (charger included)
- Lightweight (9.8 lbs)
- Sprays at a constant 35 PSI
- Equipped with Viton® seals and gaskets
- 6" Wide Mouth™ cap for easy filling
- Built-in carrying handle

15L / 4 Gal

Part No. SPP63985



SHURFLO 12V ELECTRIC BACKPACK

- 15 Litre (4 Gallon) Polyethylene Tank
- Pump: 12 VDC, 1.0 GPM, 40-PSI Demand (SLV10-AA41)
- Teejet poly wand with a x26 adjustable cone nozzle
- Battery: 12 Volt, 7.0 Amp / Hour Sealed Lead / Acid

15L / 4 Gal

Part No. SPP7916



PRETREAT & DE-ICE BACKPACK

- Great for pretreating and de-icing hard surfaces during the cold winter hours
- Large opening with filter for easy filling
- Positional handle for left or right hand
- In-tank removeable filter
- Viton o-ring and seals
- Poly wand with 2 poly nozzles; cone & fan

15.1L / 4 Gal

Part No. SPP61808



Replacement Battery
Part No. SPPLBXR20



Replacement Battery
(Charger Not Included)
Part No. SPP94-536-00

JACTO XP312 SERIES MANUAL SPRAYERS

- 3 & 4 gallon tank capacity
- 3.9" fill opening
- Pumps to 45 psi - 8
- Agitation - Hydraulic
- 130+ Max working pressure
- Trigger valve - Ergonomic with filter
- Padded shoulder straps with quick adjust
- Nozzles included - Blue adj. cone & EF80-02 Fan

SPW1210806 (3 Gal white)

SPW1210811 (3 Gal blue)

SPW1210807 (4 Gal white)

SPW1210812 (4 Gal blue)



JACTO HD400 MANUAL SPRAYERS



- 4 gallon tank capacity
- 4.1" fill opening
- Pumps to 45 psi - 6
- Agitation - Mechanical
- 65 psi max. working pressure
- Heavy duty trigger valve with lock
- Padded shoulder straps with quick adjust
- Nozzles included - Blue adj. cone & EF80-02 Fan

SPW1210802 (16L / 4G Blue)

SPW1210803 (16L / 4G White)

JACTO PJ SERIES MANUAL SPRAYER



- 4 gallon tank capacity
- 4.1" fill opening
- Pumps to 45 psi - 8
- Agitation - Mechanical
- 85 psi max. working pressure
- Heavy duty trigger valve with lock
- Stainless steel wand
- Powder coated metal tank base
- Padded shoulder straps with quick adjust
- Nozzles included - Blue adj. cone & EF80-02 Fan

SPW1210799 (16L / 4G)

JACTO CD400 SERIES MANUAL SPRAYER

- 4 gallon tank capacity
- 4.1" fill opening
- Pumps to 45 psi - 8
- Agitation - Mechanical
- 85 max. working pressure
- Heavy duty trigger valve with lock
- Stainless steel wand
- Powder coated metal tank base
- Padded shoulder straps with quick adjust
- Nozzles included - Blue adj. cone & EF80-02 Fan

SPW1210801 (16L / 4G)



JACTO PJH SERIES MANUAL SPRAYER

- 5 Gallon tank capacity
- 5.5" fill opening
- Pumps to 45 psi - 8
- Agitation - Mechanical
- 65 psi max working pressure
- Heavy duty trigger valve with lock
- Padded shoulder straps with quick adjust
- Nozzles included - Blue adj. cone & EF80-02 Fan

SPW1210800 (22L / 5G)



JACTO PJB-8C SERIES BATTERY POWERED SPRAYER

- 2 gallon tank capacity
- 3.9" fill opening
- Diaphragm pump
- Pump flow rate - 0.61 GPM
- Pump settings - one
- Agitation - None
- Ergonomic trigger valve with filter
- Padded shoulder straps with quick adjust
- Nozzles included — Blue adj. cone
- Lithium-Ion Battery
- Battery capacity - 20 Wh (10.8V - 2.2 Ah)
- Time to charge - 6 hours



SPW1230663 (9L / 2G)

JACTO PJB SERIES BATTERY POWERED BACKPACK SPRAYERS

- 4 or 5 gallon tank capacity
- 4.1" fill opening
- Diaphragm pump
- Pump flow rate - 0.61 GPM
- 5 pump settings
- Agitation - Hydraulic with Venturi
- 80 psi maxx working pressure
- Heavy duty trigger valve with lock
- Padded shoulder straps with quick adjust
- Nozzles included - Blue adj. cone, SFE110-02 Fan, DEF 06, JD12P fixed cone
- Removable lithium-ion battery type
- Battery capacity - 60 Wh (14.4V - 4.2 Ah)
- Time to charge - 4 hours



SPW1272393 (16L / 4G) SPW1272385 (20L / 5G)

JACTO DJB SERIES BATTERY POWERED BACKPACK SPRAYERS



PANEL

- Controls and monitors your DJB.
- Switch to doser or sprayer with just one button.

DOSER MODE

- Exclusive timer system that applies from 5- to 300-ml (0,17 to 10,14 oz) dosages with precision and speed.
- Jacto DJB has 5 dose intervals available.
- The liquid is dosed according to the selected time interval.
- Press the trigger just once, DJB finishes the work for you.

SPW1277571 (16L / 4G)

SPRAYER MODE

- 5 levels of constat pressure regardless of the battery level.
- Uniform application from start to finish.

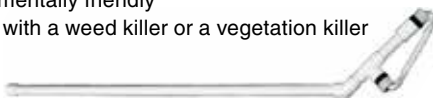
REMOVABLE BATTERY

- Easy installation and removal.
- Full charge in only 4 hours.
- More than 50 gallons of application with one battery (using the JSF 02 yellow nozzle)

SPW1236352 (20L / 5G)

HAND HELD ROPE WICK

- Targets only those plants you wish to kill
- No drift
- No wasted chemicals
- Environmentally friendly
- For use with a weed killer or a vegetation killer



Part No. SPPWT1

Replacement Parts

No.	Description
SPP5979	Fitting assembly with 18" wick
SPP39-34	3/4" MGHT x 3/4" MPT
SPP5988	Cone Washer
SPP5986	3/4" FGHT Nut - 1/2" Hole

MOUNTED ROPE WICK

- Available in 5 ft. models (3" diameter)
- For wider coverage add additional units end to end
- A small holding tank can be added to increase time between refills



Part No. SPP7651

ATV Mounts



No.	Description
SPP7654	Includes 2 brackets and clamps

MANUAL SPRAYER FOR PEST CONTROL



The Jacto PJ-16U brings the quality and tradition of Jacto backpack sprayers, now applied to urban environments. Perfect for Pest Control professionals!

- 16 Litre (4.2 gallon) tank
- Special seals are 5 times stronger compared to conventional Viton seals.
- Hose: made of special PVC for greater chemical resistance.
- Internal stirrer: the solution is homogeneous throughout the application.

Part No. SPW1277547

MANUAL SPRAYER FOR PEST CONTROL



Jacto's famous quality, but with even more chemical resistance!

- 16 Litre (4.2 gallon) tank
- Special seals are 5 times stronger compared to conventional Viton seals.
- Hose: made of special PVC for greater chemical resistance.
- Internal agitator to keep the solution in suspension throughout the application process.

Part No. SPW1245277

BATTERY SPRAYER FOR PEST CONTROL

The perfect equipment for pest control in urban environments with difficult access and mobility. Light, compact, efficient and resistant.

- 8 Litre (2 gallon) tank
- Equipped with a simple, protected "on/off" switch.
- PVC hose tested and approved in static and dynamic tests for resistance against the most aggressive chemicals.
- High-capacity chamber: 900 ml to reduce the amount of pumping required to maintain pressure for longer time periods.



Part No. SPW1301141

CLEANING & DEGREASING SPRAYER



- 7.6 Litre / 2 Gallon
- High performance poly sprayer for acid, cleaning, and degreasing
- Acid and chemical resistant seals and gaskets
- Wide opening for easy filling and cleaning
- Auto / manual high pressure relief valve
- Poly wand
- "Lock off" feature to prevent accidental discharge
- Adjustable poly nozzle sprays cone to stream

Wide mouth opening for easy filling

Part No. SPP22350XP

BLEACH SPRAYER



- 4 Litre / 1 Gallon
- Anti-clog filter to prevent clogging
- Ergo pump handle for easy pressurizing
- Large funnel top opening for no mess filling

Part No. SPP20075

ACID STAINING SPRAYER



- 7.6 Litre / 2 Gallon
- Acid and chemical resistant seals and gaskets
- Wide opening for easy filling and cleaning
- Auto / manual high pressure relief valve
- "Lock-off" feature to prevent accidental discharge
- Adjustable poly cone nozzle sprays coarse stream to a fine mist
- Serviceable poly pumps

Part No. SPP22240XP

XP The eXtended Performance (XP Series) open head pumps offer a 40% improvement in pump efficiency.

POLY FOAMER / SPRAYER



- 7.6 Litre / 2 Gallon
- 2 in 1 dual sprayer / foamer
- 120" coil hose for easier reach
- Built-in relief/release valve for added safety
- Funnel-top for easy filling
- Adjustable poly cone nozzle sprays fine mist, coarse stream and foam with foam nozzle kit

Part No. SPP2659E

Call for information if part numbers are not listed (-)

1-888-937-7278

INDUSTRIAL

CONCRETE VITON



- Metal ergo handle
- Viton seals and gaskets
- Heavy duty hose resists chemical attack, crimping, cracking and leaking
- 3.5 gal. Tri-Poxy lined steel for triple protection against corrosion, rust and damage from denting
- Holster keeps shut-off and tips secure

Dripless - Part No. SPP19149

Wand - Part No. SPP1949

FUNNEL TOP



- 11.4 Litre / 3 Gallon
- Tri-Poxy coated tank
- Tri-Lock wide mouth opening
- Viton seals & gaskets
- Funnel top for easy filling
- Industrial brass wand, shutoff, extension and nozzle

Part No. SPP1449

POLY VITON



- 11.4 Litre / 3 Gallon
- Wide mouth opening for easy filling
- 24" curved crush resistant extension
- Adjustable brass cone nozzle
- Handle includes "Lock-on" spraying feature
- Viton seals and gaskets

Part No. SPP22180XP

CONCRETE VITON



- 13.2 Litre / 3.5 Gallon
- Poly holster
- Brass fan spray nozzle
- Viton O-rings and gaskets
- Crush resistant brass wand
- In-tank filters
- Wide mouth opening

Dripless - Part No. SPP19249

POLY VITON



- Chapin's 22149XP is preferred by professionals for its lightweight, yet rugged durability. Featuring Xtreme seals, it's designed to handle the most corrosive chemicals without breaking down.
- 11.4 Litre / 3 Gallon
- 24" Brass extension wand
- Metal pump handle
- Viton seals and gaskets
- Wide mouth for easy filling
- Translucent tank for monitoring liquid level

Dripless - Part No. SPP22149XP

XP The eXtended Performance (XP Series) open head pumps offer a 40% improvement in pump efficiency.

ACETONE

DRIPLESS



- 11.4 Litre / 3 Gallon
- Dripless trigger grip shut-off for no-drip applications with XTREME™ Viton® Seals
- EPDM seals and gaskets to handle high concentration of Acetone
- Funnel top for easy filling
- Pressure release valve

Part No. SPP21127

DRIPLESS SHUT-OFF GUN



Part No. SPP6-8135

- Patented dripless design
- Comfortable trigger grip
- Lock-off feature to avoid accidental discharge
- Internal brass components
- Xtreme seals
- 19 inch dripless extension
- Sprays 30-35% solids
- Wand can be removed and nozzle can be attached to grip with complete dripless function



**Dripless Xtreme Seal Kit
Part No. SPP6-8136**

HYPRO CHEMICAL EDUCATOR



- The Cleanload is a self-contained education system which allows the operator to mix liquid and dry chemicals safely and quickly
- All crop protection chemistry is mixed at ground level, ensuring the safety of both the operator and the environment
- 316 stainless steel venturi provides the highest education rate, as fast as one gallon per second, and durability against all chemicals
- Available in a range of hopper capacities suited to your application:
 - » 4.5 gallon versions provide convenient loading capabilities in a compact configuration
 - » 5.5 gallon versions are the most compact full-feature models and will hold a full 20-35 pound bag of dry material
 - » 7.0 gallon versions feature a wider 16-inch lid, hold a full 51 pound bag of dry material, and can be used to rinse large 20-liter (5.2 gal) jugs
- Equipped with tank rinse, designed to completely wash the cleanload hopper
- Ideal for nurse tank applications when floor mounted, using optional base frame bracket (part #3430-0596)
- ProClean™ bottle rinse allows operator to triple rinse chemical containers on-site (05T5 and 05T7 models only)
- Educator inlet and outlet ports are flynut-ready, offering a wrench-free connection of hoses for easy installation and servicing 3375P-05T5 only
- Optional suction lance (part #3430-0594) allows the operator to educt bulk liquid and dry chemicals (wetable powders, dry flowables and water-dispersible granules) from large containers without secondary handling.

No.	Gallons
SPP3375P-05T4	4.5
SPP3375P-05T5	5.5
SPW3376-1171	7

Nozzle, ProClean Container Rinse
Part No. SPPPC1/2F-36075

No.	Nozzle	Orientation	Description
SPP3371-0040R	16	Right Hand	Eductor Only



ProClean™ II Valve Assembly
 Pentair Hypro ProClean Nozzles and Valve
Part No. SPP3400-0174

BANJO MANIFOLD INDUCTOR SYSTEM

* Tank Not Included



- Draws wettable powders or liquids from inductor tank for thorough chemical mixing
- Installed after pump; suction completely empties inductor tank
- Keeps tank free of chemicals
- 2" & 3" full port flow
- Easy assembly/installation with manifold connections

No.	Description
SPPMIS220	2" Full Port Flange x Flange-Assembled
SPPMIS300	3" Flange x Flange-Assembled

HANDLER III

With its larger tank it is perfect for handling everything from dry flowables, to 10L and 20L containers, to bulk containers. Water is simply pumped to the inlet of the H33 which provides the flow to agitate and fill the tank, empty and rinse containers, power the dual inlet venturi, rinse the tank, and of course transfer water to your sprayer tank. The Handler exclusive dual inlet venturi comes plumbed to draw from your choice of the Handler tank or your bulk containers, directly into your sprayer fill line.

The full 3" bypass line on the H33 is designed to handle the rigors of any pump with capacities of up to 280 GPM (1060 LPM) without concern for pressure. Banjo's sweep elbows are used to eliminate as much line turbulence as possible. To ensure this larger tank size can be thoroughly cleaned, all H3 models incorporate the Rotacraft tank cleaning nozzle.

FEATURES & BENEFITS

- Full 10L/20L container emptying and rinsing capabilities
- Dual-inlet venturi and bulk draw capabilities
- Durable 3" bypass for flows up to 280 GPM (1060 LPM)
- Comes with the original Handler Knife

SPECIFICATIONS

- 70 US gallons/275L
- 3" Camlock connections
- 16" Hinged & lockable lid
- 2" Dual-inlet venturi
- Rotacraft tank rinsing nozzle



HANDLER III

No.	Description	Inches			Meters			Weight	
		L	W	H	L	W	H	LBS	KG
SPW30842	Handler III - 3"	42	44	44	1.1	1.1	1.1	180	82

HANDLER VENTURI COMPONENTS



2 INCH FLANGED DUAL INLET VENTURI
Part No. SPP85-HV200X2FLA

HANDLER IV

The H43P65V comes complete with a total drainage tank, Banjo 3" pump, a dual inlet venturi for bulk chemical induction, twin agitation lines, two 16" hinged lids (one with the Handler Knife and one without), container and tank rinsing nozzles, a 4-way forkliftable steel frame, and a pump containment tray. Using closed loop recirculation through the exclusive dual inlet venturi, this model is able to induct bulk chemical into the Handler tank without your sprayer needing to be there! Whether it is high volumes of liquid pesticides or large amounts of dry flowables needing to be agitated, a Handler IV can do it all before your sprayer is back to be filled.

Dry AMS (ammonium sulfate) users may be interested in even more agitation. The similar model H43P65 replaces the venturi with a second 2" full port agitation line and provides agitation strong enough to dissolve even AMS that is not spray-grade.

FEATURES & BENEFITS

- Twin agitation lines
- Comes with The Handler Knife
- Closed loop recirculation and agitation
- Full 10L/20L container emptying and rinsing capabilities

SPECIFICATIONS

- 230 US gal/870L
- 3" camlock connections
- Two x 16" hinged and lockable lid
- 2" dual port venturi
- Rotacraft tank rinsing nozzle
- 3" Banjo/GX200 Honda



HANDLER IV

No.	Description	Inches			Meters			Weight	
		L	W	H	L	W	H	LBS	KG
SPW30848	Handler IV - 3" with 3" Pump	72	47	50	1.8	1.2	1.3	525	238

CHEMBINE CHEMICAL MIXER



This new product by Free Form Plastics, with several Patent Pending designs, is a cutting-edge way of mixing and blending chemicals for your agricultural needs. The CHEMBINE incorporates all the features of a typical chemical mixer plus adds some user-friendly features while dramatically improving in the following areas:

- New and innovative knife block design provides a more efficiently shaped cut requiring less effort, faster & more complete drainage/ rinsing as well as easier removal of the jugs
- Increased agitation with the use of 4 vertically molded ribs in the tank combined with our unique vortex cycling water jet eductor system
- Easy rinse and drain process with the bottom drain valve, all interior surfaces sloped to the drain and a rotary rinse system with 1" lines
- Improved ergonomics with the commonly used valves raised and a molded stop for the hinged lid to rest on Improved stability with the stand incorporated into the poly tank and the addition of large feet with mounting holes Improved visibility with all hoses having clear sidewalls

The CHEMBINE custom molded poly mixer tank has a capacity of 75 US gallons (62.5 Imperial) and offers a faster jug drain time, superior knife cutting block for more complete drainage, quicker rinse times and the latest agitation engineering to offer superior mixing for both wet and dry chemicals. This Free Form Plastics poly mixer tank is custom designed with a 10 degree cone bottom angle for complete drainage plus vastly improves performance when using dry chemicals (this feature also offers a lower, more stable profile, allowing a lower fill height). A micro-valve, complete with nipple, is installed at the lowest point in the tank to allow for easy and complete drainage of the unit.



When designing the tank cradle, where the tank sits onto the powder-coated metal frame, a gentle slope was incorporated so material does not get caught on a ledge, which can be an inconvenience with some competitors' models. The light green colour is well suited to give customers a good view of the tank liquid level. An optional quick attach metal "pump frame" is available for models purchased without the pump. The CHEMBINE utilizes the Banjo threadless plumbing system. Designed and manufactured in St. Brieux, SK, Canada (Free Form Plastics is a Division of Bourgault Industries Ltd).

No.	Size	Description
FFM26003-83	2"	CHEMBINE - Complete mixing unit w/o engine, pump, recirculation kit
FFM26003-85	2"	CHEMBINE - Complete, 5.5 HP Honda/Banjo WET SEAL pump/mounting/recirculation kit
FFM26002-42	3"	CHEMBINE - Complete mixing unit w/o engine, pump, recirculation kit
FFM26002-58	3"	CHEMBINE - Complete, 6.5 HP Honda/Banjo WET SEAL pump/mounting/recirculation kit
FFM26004-61	3"	CHEMBINE - Complete, 13 HP ES Honda/Banjo WET SEAL pump/mounting/recirculation kit

No.	Description
FFM26003-27	Tank Batching System - 4 Eductor Nozzles, Antivortex, Vented, Rotary Rinse, Valves
FFM26003-69	Chembine To Hot-Tank System Plumbing (c/w 40' Of 3" Hose, Valves, Camlocks)

STANDARD EQUIPMENT



ROTARY RINSE
Easy rinse and drain process with The bottom drain valve, all interior surfaces sloped to the drain and a rotary rinse system with 1 inch lines.



MIXING
Two agitator jets stir the fluid while the four vertical ribs disrupt the flow increasing the rate of mixing and virtually eliminating the chances of undissolved particles.



SECURED HINGED TANK LID
Has a raised stop to rest on when open. This raised stop feature molded into the tank reduces reach and effort required to open and close the lid.



MOUNTING
The frame legs have large feet with pre-drilled holes to allow easy and secure fastening. The tank is vertically ribbed so that the legs cradle into the tank to give superior agitation plus stability when opening and closing the lid.

HYPRO EXPRESS BOOM FITTINGS



Pipe Mounting

Type	Inches	MM
A	1.181	30
B	2.047	52



EXPRESS UNIVERSAL FLANGE WET BOOM FITTINGS



Express Fitting x 1" Universal Flange Straight
Part No. SPP7433-2502

(2) Express Fitting x 1" Universal Flange Tee
Part No. SPP7433-2503



EXPRESS HOSE BARB WET BOOM FITTINGS



Express Fitting x 1" Hose Barb Straight
Part No. SPP7433-2608

Express Fitting x 1" Hose Barb Elbow
Part No. SPP7433-2610



EXPRESS NOZZLE BODY END CAP



1" Express fitting with nozzle body end cap that allows trapped air to escape through the nozzle body. Comes with cleanout.

No.	Type
SPP7433-3314	High Flow

BOOM END NOZZLE SYSTEMS



ELECTRICALLY CONTROLLED END NOZZLE

- 12 volt solenoid valve
- Low .85 amps at 12 volt, only small gauge wire required.
- Valve is normally closed
- Viton seals & o-rings • Max. 125 PSI
- Nylon swivel with twist lock nozzle body

No.	FPT
SPP6277	3/4"
SPP6278	1"
As Above Less Swivel	
SPP3752	3/4"
SPP3753	1"



MANUAL CONTROLLED END NOZZLE

- Diaphragm check valve with swivel
- Twist Lock cap
- EPDM O-ring seal
- Cap accepts all standard off-centre tips
- Max. 125 PSI

No.	FPT
SPP6279	3/4"

WILGER QUICK-NUT (QN100) SST FITTINGS

HOSE SHANK & THREADED TEE FITTINGS

Minimized pressure drop with sweep 45, 90, & tee fittings



No.	Description
SPP25169-00	1-1/4 Shank x 1" x 1" SST Tee
SPP25172-00	1-1/4 x 1" x 1" Joint Tee ADP
SPP25161-01	1 x 1-1/4 SST Shank 90°
SPP25162-01	1 x 1-1/4 SST Shank 45°

QUICK NUT SST CONNECTIONS & COMPONENTS



Easy assembly and disassembly without tools
QN100 thread is compatible with 1-1/4" NPT



No.	Description
SPP41591-00	Boom Mt Clamp 1.315" OD Tube
SPP25171-00	Adapter 1.315" Tube x 1-1/4" NPT
SPP25160-03	1" SST Nut
SPP25163-01	1" SST Plug
SPP25164-01	Adapter
SPP25160-02	O-Ring Buna #219

COMPACT HANDLE & BOOM END FLUSH VALVES & ADAPTERS

Compact valve for flushing boom sections
Replacement & Retrofit Handles Available



No.	Description
SPP25175-VO	1 1/4" QN Boom End Valve
SPP25176-VO	1" QN Boom End Valve
SPP25137-00	Adapter-Boom End Flush Valve
SPP25175-10	Boom End outlet Cap
SPP25175-13	Boom Flush Valve Handle

Longer handled BEFV are available.
Handles can retrofit onto existing flush valves.



No.	Description
SPP25175-LV0	Long Handle
SPP25176-LV0	Boom Flush Valve 1" NPT
SPP41402-LV0	TWS (CNH) Boom End

TUTHILL FLOW METER



Part No. WSETT10PN

Accurate within 1%, the Tuthill TT10PN In-line Digital Turbine Meter sets the standard for accuracy, ease of use and safety. It has factory presets for 18 fluids and more safety approvals than any other meter in its class. Replaceable AA batteries keep your meter running and downtime to a minimum. A rubber boot helps protect the meter and electronics from impact damage.

- 2 - 35 GPM / 8 - 132 LPM
- Engineered polymer
- 1" FPT
- Operating pressure: 50 psi
- Temp range 0°F to 130°F / -18°C to 54°C
- Dimension: 4w x 2.6d x 2.9h
- Measures ounces, pints, quarts, liters, or gallons
- 2 AA battery power source
- Weight: 9.6 oz.
- Compatible with DEF, anti-freeze, de-icing fluid, non-potable water, and other chemicals

SOTERA FLOW METERS



- 2 - 20 GPM
- One step calibration
- +/-0.2% accuracy
- 360° positioning display
- -10°F - 130°F temperature range
- Waterproof, corrosion-resistant
- Glass-filled Polypropylene housing
- 1" FPT ports
- Two alkaline (AA) batteries included
- The 850 comes with mass air sensor which stops metering when you've finished emptying a container
- 125 PSI Max
- LCD Display
- Fluorocarbon seals

Sotera 825 Series ~ Part No. SPP825-FM

Sotera 850 Series ~ Part No. SPP850-FM

SHURFLO FLOW METERS



- Max. flow of 20 gpm (.5% after calibration)
- 120 Max PSI
- Accurate nutating disk design
- Large LCD display makes meter reading easy from a distance
- Simple calibration steps and control button layout
- Long-life lithium battery
- Easy-to-service electronics and batteries
- Available in pump-mounted and hose-end configurations

No.	Description
SPPFM-1100	Pump-mounted meter kit - 1" MPT in & out

BANJO FLOW METERS



FM100

MFM220



- Displays overall total volume & batch total volume
- Flow rate allows for gallons or litres per minute
- Display reads 6 digits for rate, 8 digits for total and 1 decimal place reading in tenths
- Self calibrating
- Easy to change 6 AA batteries
- Glass reinforced polypropylene
- Temperature range from 0°F to 150°F
- 99% accuracy from 2 to 110 GPM for 1" models
- 99% accuracy from 30 to 300 GPM for 2" models

No.	Description
SPPMFM100	1" Full Port Manifold
SPPMFM220	2" Full Port Manifold
SPPMFM300	3" Full Port Manifold

HORIZONTAL SPRAYER TANKS - EQUINOX



- U/V Stabilized Poly
- Moulded in Gallons/Litre indicator
- Recessed sump
- Max. Temp. 140°
- Fittings:
10 Gal. - 3/4"

No.	Imp Gals	US Gals	Dia.	Lid	Length
SPP7697	10	12	16"	6"	19"

HORIZONTAL FREE STANDING TANKS - EQUINOX



- Round tanks with moulded in supporting legs for free standing use.
- Moulded in Gallon/Litre Indicator
- U/V Stabilized Poly
- Max. Temp. 140°
- Screw on lid:
100 Gal. - 8"
- Fittings: 100 Gal. - 1/4"

No.	Imp Gals	US Gals	Diameter	Length
SPP7721	50	60	23"	37"
SPP7718	100	120	29"	45"

SMALL VOLUME VERTICAL TANKS - EQUINOX



No.	Imp Gals	US Gals	Dia.	Length
SPPE-25W	25	30	19¼"	19¼"
SPPE-50W*	50	60	24¼"	37¼"
SPPE-75W*	75	90	23"	47½"
SPPE-100W*	100	120	28½"	66"

* 8" Lid available - Add "-L"

MIX-N-FILL TANKS



- Vented lid and drain fitting included.
- Molded-in volume indicators and tie-downs.

No.	Imp Gals	US Gals	Diameter	Length
SPP7764	26	31	20"	29"

VERTICAL STORAGE TANKS

Vertical storage tanks are most frequently used for bulk storage and mobile nursing applications. Norwesco vertical tanks feature tie-down slots, built-in graduated gallon indicators, an offset fill-opening and a self-vented, slosh-proof lid.



No.	Imperial Gallons	Litres	Fitting Size	Diameter	Overall Height	Manway	Weight
SPP41135	160	725	No Ftg	29.5"	71"	8"	60 lbs.
SPP43201	200	909	No Ftg	29.5"	91"	8"	70 lbs.
SPP41057	315	1,430	No Ftg	35"	99"	16"	120 lbs.
SPP41061	500	2,270	No Ftg	48"	84"	16"	150 lbs.
SPP41065	750	3,405	No Ftg	48"	116"	16"	190 lbs.
SPP41067	800	3,632	No Ftg	61"	83"	16"	180 lbs.
SPP41069	900	4,155	No Ftg	48"	148"	16"	250 lbs.
SPP44162	1000	4,540	2"	72"	78"	16"	250 lbs.
SPP41219	1250 Water	5,675	2"	87"	66"	16"	190 lbs.
SPP41221	1250 Premium	5,675	2"	87"	66"	16"	215 lbs.
SPP41931	1750 PW	7,955	2"	87"	89"	16"	300 lbs.
SPP41258	2100 PW	9,450	2"	95"	92"	16"	375 lbs.
SPP41971	5000 PW	22,730	3"	120"	140"	16"	1120 lbs.

*Built-in Lifting Lugs WO=Water Only PW=Premium Weight BL=Black HD=Heavy Duty
Tank dimensions and capacities may vary slightly and are subject to change without notice.

BLACK VERTICAL WATER TANKS

Norwesco water tanks are manufactured using resins that meet FDA specifications to ensure safe storage of potable water. The black color limits light penetration, which reduces the growth of waterborne algae. These tanks are rated at 10 pounds per Imperial gallon, which means that they are for WATER STORAGE ONLY! They should not be used for chemicals, fertilizers or any other product.



No.	Imperial Gallons	Litres	Diameter	Overall Height	Fill Opening	Top Fitting	Bottom Fitting	Weight
SPP44519	1000	4540	72"	78"	16"	1.5"	2"	200 lbs.
SPP44524	5000	22,730	120"	140"	16"	1.5"	3"	-

HORIZONTAL LEG TANKS

Horizontal leg water tanks feature built-in, graduated gallon indicators and slosh-proof lids. An installed bulkhead fitting is standard in the horizontal tanks.



No.	Imperial Gallons	Litres	Fitting Size	Length	Width	Overall Height	Manway	Weight
SPP41092	40	178	No Ftg	42"	20"	23"	5"	20 lbs.
SPP41939	55	245	3/4"	43"	23"	25"	5"	26 lbs.
SPP41183	80	356	No Ftg	59"	23"	26"	5"	45 lbs.
SPP41941	100	445	2"	41"	32"	34"	8"	50 lbs.
SPP41094	125	556	2"	59"	30"	32"	8"	60 lbs.
SPP41943	200	890	2"	55"	38"	40"	8"	75 lbs.
SPP41430	300	1335	2" HD w/siphon	78"	41"	43"	16" & 5"	105 lbs.
SPP41229	425	510	2" HD w/siphon	71"	49"	53"	16"	135 lbs.
SPP41393	500	2225	2" HD w/siphon	83"	49"	53"	16" & 5"	150 lbs.

Notes

- Tanks between 500-1000 gallons: Can be ordered into WP warehouses but the dealer is responsible for the freight.
- Tanks over 1000 gallons: Direct ship to dealer from manufacturer only, dealer is responsible for the freight

Call for information if part numbers are not listed (-)



FLAT BOTTOM TANKS

Flat Bottom Tanks are designed to be the most rugged and durable utility transport tanks on the market. Unlike other tanks, Flat Bottom Tanks provide all the strength you need for transporting liquids without the use of bands. Tanks should be mounted on flat surfaces with full length and width support.



No.	Imperial Gallons	Litres	Fitting Size	Length	Width	Overall Height	Manway	Weight
SPP43157	1350	6008	2"	126"	80"	53"	16"	515 lbs.
SPP44427	2650	10,031	3"	151"	92"	80"	16"	1015 lbs.
SPP44429	2650 HD	11,800	3"	151"	92"	80"	16"	1170 lbs.
SPP45272	3500	13,248	3"	180"	96"	85"	16"	1420 lbs.
SPP45274	3500 HD	15,596	3"	180"	96"	85"	16"	1625 lbs.

FLAT BOTTOM UTILITY TANKS

The Flat Bottom Utility tanks are all purpose tanks used for a variety of applications. They are the perfect choice when looking for a tank to put in the bed of a pickup truck. They are often used in agricultural, industrial, manufacturing, auto detailing and liquid transportation industries for storage of water, wastewater, fertilizer and chemicals.



No.	Imperial Gallons	Litres	Fitting Size	Length	Width	Overall Height	Manway	Weight
SPP45312	37	165	No Ftg	37.5"	18"	19"	5"	22 lbs.
SPP45313	43	195	1"	43"	24"	17"	5"	30 lbs.
SPP45315	91	405	1"	48"	35"	18"	5"	60 lbs.

LOW PROFILE HOLDING TANKS

The low profile tanks may be used for storage or transport. They are an excellent choice when height limitations are a factor and are the perfect height for putting under your cottage or cabin.



No.	Imperial Gallons	Litres	Fitting Size	Length	Width	Overall Height	Manway	Weight
SPP41188	160 Water	712	N/A	80"	46"	15"	8"	75 lbs.
SPP45316	165 Water	735	N/A	60"	48"	20"	8"	80 lbs.
SPP41189	230 Water	1,023	N/A	80"	46"	20"	8"	100 lbs.
SPP44332	250	1,114	No Ftg	62.5"	41.5"	28.5"	8"	98 lbs.
SPP45317	250	1,114	No Ftg	95"	56"	16"	8"	115 lbs.
SPP43123	500 Water	2,225	2"	98"	72"	28.5"	16"	190 lbs.
SPP42890	1075 Water	4,783	2"	131"	84"	36"	16"	350 lbs.
SPP42891	1325 Water	5,896	2"	131"	84"	42"	16"	460 lbs.
SPP44335	2100 Water	9,350	2"	157"	90"	51"	16"	750 lbs.
SPP44336	2100 BL	9,463	2"	157"	90"	51"	16"	750 lbs.

PICKUP TRUCK TANKS

Designed to fit in the bed of full-size pickups as well as under a truck canopy, the 270 and 350 sizes have low profiles for better rear vision. They feature fill openings to set to the side of the tank for safety and easy access. A tough circular design adds strength. The 185 gallon tank fits both the "mini" pickups and full-sized models. Depending upon which way the tank is turned, the bottom width can be either 39" or 48". Our pickup truck tanks feature built-in, graduated gallon indicators and slosh-proof lids.



No.	Imperial Gallons	Litres	Fitting Size	Length	Width	Overall Height	Manway	Weight
SPP41213	185	823	2"	60"	48"	28"	8"	55 lbs.
SPP40693	270	1,201	2"	62"	49"	32"	8"	80 lbs.
SPP41227	350	1,557	2"	65"	49"	37"	8"	95 lbs.

Notes

- Tanks between 500-1000 gallons: Can be ordered into WP warehouses but the dealer is responsible for the freight.
- Tanks over 1000 gallons: Direct ship to dealer from manufacturer only, dealer is responsible for the freight



INDOOR FREESTANDING POTABLE WATER TANKS

These tanks have been specially designed with residential and commercial applications in mind. The dimensions of the water tanks allow them to fit through a conventional doorway. The 230 and 350 come standard with a steel support frame. The design of the 330 and 500 imperial gallon tanks allows them to be freestanding/self-supporting and eliminates the need for a steel support frame.



No.	Imperial Gallons	Litres	Fitting Size	Length	Width	Overall Height	Manway	Weight
SPP41205	115	512	No Fitting	24"	24"	68"	16"	60 lbs.
SPP41241	330	1468	1 1/4"	63"	29"	68"	16"	175 lbs.

APPLICATOR TANKS

Whether you're looking for a new or replacement tank, you'll find it in the Norwesco line. All Norwesco applicator tanks feature a lid which threads directly into the fill-opening of the tank to prevent the sloshing or leaking of tank contents during transport or application.



No.	Imperial Gallons	Litres	Fitting Size	Length	Diameter	Overall Height	Manway	Weight
SPP40135	300	1363	1 1/4"	68"	38"	41"	8"	86 lbs.

SPECIALTY WATER TRANSPORT TANKS

These tanks can be used for many applications. Used primarily for transport, they can also be used as stationary water storage tanks.



No.	Imperial Gallons	Litres	Fitting Size	Length	Width	Overall Height	Manway	Weight
SPP41123	90	400	No Ftg	47"	23"	28"	5"	50 lbs.
SPP41124	180	800	No Ftg	58"	29"	35"	5"	90 lbs.
SPP40993	730	3248	2" HD w/ siphon	93"	55"	59"	16"	260 lbs.
SPP42374	950	4227	2" HD w/ siphon	103"	74"	47"	16"	250 lbs.
SPP42373	950 BL	4227	2" HD w/ siphon	103"	74"	47"	16"	250 lbs.

LOW PROFILE SEPTIC TANKS

Norwesco Low Profile septic tanks are molded in one piece, requiring no additional assembly, reducing installation time and effort.

Other features include:

- Rotationally molded rugged, one-piece tank with no seams to leak.
- No assembly required, reducing installation time and effort.
- No special backfill or water filling required during installation.
- May be pumped dry during pump-outs.
- May be installed with 6" to 36" of cover.
- Suitable for use as a septic tank or pump tank and may also be used for non-potable water.
- Access openings and lids accept Norwesco low profile manhole extensions, double-wall corrugated pipe and ribbed PVC pipe.
- Tanks are available with PVC tees and gaskets supplied loose or with installed PVC tees and septic adapters.
- Double compartment = 2/3 – 1/3



No.	Imperial Gallons	Dimensions (LxWxH)	Fill Opening	Compartments
SPP44947	830	127" x 60" x 51"	2 - 20"	1

Notes

- Tanks between 500-1000 gallons: Can be ordered into WP warehouses but the dealer is responsible for the freight.
- Tanks over 1000 gallons: Direct ship to dealer from manufacturer only, dealer is responsible for the freight

Call for information if part numbers are not listed (-)

1-888-937-7278



BULKHEAD FITTINGS

- External thread and nut are left hand threads.
- Internal thread is FPT. For use with tanks having a wall thickness of 1/16" to 1/2".

No.	FPT	Washer
SPPTF12P-E	1/2"	EPDM
SPPTF34P-E	3/4"	EPDM
SPPTF100P-E	1"	EPDM
SPPTF125P-E	1 1/4"	EPDM
SPPTF150P-E	1 1/2"	EPDM
SPPTF200P-E	2"	EPDM
SPPTF300P-E	3"	EPDM

POLY BULKHEAD FITTINGS



No.	FPT
SPP43386	1/2"
SPP43391	1"



No.	FPT
SPP43393	1 1/4"
SPP43395	1 1/2"
SPP43397	2"



BANJO POLYPROPYLENE BOLTED TANK FLANGE

No.	Flange FPT	Gasket Type
SPPBF075	3/4" x 1"	EPDM
SPPBF100	1" x 1"	EPDM
SPPBF150	1 1/2" x 2"	EPDM
SPPBF200	2" x 2"	EPDM
SPPBF200V	2" x 2"	FKM
SPPBF220	2" x 2"	EPDM
SPPBF300	3" x 3"	EPDM

BOLTED TANK FLANGE GASKETS

No.	Description
SPPBF100GE	1" EPDM
SPPBF200GE	1 1/2" & 2" EPDM
SPPBF200GV	1 1/2" & 2" FKM
SPPBF220GE	2" EPDM
SPPBF220GV	2" FKM
SPPBF300GE	3" EPDM
SPPBF300GV	3" FKM

BANJO POLY BOTTOM BOLTED TANK FITTING



- No sediment build up
- Stainless steel bolts
- Allows 100% rinse free
- Helps avoid herbicide cross contamination
- Glass reinforced poly
- EPDM gasket (Viton available)

No.	Flat Surface Required	FPT Ports In x Out
SPPBF075BD	3" x 3"	3/4" x 3/4"
SPPBF100BD	3" x 3"	1" x 1"
SPPBF150BD	3 1/2" x 3 1/2"	2" x 1 1/2"
SPPBF200BD	3 3/4" x 3 3/4"	2" x 2"
SPPBF220BD		
SPPBF300BD	5 1/2" x 5 1/2"	3" x 3"

BOLTED TANK FLANGE GASKETS

No.	Mfr. No.	Size
SPP76402	BF100GRE	3/4", 1" & 1 1/4"
SPPBF100GRV	BF100GRV	3/4", 1" & 1 1/4"



BANJO ANTI VORTEX TANK FLANGE

- EPDM gasket
- Viton available

No.	FPT	Tank Hole Size
SPPTF100AV	1"	2 1/4"
SPPTF150AV	1 1/2"	3"



POLY TANK FITTINGS

With EPDM Gasket

- Left hand threaded locknut prevents loosening when installing fittings.
- 3/4" to 1 1/2" back taped to install fittings both sides

No.	FPT	Tank Hole Size
SPP3114	1/2"	1 5/8"
SPP3115	3/4"	1 3/8"
SPP3116	1"	2"
SPP3117	1 1/4"	2 5/8"
SPP3118	1 1/2"	2 3/8"
SPP3119	2"	3 1/8"
SPP3121	3"	4 1/2"
SPP3122	4"	5 1/2"

Replacement Gaskets

SPP2961	1/2" & 3/4"
SPP2964	1", 1 1/4" & 1 1/2"
SPP2965	2"
SPP2966	3"
SPP2969	4"

BANJO 316 STAINLESS STEEL TANK FITTINGS



- Double sided threads
- EPDM gaskets, Viton available

No.	FPT	Tank Hole Size
SPPTF075SS	3/4"	1 1/8"
SPPTF100SS	1"	2 1/4"
SPPTF125SS	1 1/4"	2 1/4"
SPPTF150SS	1 1/2"	3"
SPPTF200SS	2"	3"
SPPTF220SS	2"	3 1/4"
SPPTF300SS	3"	4 3/4"



BANJO POLYPROPYLENE TANK FITTINGS

- Double sided threads
- EPDM gaskets, Viton available

No.	FPT	Tank Hole Size
SPPTF050	1/2"	1 1/2"
SPPTF075	3/4"	1 3/8"
SPPTF100	1"	2 1/4"
SPPTF125	1 1/4"	2 1/4"
SPPTF150	1 1/2"	3"
SPPTF200	2"	3"
SPPTF220	2"	3 1/4"
SPPTF300	3"	4 1/2"
SPPTF400	4"	5 3/4"



POLY BULKHEAD TANK FITTING WITH FKM GASKET

FKM gasket. Double sided female NPT threads. Maximum operating pressure 300 psi

No.	Size
SPPTF075V	3/4"
SPPTF100V	1"
SPPTF150V	1-1/2"
SPPTF200V	2"



EPDM GASKET

EPDM gasket. Double sided female NPT threads.

No.	Size	Tank Hole Size
SPPTF220G	2"	3 1/4"
SPPTF300G	3"	-
SPPTF400G	4"	-



EPDM GASKET

1 1/2" & 2" Full EPDM Gasket For Bolted Tank Flange

No.	FPT
SPPBF200GE	1 1/2"

SPEARS PVC TANK FITTINGS

(Soc x SRFPT)

- Stainless steel reinforced outlet
- Neoprene gasket



No.	Soc x SRFPT	Tank Hole Size
SPP8171-002SR	1/4" x 1/4"	1 1/16"
SPP8171-003SR	3/8" x 3/8"	1 3/16"
SPP8171-005SR	1/2" x 1/2"	1 7/16"
SPP8171-007SR	3/4" x 3/4"	1 5/8"
SPP8171-010SR	1" x 1"	2"
SPP8171-012SR	1 1/4" x 1 1/4"	2 5/16"
SPP8171-015SR	1 1/2" x 1 1/2"	2 11/16"
SPP8171-020SR	2" x 2"	3 1/4"
SPP8171-025SR	2 1/2" x 2 1/2"	3 13/16"
SPP8171-030SR	3" x 3"	4 9/16"
SPP8171-040SR	4" x 4"	5 1/2"

SPEARS PVC TANK FITTINGS

(FPT x SRFPT)

- Stainless steel reinforced outlet
- Neoprene gasket



No.	FPT x SRFPT	Tank Hole Size
SPP8172-002SR	1/4" x 1/4"	1 1/16"
SPP8172-003SR	3/8" x 3/8"	1 3/16"
SPP8172-005SR	1/2" x 1/2"	1 7/16"
SPP8172-007SR	3/4" x 3/4"	1 5/8"
SPP8172-010SR	1" x 1"	2"

NORWESCO BULKHEAD FITTINGS



No.	Description	Hole Size Required in Tank for Installation	Item
SPP62834	1/2" double threaded polypropylene fitting	1 7/16"	A
SPP60401	3/4" Double threaded polypropylene fitting	1 7/16"	A
SPP60427	1" Double threaded polypropylene fitting	2 1/4"	A
SPP60405	2" Double threaded polypropylene fitting	3"	A
SPP63683	2" Heavy duty double threaded heavy duty polypropylene fitting	3 1/4"	B

NORWESCO POLYPROPYLENE DOUBLE THREADED BOLTED FITTINGS

Bolted polypropylene fittings are equipped with 316 stainless steel bolts and come standard with EPDM gaskets. Viton gaskets are available as an option for the fittings.



No.	Description
SPP60502	3/4" Polypropylene double threaded bolted fitting ith ss bolts and EPDM gaskets



TANK TIE DOWN WEBBING

- 2" wide

Part No. SPF5133207



TANK TIE DOWN HARDWARE

- Four each required per tank.

Part No. SPF5108041

POLY TANK LIDS & ACCESSORIES



- 2" Buttress
- 2" MPT
- Santoprene Gasket

No.	Buttress	MPT	Port
SPPTA283	2"	2"	1½"



- 2" Buttress
- 2" Camlock
- Santoprene Gasket

No.	Port
SPPTA283QD	1½"



ARAG TANK OVERTURNING LID 180°

- Float vent valve
- Overturning lid 180° with fixing ring to the tank.
- Seal on the lid as standard.
- Ring gasket which must be ordered separately.
- Bayonet blocking system on six points for perfect lockup.
- 180° overturn to prevent stress on lid and tank.
- Possibility to mount the basket filter series made of plastic or steel of our production

No.	Connection	Size
SPP356060	Flat Surface	16"



- 6.5" IBC Solid Tank Lids (No vent)

No.	Gasket
SPPTL650S	Santoprene



- 6" Vented Lid for sprayer tanks
- Spring Loaded Vent

No.	Description
SPPTL600C	Spring Loaded Vent



- Vented & Non-Vented bung plugs

No.	Description
SPP200MPT	2" MPT x 3/4" FPT



- 6.5" IBC with Unvented 2" Plug

No.	Gasket
SPPTL651S	Santoprene
SPPTL651E	EPDM



- 6.5" IBC with Vented 2" Plug

No.	Gasket
SPPTL652S	Santoprene
SPPTL652E	EPDM



- 10" & 16" Vented Tank Lids & Non Vented Lids

No.	Description
SPPTL101	10" Non-Vented Lid

NORWESCO HIGH DENSITY POLYETHYLENE TANK LIDS

No.	Description
SPP63264	5" Lid with 2" FPT (vent cap not included)
SPP63484	5" Lid w/air vent/gasket
SPP60011	16" Lid/ring w 4" air vent
SPP64009	16" Lid w/ring w/blue vent

ANTI VORTEX VENT CAP



- Prevents swirl in bottom of tank
- Available with 304 SS Screen

No.	MPT	Screen
SPPVC230	2"	12 Mesh
SPPVC300	3"	No screen
SPPVC330	3"	10 Mesh



HINGED TANK LIDS

C/W FLAT SURFACE MOUNTING RING
SIDE MOUNTING RING AVAILABLE ON SPECIAL ORDER

- 180° degree hinged lid complete with flat surface mounting ring
- Floating ball vent valve prevents leakage
- Especially suited for hill side spraying
- Gasket seal
- 6 point bayonet locking
- 180° opening prevents strain on tank ring
- Basket type strainer available

No.	Size	Tank Hole	Fill Hole
SPP356060	18"	16"	15"
SPP356060.02	15" Hinged Lid Replacement Tank Rim		

VENTED LIDS

6" VENTED LID W/AIR BREATHER



Used as fill hole and air-breather on 12", 15" & 21" vented lids. Can also be used with tank rim where a 4 1/4" fill opening is suitable.

No.	Size	Tank Hole	Fill Hole
SPP3522000	6"	5"	4 1/4"
SPP350401	6" Tank Rim		
SPP352000.02	6" Lid O-ring		



8" VENTED LID

Equipped with built in air breather. Purchase tank rim separately for complete assembly.

No.	Size	Tank Hole	Fill Hole
SPP3522221	8"	8 5/8"	7 3/4"
SPP3502420	8" Tank Rim		



12", 15" & 21" VENTED LIDS

Includes #6970 filler/vent. Purchase tank rim separately for complete assembly.

No.	Size	Tank Hole	Fill Hole
SPP3522040	12"	12 5/8"	11 3/8"
SPP3522060	15"	16 3/8"	15 3/8"
SPP3522080	21"	22 1/2"	21 1/4"
SPP3502440	12" Tank Rim		
SPP3502460	15" Tank Rim		
SPP350480	21" Tank Rim		

NON-VENTED LIDS

6" CLOSED LID



Can also be used on 12", 15" & 21" lids in place of #6970 if an air breather is not required. Do not attempt to drain a tank without a breather

No.	Size	Tank Hole	Fill Hole
SPP3522100	6"	5"	4 1/4"
SPP350401	6" Tank Rim		
SPP352000.02	6" Replacement Lid O-ring		



8" CLOSED LID

No air breather. Do not attempt to drain a tank without a breather.

Purchase tank rim separately for complete assembly.

No.	Size	Tank Hole	Fill Hole
SPP3522120	8"	8 5/8"	7 3/4"
SPP3502420	8" Tank Rim		



12", 15" & 21" CLOSED LID

No Air Breather. Do not attempt to drain a tank without a breather. Purchase tank rim separately for complete assembly.

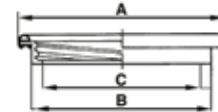
No.	Size	Tank Hole	Fill Hole
SPP3522140	12"	12 5/8"	11 3/8"
SPP3522160	15"	16 3/8"	15 3/8"
SPP3522180	21"	22 1/2"	21 1/4"
SPP3502440	12" Tank Rim		
SPP3502460	15" Tank Rim		
SPP350480	21" Tank Rim		



TANK LID BASKET STRAINERS

For Vented or Closed Lids

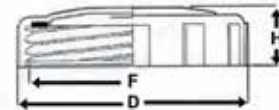
- Polypropylene construction
- 18 Mesh



No.	For Tank Lid Size	Dimensions A	B
SPP300116	8"	7 7/8"	7 7/8"
SPP300120	12"	11 1/8"	11 1/8"
SPP300126	15"	15 1/2"	15"



SCREW ON LIDS
Vented & Non-Vented



No.	Size	F	D	H
SPP354130	4"	4.1"	4.8"	1.30"
SPP354230	4"	4.1"	4.8"	1.30"
SPP3542010	6"	6.0"	6.5"	1.85"
SPP3542110	6"	6.0"	6.5"	1.85"
SPP354120	8"	8.6"	9.4"	2.00"



FLOATING BALL VENT VALVE

- Prevents spilling through vent

No.	Hole Size
SPP504210	2 1/4"



TANK AIR VENT

- Prevents splashing through vent

No.	Hole Size
SPP504203	1 1/4"



BOLTED BULKHEAD

- Flanged outlet
- FPT In-tank connection
- Stainless steel bolts

No.	Port	Flange	
		ID x OD	FPT
SPPMBF100	1"	1" x 2"	1½"
SPPMBF200	1½"	1½" x 3"	2"
SPPMBF300	3"	3" x 4½"	3"



BULKHEAD POLY TANK FITTINGS

*Gasket not included

No.	Size	Hole
SPPMTF220	2" x 2" FP	3¼"
SPPMTF300	3" x 3"	4½"



MANIFOLD POLY BOTTOM DRAIN

*Gasket not included

No.	Size	Hole
SPPMTF220BD	2"	3¼"
SPPMTF300BD	3"	4½"

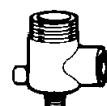


BOLTED BULKHEAD

- FPT In-tank connection
- Elevated bolt spacers
- 100% fully drainable
- Eliminates ring of chemicals around bulkhead tank connection

No.	Port	Flange	
		ID x OD	FPT
SPPMBF100BD	1"	1" x 2"	1½"
SPPMBF200BD	1½"	2" x 3¼"	2"
SPPMBF220BD	2"	2" x 3¼"	2"
SPPMBF300BD	3"	3" x 4½"	3"

SUMP FITTING



- Threads into any 2" bulkhead fitting
- 1¼" FPT pump connection – good for pumps with up to 1½" suction
- 3/4" MPT agitation inlet
- 3/4" FPT agitation outlet
- 1/2" FPT drain

No.	Type
SPP5025P	Poly

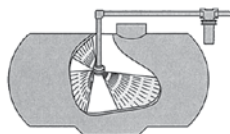
JET AGITATOR

Hypro's new high-volume jet agitator assures thorough mixing in large spraying equipment tanks. This jet agitator Model 3371-0028 can inexpensively increase output flow for agitation up to 5-1/2 times. Three snap-in orifices—1/4", 9/32" and 5/16"—help optimize inlet flows. With 3/4" NPT fittings, the agitator can easily be retrofitted to replace smaller Hypro agitators



Part No. SPP3371-0028

TEEJET TANK RINSING NOZZLES



- Fluid driven rotation
- Mount with head up or down
- 6½" ft - 360° coverage
- Corrosion-resistant teflon
- Mounting connection 3/4" FPT
- Max. 300 PSI

No.	Capacity U.S. GPM			
	PSI 20	30	40	50
SPP27500E-3/4-18-TEF	12.7	15.6	18	20

TEEJET TANK RINSING NOZZLES



- Provides 360° coverage of inside surface of tank for tank diameters up to 10 feet (3.0 m).
- Recommended operating pressure 10–50 PSI (0.7–3.5 bar).
- Mounting connection - 1/29 or 3/49 NPT or BSPT (F).

No.	Capacity U.S. GPM			
	PSI 20	30	40	50
SPP55270-3/4-18-POM	12.7	15.6	18.0	20.0
SPP55270-1/2-11-POM	7.9	9.4	11.0	12.4



TEEJET NYLON CONTAINER RINSING NOZZLES

- 5 ft. Max tank diameter
- 1/2" FPT inlet
- 240° Spray coverage
- 150 PSI Max. • Max Temp. 200°F

No.	Mfg. No.
SPPVSM-1/2-90	VSM-1/2-90
SPP74729	VSM-1/2-44



150 ANSI FLANGES

150 PSI Max

No.	Size
SPPAF100	1"
SPPAF150	1½"
SPPAF200	2"
SPPAF300	3"

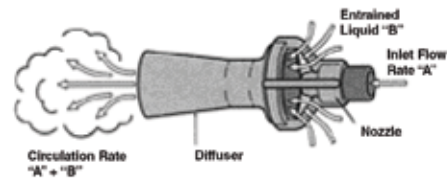


2" MANIFOLD ANSI FLANGE

150 PSI Max

No.	Size
SPPMAF220	2"

TEEJET EDUCATOR NOZZLE



Approximate Flow Rate Performance	Model No.	Inlet Liquid Pressure							
		10 PSI	15 PSI	20 PSI	25 PSI	30 PSI	35 PSI	40 PSI	45 PSI
Inlet Flow Rate "A" (GPM)	Y33180-PP	9	11	12.7	14	16	17	18	20
	Y9270-PP	13.5	17	19	21	23	25	27	30
Entrained Liquid "B" (GPM)	Y33180-PP	36	44	50.6	56	64	68	72	80
	Y9270-PP	54	68	76	84	92	100	108	120
Circulation Rate "A" + "B" (GPM)	Y33180-PP	45	55	63.6	70	80	85	90	100
	Y9270-PP	67.5	85	95	105	115	125	135	150

- Allows small pumps to circulate large volumes of liquid
- Manufactured of glass filled polypropylene for excellent corrosion and chemical resistance
- Large flow opening minimizes plugging

No.	Size
SPPY9270-PP	3/4"



NYLON TANK AGITATOR

Four orifices supplied with each agitator for flows of 7 to 16 GPM at 40 PSI. Install two in larger tanks using a nipple and female tee. Position agitator approx. 2" from bottom of tank.

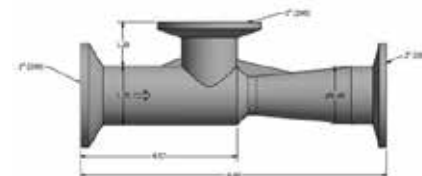
No.
SPP3371-0019



ANSI FLANGE GASKETS

No.	Size
EPDM	
SPPAF100G	1"
SPPAF150G	1½"
SPPAF200G	2"
Viton	
SPPAF100GV	1"
SPPAF300GV	3"

VENTURI 1-1/2" FLANGE



No.	Size
SPP64772	1-1/2"



**TEEJET MODEL AA110
BRASS BODY**

- Removable bonnet
- Stainless steel spring
- Ports: MPT in
FPT out

No.	Ports	PSI
SPPAA110-1/4-300	1/4"	0-300
SPPAA110-3/8-300	3/8"	0-300
SPPAA110-1/4-700	1/4"	300-700
SPPAA110-3/8-700	3/8"	300-700



TEEJET MODEL 23120

- Polypropylene Body
- 1/4" blind port for pressure gauge
- Comes standard with
- EPDM o-ring and stainless steel spring

No.	Ports	PSI
SPP23120-1/2-PP	1/2"	150
SPP23120-3/4-PP	3/4"	150

Same as above with Viton o-ring, 316 SS spring

No.	Ports	PSI
SPP23120A-1/2-PP	1/2"	150
SPP23120A-3/4-PP	3/4"	150



**TEEJET MODEL 6815
BRASS BODY**

- Stainless steel spring
- Pressures available for accurate control of various flows
- Ports: MPT Inlet, FPT Outlet

No.	Ports	PSI
SPP6815-1/2-50	1/2"	50
SPP6815-3/4-50	3/4"	50
SPP6815-1/2-300	1/2"	300
SPP6815-3/4-300	3/4"	300
SPP6815-3/4-HSS-300	3/4"	300
SPP6815-1/2-700	1/2"	700
SPP6815-3/4-700	3/4"	700



**TEEJET MODEL AA110
ALUMINUM BODY**

- Removable bonnet
- Stainless steel spring
- Ports: MPT in
FPT out

No.	Ports	PSI
SPPAA110-1-AL	1"	150
SPPAA110-1-1/2-AL	1-1/2"	150



**TEEJET MODEL 8460
DIAPHRAGM TYPE
PRESSURE RELIEF VALVE**

- Extra large passages to handle large flows
- Not affected by vibration
- Positive lock to hold adjustment screw in place
- Aluminum Bonnet
- Flow rate to 56 GPM 1/2" Ports
- Flow rate to 70 GPM 3/4" Ports

No.	Ports	PSI
Nylon Body / Aluminum Bonnet		
SPP8460-1/2-50	1/2"	50
SPP8460-3/4	3/4"	50
Brass Body / Aluminum Bonnet		
SPP9840-1/2-300	1/2"	300
SPP9840-3/4-300	3/4"	300

- Replacement Part - valve **SPP8460-1/2**



**TEEJET TYPE 23520
THROTTLING VALVE**

- Polypropylene body
- Excellent chemical resistance
- Max. 150 PSI
- Max. 100°F
- Ports: In - MPT, Out - FPT

No.	Ports
SPP23520-1/2-PP	1/2"
SPP23520-3/4-PP	3/4"



**TEEJET MODEL 110
BRASS BODY**

- Removable bonnet
- Stainless steel spring
- Ports: MPT in
FPT out

Mfg. No.	Ports	PSI
SPPAA110-1	1"	150



**NYLON PRESSURE
REGULATOR VALVE**

Mfg. No.	Ports	PSI
SPP13895-7	3/4"	250

MANUAL CONTROL VALVE

- Wetted parts are poly or stainless steel
- Max. 150 PSI
- 12.5 GPM at 5 PSI pressure drop
- 1/4" FPT gauge port
- Use hex nipples to combine for multiple boom control

No.	Inlet FPT	Boom FPT
SPPAA6B	3/4"	1/2"



TEEJET "T" VALVE

- Raise lever to open, lower to close
- Tee valve remains closed during boom selection
- Aluminum, stainless steel & plastic construction
- Max. 300 PSI
- Complete control of any three section



No.	Inlet FPT	Boom Con. FPT	Bypass FPT
SPPAA17L	3/4"	1/2"	3/4"
SPPAA17Y	1"	3/4"	3/4"

TEEJET DIRECTOVALVE 144A



- Replaces 144 & 144H Models
- For pressure up to 100 PSI
- 10 GPM flow with only 5 PSI pressure drop
- 2.5 amp current draw
- Polypropylene body
- Fabric reinforced diaphragms
- EPDM Diaphragm Standard - Viton available

Repair Parts #144A	
SPPPK-AB144A-1-VI-KIT (Viton)	
SPPPK-AB144A-1-KIT	
SPPCP15163-NYB	Coil 144A
Repair Kits for Older 144 & 144H	
SPPPK-AB144-1-KIT	Kit (EPDM)
SPPPK-AB144-1-VI-KIT	Kit (Viton)

No.	Inlet	Outlet
SPPAA144A-1	3/4"	1/2"
SPPAA144A-2	3/4"	1/2"
SPPAA144A-3	3/4"	1/2"

TEEJET DIRECTOVALVE 144P



- Internal parts are made from 430 Stainless steel for excellent corrosion resistance
- Solenoid requires no adjustment
- Extruded aluminum mounting slots fits 6mm hex bolt

No.	Inlet	Outlet
SPPAA144P-1	3/4"	1/2"
SPPAA144P-3	3/4"	1/2"
Repair Parts for 144P Valves		
SPPPK-AB144P-1-KIT		

TEEJET DIRECTOVALVE 145P

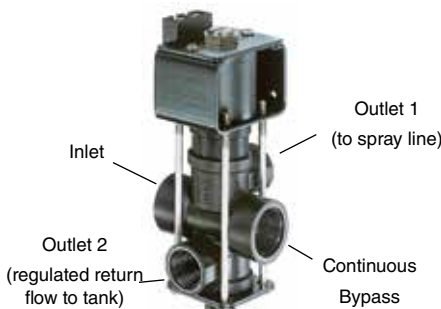


145H Control Valves

- For pressure to 100 PSI; 15 GPM flow with 5 PSI pressure drop
- 2.9 AMP current draw
- Fiberglass reinforced nylon body
- EPDM Diaphragm Standard - Viton available

No.	Description
SPPAA145H-1	1" x 1"
Repair Parts #145 & #145H	
SPPPK-AB145H-KIT (EPDM Kit)	
SPPAB145H-VI-KIT (Viton Kit)	
SPPCP18605-NYB Coil	

TEEJET DIRECTOVALVE 144A-3 WAY VALVE



The three-way solenoid-operated DirectoValve control valve bypasses boom flow to maintain constant spraying pressure when one or more boom sections are shut off. To maintain pressure with a 83520-PP Throttling Valve, Outlet 2 must be throttled to match the total capacity of the nozzles on that boom section.

- For pressure to 65 PSI
- 8 GPM flow at only 5 PSI pressure drop
- 2 amp current draw
- Encapsulated 12 VDC coil
- Poly & Stainless Steel wetted parts
- EPDM Rubber parts - Viton available

Part No.
SPPAA144A-1-3

Repair Parts #144A-1-3
SPPCP15163-NYB Coil

TEEJET DIRECTOVALVE BE MOTOR REPLACEMENT

Part No.
SPP50533-22C05

SPST & DPDT EXPLAINED

SP and DP refer to single pole and double pole, ST and DT refer to single throw and double throw.

Pole refers to the number of circuits controlled by the switch: SP switches control only one electrical circuit. DP switches control two independent circuits (and act like two identical switches that are mechanically linked). Do not confuse 'pole' with 'terminal'. The DPST switch, for example, has 4 terminals, but it is a DP, not a 4P switch.

Throw refers to the extreme position of the actuator: ST switches close a circuit at only one position. The other position of the handle is Off. DT switches close a circuit in the Up position, as well as the Down position (On-On). A DT switch can also have a center position (frequently On-Off-On).

SPST (Single Pole Single Throw)

- Switch in **ON** position = Circuit is connected / Electricity runs to actuator to open valve
- Switch in **OFF** position = Circuit is broken / No electricity to actuator, valve closes

DPDT (Double Pole Double Throw)

- Switch in **ON** position = Circuit #1 is connected / Electricity runs to actuator, valve opens
- Switch in **OFF** position = Circuit #2 is connected / Electricity runs to actuator in opposite direction (polarity is reversed), valve closes

DPDT is more advantageous than SPDT since it can turn on and turn off different appliances at the same time. The SPDT system can only accommodate and power one appliance at a time.

DIRECTOVALVE 344 SERIES ELECTRIC SHUTOFF VALVES



- 344B shutoff ball valves are available with EC (SPST switch) or E (DPDT switch) series motors
- 22 RPM, 0.7 second shutoff fully open to close
- Flexible inlet/outlets provide quick simple plumbing for a single valve
- Available in 2-way or 3-way versions. 2-way valves allow complete shutoff while the 3-way valves divert flow to a bypass line when boom controls are shut off
- Stainless steel stem with polypropylene ball
- Maximum pressure rating is 300 PSI
- Flow rate for the 344BEC 2-way valve is 32 GPM with a 5 PSI pressure drop, 45 GPM at a 10 PSI pressure drop
- Flow rate for the 344BEC 3-way valve is 24 GPM with a 5 PSI pressure drop, 34 GPM at a 10 PSI pressure drop
- Wetted parts are Nylon, Teflon, polypropylene, stainless steel and Viton

DOUBLE POLE DOUBLE THROW

No.	Ports	FPT
SPP344BE-23-C	2 way	3/4"
SPP344BE-24-C	2 way	1"
SPP344BE-2F-C	2 way	Flange
SPP344BE-34-C	3 way	1"

SINGLE POLE SINGLE THROW

No.	Ports	FPT
SPP344BEC-23-C	2 way	3/4"
SPP344BEC-24-C	2 way	1"
SPP344BEC-2F-C	2 way	Flange
SPP344BEC-33-C	3 way	3/4"
SPP344BEC-34-C	3 way	1"
SPP344BEC-3F-C	3 way	1"
SPP344BEC-3F-C	3 way	Flange

Replacement BEC Motor ~ Part No. **SPP50515-22CP05**
 Replacement BE Motor ~ Part No. **SPP50533-22C05**



**AA244C
REMOTE CONTROL
ELECTRIC
REGULATING
BUTTERFLY VALVE**

The AA244C remote control electric regulation valve has been specifically designed to provide remote pressure control in agricultural applications using DirectoValve AA144A or AA145 solenoid shutoff valves.

- 100 PSI Max.
- Low current draw (0.10 AMP)
- 20 second response time

No.	Mfg. No.	FPT
SPPAA244C-3/4	AA244C-3/4	3/4"



**344BRL SERIES
ELECTRIC
REGULATING VALVE**

- 300 PSI Max.
- 27 GPM @ 5 PSI drop
- 38 GPM @ 10 PSI drop
- 1 RPM motor speed
- Less than 1 AMP consumption

No.	FPT	Ports
SPP344BRL-23-01CCS	3/4"	2 way
SPP344BRL-24-01C	1"	2 way
SPP344BRL-24-03C		2 way
SPP344BRL-24-03CCS	1"	
SPP344BRL-2F-03C		
SPP344BEC-3QS-C	3/4"	3 way

Repair Kits~
 Part No. **SPPAB346B-KIT**
 Part No. **SPPAB344AE-KIT**



**344BPR SERIES
ELECTRIC
REGULATING
VALVE**

- 300 PSI Max.
- 12 GPM @ 5 PSI drop
- 17 GPM @ 10 PSI drop
- 1 RPM motor speed
- Less than 1 AMP consumption

No.	FPT	Ports
SPP344BPR-23-01C	3/4"	2 way
SPP344BPR-24-01C	1"	2 way
SPP344BPR-33-01C		

801A FLOWMETER

- Flow range of 2-45 GPM (7.5-170 LPM)
- 300 PSI (20 bar) max pressure
- 50-series flange connection

No.	Description
SPP801A	801A Flowmeter 430 Manifold

Call for information if part numbers are not listed (-)

TEEJET DIRECTOVALVE 346 SERIES

- 25 RPM, 0.6 second shutoff fully open to close. Available in 2-way or 3-way versions. 2-way valves allows complete shutoff while the 3-way valves divert flow to a bypass line when boom controls are shut off
- The flow rate for the 346BEC 2-way valve is 100 GPM (379 l/min) with 5 PSI (0.34 bar) pressure drop, 141 GPM (534 l/min) with 10 PSI (0.69 bar) pressure drop
- The flow rate for the 346BEC 3-way valve is 64 GPM (242 l/min) with a 5 PSI (0.34 bar) pressure drop, 91 GPM (344 l/min) with 10 PSI (0.69 bar) pressure drop
- Polypropylene ball with stainless steel steel. Maximum pressure rating of 150 PSI (10 bar)
- Wetted parts made of corrosion-resistant materials, glass-reinforced polypropylene, Teflon®, stainless steel and Viton®



No.	Description
SPP346BEC-26-C15	1-1/2" 2-Way Directo Valve
SPP346BEC-36-C	1-1/2" 3-Way Directo Valve - SPST
SPP346BEC-26-C	Shutoff Valve 1-1/2"
SPP346BR-35-03C	3 RPM 6 SEC Reg 1-1/4 Valve

Replacement BEC Motor ~ Part No. SPP50515-25CP03

DIRECTOVALVE SOLENOID FOAM MARKER VALVES

TEEJET AA144F-1-3

The 144F-1-3 three-way operated Directo Valve was designed for use with foam markers. With electrical power off, flow to outlet 1 is stopped and liquid flows to outlet 2. With electrical power on, flow to outlet 2 is stopped and liquid flows to outlet 1.

No.	FPT x FPT
SPPAA144F-1-3	3/4" x 1/2"
Repair Parts	
SPPCP15163-NYB	Coil

- Operating pressure range 0-50 PSI
- Large flow capacities, 5 PSI (0.35 bar) pressure drop with 8 GPM (30 l/min) flow
- Nylon encapsulated 12VDC coil with 1/4" quick connect terminals.
- Glass-filled polypropylene (black) valve body
- Internal metal parts are made of brass, fasteners are made of stainless steel, other metal parts are zinc-plated.
- Chemical-resistant EPDM rubber seat washer and diaphragm

TEEJET DIRECTOVALVE 490 SERIES SHUTOFF MANIFOLD



SPP491BEC-CVALVE

- 25 RPM, 0.6 second shutoff fully open to close.
- Flexible 50 series flange fitting inlet/outlet connections
- Available in 2-way version only. Pressure regulating valves can be incorporated.
- A uniquely designed 316 stainless steel ball reduces the amount of material that can be trapped in the valve.
- Flow rate: 100 GPM (379 l/min) at 5 PSI (0.34 bar) pressure drop, 141 GPM (534 l/min) at 10 PSI (0.69 bar) pressure drop.
- Maximum pressure rating of 150 PSI (10 bar)

TEEJET DIRECTOVALVE 460 SERIES 2-WAY MANIFOLD



SPP461BEC-2Q-C

- 22 RPM, 0.7 second shutoff fully open to close.
- With a choice of threaded, QC (Quick Connect) hose barbs or 50 series flange fitting outlet connections, the 460BEC manifold allows quick, simple plumbing for as many valves as needed for your sprayer.
- Stainless steel stem and ball. Flow rate: 25 GPM (94 l/min) at 5 PSI (0.34 bar) pressure drop, 35 GPM (132 l/min) at 10 PSI (0.69 bar) pressure drop.
- Maximum pressure rating of 300 PSI (20 bar).

TEEJET DIRECTOVALVE 450 SERIES SHUTOFF MANIFOLD



SPP451BEC-2F-C
SPP451BEC-2F-CPC
SPP451BEC-24-CUX

- 22 RPM, 0.7 second shutoff fully open to close.
- Available in 2-way and Flow Back versions. Pressure regulating valves can be incorporated.
- Flexible inlet/outlet connections allow for quick, simple plumbing for as many valves as needed for your sprayer.
- Stainless steel stem with optional polypropylene or stainless steel ball.
- Maximum pressure rating of 200 PSI (14 bar). The flow rate for the 450BEC 2-way valve is 32 GPM (121 l/min) with 5 PSI (0.34 bar) pressure drop, 45 GPM (170 l/min) with 10 PSI (0.69 bar) pressure drop.
- Wetted parts are Nylon, Teflon®, polypropylene and Viton®.



75 SERIES FLANGED FITTINGS

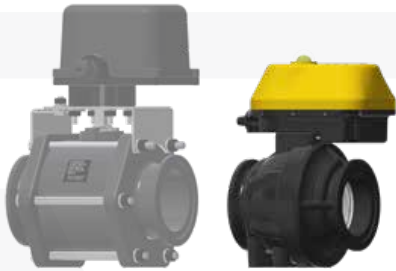
- Maximum pressure rating of 200 PSI.
- Polypropylene construction.

No.	Description
SPPCP55224-PP	450 Tee Body (Narrow)
SPPCP46067-PP	1 1/2" Hose Barb

SMALLER • SMARTER • TOUGHER

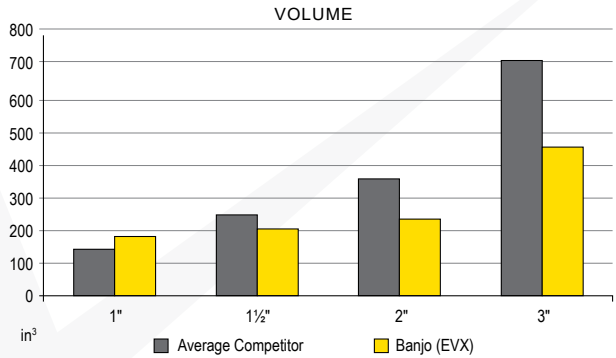


SMALLER



EVX 2" full port and 3" models are **over 35% smaller** than the average competitive valve.

The 1½", 2" full port and 3" models are also **substantially lighter** than the average competitive valve.



Based on data compiled October 2018 of electric valves used in OEM Sprayers

SMARTER



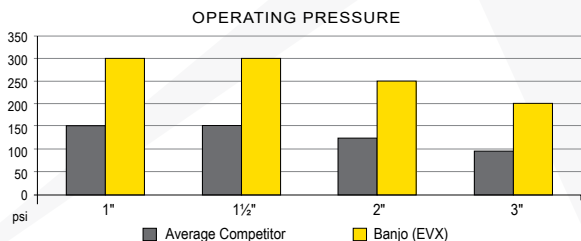
EVX offers the latest communication protocol options including CAN/ISO BUS, Pulse-Width-Modulation (PWM), and Bluetooth® wireless technology. Diagnostic options report voltage, temperature, and cycle count to warn of concerns before they become problems.



LED provides valve performance feedback indicating blue for power and yellow for a fuse blown condition. With the optional open / close verify, the LED indicates green and red, respectively. As an additional option, EVX reports temperature, voltage and cycle count.

TOUGHER

Setting the new standard for electric valve toughness, EVX passes 52 separate durability torture tests including mechanical shock, vibration, extreme temperature, rain /shine, operating pressure, and rigorous longevity tests.



C O N N E C T W I T H C O N F I D E N C E™

THE LATEST ADVANCEMENTS IN ELECTRIC VALVES ENGINEERED TO BANJO RELIABILITY STANDARDS

ACTUATOR FEATURES

- Solid-state reliability
- 12V DC standard, 24-volt available
- IP68 waterproof
- -20 to 150F (-29 to 65C) operating
- -67 to 221F (-55 to 105C) storage
- Actuator rated to 500,000 cycles
- 100G's shock rating

VALVE FEATURES

- Proprietary polypropylene formulation ensures durability and enables precision tolerances
- Welded construction supports sleek, compact valve design while eliminating a leak point
- Threaded & manifold flange connections
- Bottom-located threaded inserts provide versatile mounting solution
- Banks of 1" & 2" EVX units available
- Open/closed indicator
- Valve rated to 50,000 cycles leak-free
- 316 stainless steel ball, stem, hardware
- Poly ball available
- FKM stem seals
- Replacement valves & handle kits available
- Optional bolted-valves with same dimensions as legacy EV product line

EVX MODELS & OPTIONS

All part numbers listed may not be available online. Call for more information.

EVX STANDARD ON/OFF MODELS							
LEGACY EV 2-WAY PART NUMBER	SIZE		EVX WELDED VALVES		EVX BOLTED VALVES		
	END PLATE TYPE	PORT SIZE	2-WAY	BOTTOM/SIDE LOAD	2-WAY	BOTTOM LOAD	SIDE LOAD
EV075	¾" NPT	1"	X	X	EVX071	EVX075BL	EVX075SL
EV100FP	1" NPT	1"	EVX100	X	EVX101	EVX100BL	EVX100SL
EV125	1¼" NPT	1"	EVX125	X	EVX121	EVX125BL	EVX125SL
EV150	1½" NPT	1½"	EVX150	X	EVX151	EVX150BL	EVX150SL
EV200	2" NPT	1½"	EVX200	X	EVX201	EVX200BL	EVX200SL
EV204FP	2" NPT	2"	EVX220	X	EVX221	EVX220BL	EVX220SL
EV300FP	3" NPT	3"	EVX300	X	X	EVX300BL	X
MEV100CF	M100	1"	MEVX100	X	MEVX101	MEVX100BL	MEVX100SL
MEV200CF	M200	1½"	MEVX200	X	MEVX201	MEVX200BL	MEVX200SL
MEV220CF	M220	2"	MEVX220	X	MEVX221	MEVX220BL	MEVX220SL
MEV300CF	M300	3"	MEVX300	X	X	MEVX300BL	X

EVX AVAILABLE PROTOCOLS AND SELECT OPTIONS						
PROTOCOLS AVAILABLE	DESCRIPTION	OPEN / CLOSE VERIFY **	LEDS POWER/FUSE	OPEN / CLOSE VERIFY LEDES	DIAGNOSTIC SENSORS ***	LINEAR FEEDBACK ****
EVX	ON/OFF WWC *	OPTIONAL	STANDARD	OPTIONAL	X	X
EVXR	4 WIRE REGULATING	X	STANDARD	X	X	X
EVXR2W	2 WIRE REGULATING	X	STANDARD	X	X	X
EVXC	CANBUS	X	STANDARD	STANDARD	OPTIONAL	X
EVXP	PWM	X	STANDARD	STANDARD	OPTIONAL	STANDARD
EVXB	BLUETOOTH®	X	STANDARD	STANDARD	OPTIONAL	X
EVXR 2W F4	2 WIRE REGULATING WITH FEEDBACK ****	CONTACT SALES	STANDARD	X	X	CONTACT SALES

* WWC: ON/OFF units are actuated via voltage to a "white-wire" called white-wire control (WWC).

** OPEN/CLOSE VERIFY: Open-verify wire (F1), Close-verify wire (F2), or both (F3) are available.

*** Diagnostic sensors available for temperature, cycle count and input voltage.

Optional sensor feedback via CANBUS protocol and Bluetooth App as well as via flashing LEDs.

****Linear feedback available as 4-20mA (F4), 0-5VDC (F5) and 1-5VDC (F6).

3-WAY SIDE LOAD ELECTRIC MANIFOLD VALVES



- 316 stainless steel ball & stem.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure.
- Internally fused/automatic reset.
- Open/closed indicator.

No.	Mfg. No.	Description
On/Off - 3/4 to 1 1/4 Sec. Response Time		
SPP76173	MEV100SLCF	1" Full Port Electric Valve
SPPMEV200SLCF	MEV200SLCF	2" Side LD Man Electric Valve
SPPMEV220SLCF	MEV220SLCF	2" Full Port Electric Valve

BANJO FULL PORT THREADED ELECTRIC VALVES



- 316 SS ball & stem
- Stainless steel hardware
- Fiberglass reinforced poly
- Glass reinforced PTFE seats
- FKM (viton) or EPDM O-rings
- Max. 150 PSI @ 70°F
- Open/closed indicator

No.	Mfg. No.	Pipe Size
On/Off - 1 1/4 Sec. Response Time		
SPPEV204FP	EV204FP	2"
On/Off - 3 Sec. Response Time - 100 PSI		
SPPEV300FP	EV300FP	3"

BANJO ELECTRIC MANIFOLD VALVE



- 316 SS ball & stem
- Fiberglass reinforced poly
- Glass reinforced PTFE seats
- FKM (viton) or EPDM O-rings
- Max. 150 PSI
- Internally fused/automatic reset
- Open/closed indicator

No.	Mfg. No.	Port
3/4 to 1 1/4 Sec. Response Time		
SPPMEV300CF	MEV300CF	3" Full
4 Sec. Response Time		
SPPMEVR100CF	MEVR100CF	1" Full
SPPMEVR200CF	MEVR200CF	2" Standard

Replacement Valve Sub Assembly

No.	Size
SPPMEV220XR1	2" Full Port

BANJO 1" MANIFOLD VALVE SUB ASSEMBLY



No.
SPPMEV100XR1

BANJO MANIFOLD ON/OFF VALVE



No.	Size
SPPMLEV100	1"
SPPLEV50	1/2"

3-WAY BOTTOM LOAD ELECTRIC MANIFOLD VALVES



- 316 stainless steel ball & stem.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure.
- Internally fused/automatic reset.
- Open/closed indicator.

No.	Mfg. No.	Description
On/Off - 3/4 to 1 1/4 Sec. Response Time		
SPPMEVX100	MEVX100	1" Electric Valve - Mnfld Flng
SPPMEVX100BL	MEVX100BL	1" Full Port Electric Valve
SPPMEVX200BL	MEVX200BL	2" Red Port 3-Way Elec Valve
SPPMEV200BLCF	MEV200BLCF	2" Standard Port Electric Valve

BANJO MANIFOLD FLANGE CONNECTIONS

- 24-volt operated.
- Open/closed indicator
- ON/OFF has 3/4 second response
- Open / Close verification.
- IP68 waterproof
- -0 to 150F (-18 to 65C) operating
- -67 to 221F (-55 to 105C) storage.
- Actuator rated to 500,000 cycles
- Valve rated to 50,000 cycles leak-free.
- 316 stainless steel ball & stem
- Stainless steel hardware.
- Fiberglass reinforced polypropylene
- PTFE seats, FKM stem seals

BANJO 3-WAY ELECTRIC VALVE THREADED W/FLANGE INLET



- 316 SS ball & stem
- Stainless steel hardware
- Fiberglass reinforced poly
- Glass reinforced PTFE seats
- FKM (viton) or EPDM O-rings
- Max. 150 PSI @ 70°F
- Open/closed indicator.

No.	Mfg. No.	Pipe Size
On/Off - 3/4 Sec. Response - Bottom Load		
SPPEV075BL	EV075BL	3/4"
3/4 Sec. Response - Side Load		
SPPEV075SL	EV075SL	3/4"
On/Off - 1 1/4 Sec. Response - Bottom Load		
SPPEV204BLFP	EV204BLFP	2"



No.	Size	Style	lbs.
SPPMEVX101	1"	On/Off	4.36
SPPMEVX10024F3	1"	On/Off	3.821
SPPMEVX200	2"	On/Off	4.22
SPPMEVX221	2"	On/Off	5.07
SPPMEVX300	3"	On/Off	8.98

No.	Size	Style	lbs.
SPPMEVX100SL	1"	3-way	4.76
SPPMEVX200SL	2"	3-way	7.019
SPPMEVX220SL	2"	3-way	6.98
SPPMEVX220BL	2"	3-way	6.98
SPPMEVX300BL	3"	3-way	18.28

ELECTRIC VALVES

No.	Size	Style	Type
SPPEVX100SL	1"	3-Way	Side Load
SPPEVX101	1"	On/Off	Full Port Bolted
SPPEVX15124F3	1 1/2"	On/Off	FP 1.5S WWC 24V Open/Close Verify
SPPEVX201	2"	On/Off	Bolted
SPPEVX220	2"	On/Off	Full Port
SPPEVX221	2"	On/Off	Full Port Manifold
SPPEVX300	3"	On/Off	Bolted



SPPEVX300

SPPEVX221

REPLACEMENT PARTS



No.	Description
SPPMEV20254A	EV Body - 1 1/2" & 2
SPPM200TEE075	2" X 3/4" Venturi Manifold Tee
SPPEVX200ADP	Kit Adapter
SPPM102G	1" Skirted Flange Gasket
SPPM222G	2" FP Skirted Flange Gasket
SPPM202G	2" SP Skirted Flange Gasket
SPPM302G	3" Skirted Flange Gasket



SPPEP21A10310

- EVX Actuator Only 3/4 Second Response 3 Wire, White Wire Control

Call for information if part numbers are not listed (-)

- Very low current draw
- Body-glass filled nylon
- Wetted metal parts 304 and 403 stainless steel
- Viton seals (AFAS available)
- 5% pressure drop across valve
- Max. Temp. 120°F

- Foam & dye marker liquid control
- Boom end nozzle control
- Chemical injection systems
- ATV and estate sprayer boom control
- 12-Volt DC



2201A SOLENOID VALVE

- High pressure and high volume
- Max. 125 PSI
- Max. Flow 1 GPM
- Max. Amps 1.1
- Ports 1/4" FPT

No.	Orifice Size
SPPSV.2201A	.148



2202 SOLENOID VALVE

- Low pressure and high volume
- Max. 50 PSI
- Max. Flow 1 GPM
- Max. 0.85 Amps
- Ports 1/4" FPT

No.	Orifice Size
SPPSV.2202A	.148



2203 SOLENOID VALVE

- High pressure and low volume
- Max. 125 PSI
- Max. Flow 1/2 GPM
- Max. 0.85 Amps
- Ports 1/4" FPT

No.	Orifice Size
SPPSV.2203A	.105



1999 SERIES 12-VOLT SOLENOID

- Suitable for wettable powders
- Low pressure loss, 5 PSI at 10 GPM
- Low power draw: 2.4 amps at 12 volt
- Viton seals and O-Rings
- Wetted parts stainless steel or glass filled nylon
- Max. Temp. 120°F • Max. 125 PSI

No.	Mfg. No.	Valves	Inlet / Bypass FPT x MPT	Boom FPT
SPP1999A1V	1999	1	1" x 1"	3/4"
SPPSV.1999A.3V	1999-3	3	1" x 1"	3/4"
SPP2045	2045		Repair Kit	
SPPKT.2517	2517		Repair Kit	

REPLACEMENT PARTS



- Weight: 1 lbs
- Dimensions: 8 x 6 x 6 cm
- Diaphragm/Seat/Seals: Viton

No.	Orifice Size
SPPSL.1974	1999A Viton Diaphragm Assembly



2204 3-WAY SOLENOID VALVE

- Ideal for use on markers to switch flow to desired booms
- Max. 40 PSI
- Max. Flow 1/2 GPM
- Max. Amps 0.85
- Ports 1/4" FPT

No.	Orifice Size
SPPSV.2204A	.105



2504 3-WAY SOLENOID VALVE

- Ideal for foam markers
- Max. 75 PSI
- Max. Flow 2 GPM
- Max. Amps 1.1
- Ports 1/2" FPT

No.	Orifice Size
SPPSV.2504B.WP	.220



2505 3-WAY SOLENOID VALVE

- Ideal for small sprayers
- Max. 80 PSI
- Max. Flow 2 GPM
- Max. Amps 1.7
- Ports:
3/4" FPT Inlet & Bypass
1/2" FPT Outlet

No.	Valves
SPP2505-1	1
SPP2505-3	3

3 – 2100C SPADE SOLENOID VALVES

with 1 – 1560B Pressure Regulator Assembled and Mounted on Bracket

- Weight: 6 lbs
- Dimensions: 15 x 11 x 7 cm
- Valve Type: 2-Way Direct Operating
- Output: 0-10 GPM
- Maximum Pressure: 125 PSI



3000 SERIES 3-WAY SOLENOID VALVE

- 3/4" FPT In & 3/4" MPT Out
- 1/2" FPT Outlet (Boom)
- Current draw 1.1 Amp at 12 Volt DC
- Can be interconnected for multiple boom control

No.	Max. GPM	Max. PSI
SPPSV.3012A	3.1	80
SPPSV.3018A	4	60



2602A SOLENOID VALVE

- 1 GPM
- Mac 80 PSI
- Mac 12V
- Max 0.85 AMP
- Viton Nozzle Body Direct Operating On/Off Solenoid Valve with TIR E-Chip™ Technology and 2 Pin Weather-Pack Connectors

No.	Orifice Size
SPP2602A	1/4" FPT



MODEL 2501 12-VOLT SOLENOID

- Max. 125 PSI
- Max. 6 GPM at 5 PSI pressure drop
- Viton seat & seal
- Max. Temp. 120°F

No.	Mfg. No.	Ports In/Out
SPPSV.2501B	2501	1/2" FPT
SPPKT.2352	2352	Repair Kit



2100A SERIES 12-VOLT SOLENOID

- Low pressure loss, 5 PSI at 15 GPM
- Low power draw: 2.4 amps at 12 volt DC
- Response time 1/2 second or less
- Screw together for multi-valve units
- Parts made from glass filled Nylon, Viton or Stainless Steel
- Max. 125 PSI Max. Temp. 120°F

No.	Mfg. No.	Valves	Inlet / Bypass		Boom
			FPT	MPT	
SPPSV.2100C.1V	SV.2100C.1V	1	3/4"	3/4"	1/2"
SPPSV.2100C.3V	SV.2100C.3V	3	3/4"	3/4"	1/2"



2 WAY SOLENOID VALVE

- 10 GPM 125 PSI 12V 2.0 AMP Viton 2-Way Direct Operating Solenoid Valve with 2 Pin Weather-Pack Connectors

No.	Mfg. No.	Valves	Inlet / Bypass		Boom
			FPT	MPT	
SPP2100C1VWP	2100C1VWP	1	3/4"	3/4"	1/2"



2500 SERIES 12-VOLT SOLENOID

- Low power draw 1.7 amps at 12 volts
- Instant response time.
- 3/4" FPT Inlet; 3/4" MPT By Pass; 1/2" FPT Boom outlet.
- Weatherproof coil draws 1.7 amps at 12 volts.
- Wetted parts consist of 430 stainless steel, Viton with chemical resistant glass filled nylon body.
- Screw together for multi-valve units
- Max. Temp. 120°F
- Max. 5 PSI pressure loss at recommended flow.

E-CHIP™

No.	Mfg. No.	Valves	Max PSI	Recommended
				Flow
SPPSV.2500B.1	SV.2500B.1	1	100	0-10 GPM
SPPSV.2500B.3	SV.2500B.3	3	100	0-30 GPM
SPPSV.2502B.1	SV.2502B.1	1	175	0-8 GPM
SPPSV.2502B.3	SV.2502B.3	3	175	0-24 GPM
SPPKT.2352	KT.2352	Repair Kit		

ACCESSORIES & REPAIR PARTS



PRESSURE ADAPTER

- Easy and efficient way to connect 1/8" gauge tubing to supply lines to monitor pressure
- Mount on 3/4" supply lines or boom lines

No.	MPT x FPT
SPPPL.2152	3/4" x 3/4"



ELECTRIC SPRAYER PRESSURE REGULATORS

- Equipped with a precision high torque motor and gear reduction
- High strength body
- Glass filled nylon body, SS motor, viton seal
- 150 PSI Max

No.	Mfg. No.	Description	GPM
SPPPR.1560A	PR.1560A	3/4" FPT with 3/4" orifice	50
SPPPR.1541B	PR.1541B	1" FPT with 1" orifice	15 to 100



CHEMICAL ISOLATOR KIT

- Keeps chemicals from entering tractor or truck cab
- Dampens and protects pressure gauge from corrosive chemicals
- 150 PSI Max
- Pre-filled with non-toxic RV antifreeze

No.	Description
SPPKT.2300	Kit with mounting bracket and fitting for 1/8" & 1/4" tubing



WP EXTENSION HARNESS FOR SOLENOID VALVE CONTROL SYSTEM KITS

No.	Length	Gauge/Wires
SPPHRN.1231.WP	15 ft	18/6

REMOTE CONTROL PARTS



No.	Description
SPPPL.1181	1/8" Adapter
SPPPL.1182	1/8" Tube Union

RC-1B REPAIR PARTS

No.	Mfg. No.	Description
SPPSW.1214	1217	Black Plastic Switch
SPPSW.1175	1175	Pressure Reg. Switch
SPP2675	1213	100 PSI 2 1/2" Dry Gauge
SPPPG.1633	1633	300 PSI 2 1/2" Dry Gauge
SPPPG.1332L	1213L	100 PSI 2 1/2" Liq Gauge
SPPPG.1734L	1734L	160 PSI 2 1/2" Liq Gauge
SPP23803WP	23803WP	Control System
SPPCON.2380L.3	6189A-3	Valves

RC-10N REPAIR PARTS

No.	Mfg. No.	Description
SPPSW.1175	1175	Pressure Reg. Switch
-	1194	0-100 1/8" NPT Gauge
SPP1330	1330	0-100 1/4" NPT Gauge

REPLACEMENT PARTS

- White Propylene Fittings for the connection of gauge tubing

No.	Orifice Size
SPPPL.1182	1/8" Tube Union Assembly

Call for information if part numbers are not listed (-)

1-888-937-7278

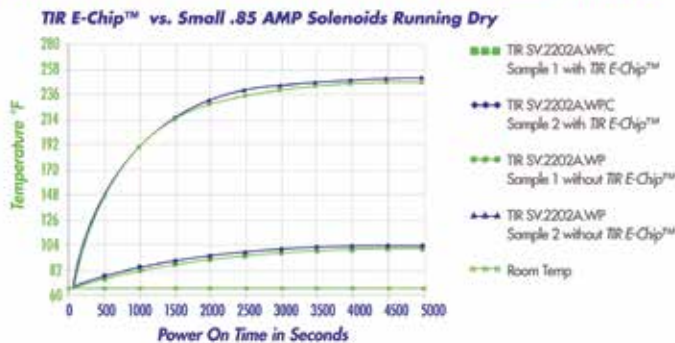
TIR E-CHIP™ SAVE POWER, RUN COOLER

TIR E-CHIP™ SOLENOID VALVES

Texas Industrial Remcor is proud to announce the next step in solenoid valve development with our new TIR E-CHIP™. By integrating a small interface electronic board into the valve, the power consumption, input voltage, and operating temperatures are reduced.

Upon the introduction of power, the driver allows full current to the valve during a time called "Pull-in." After "Pull-in," amperage is reduced by 66% of normal valve amperage requirements. With this integration of the TIR E-CHIP™, coil discharge that causes reverse voltage also becomes less of an issue.

COMPARISON OF TEMPERATURE IN SOLENOID VALVES



MULTI-VALVE CONTROLLERS



RC-1B SERIES WITHOUT SOLENOID VALVES

Remote control system designed to give the operator complete and safe control of both spraying pressure and boom shut-down. The cab harness of the control console attaches to the spray harness with molded quick disconnects for quick and easy coupling of the sprayer to the tractor. Includes 0-100 PSI pressure gauge, adjustable mounting bracket, toggle-type regulator switch, master switch and on-off switches for 3 solenoid shutoff valves, 6 ft. cab harness, 8 ft. sprayer harness, fuseholder and fuse and high pressure gauge line encased in a tight-fitting jacket of the wiring harness.

No.	Gauge	Regulator
SPPCON.RC1B	Dry	1560A
SPPCON.RC1BL	Liquid	1560A

RC-10N SERIES

The RC-10N series is ideal for sprayers which require control over only one boom shutoff valve. Includes 0-100 PSI pressure gauge, 1988 mounting bracket, regulator switch, on-off boom switch, 8 ft. power cord with fuse holder and fuse, 15 ft. sprayer harness with encased high pressure gauge tubing which act as both a pressure transmitter and a pulsation dampener.



No.	Regulator	Valve
SPPCON.RC10N	1560A (3/4")	-
SPPCON.2055	1541A	1999A

RC-10N SERIES WITH 2100B SOLENOID VALVE

Control system with 1560A pressure regulator, 0-100 PSI pressure gauge, 2100B solenoid valve, and 2148 valve mounting bracket.

Part No. SPPCON.2180



RC-1B SERIES WITH 1999A SOLENOID VALVES

Standard control system equipped with 6 ft. cab harness, 8 ft. sprayer harness, nylon pressure regulator, solenoid shutoff valves, 3 valve switches, 0-100 PSI pressure gauge and a 1990 valve mounting bracket (175 PSI).



No.	Gauge	Regulator
SPPCON.2040.3	Dry	1541A
SPPCON.2040L.3	Liquid	1541A

RC-1B SERIES WITH 2100B SOLENOID VALVES

Standard control system equipped with 6 ft. cab harness, 8 ft. sprayer harness, nylon pressure regulator, solenoid shutoff valves, 3 valve switches, 0-100 PSI pressure gauge and a 2151 valve mounting bracket (125 PSI).



No.	Gauge	Regulator
SPPCON.2155.3	Dry	1560A
SPPCON.2155L.3	Liquid	1560A

RC-1B SERIES WITH 2500B SOLENOID VALVES

Standard control system equipped with 6 ft. cab harness, 8 ft. sprayer harness, 1560A nylon pressure regulator, solenoid shutoff valves, 3 valve switches, 0-100 PSI pressure gauge and a 2151 valve mounting bracket (100 PSI).



Part No. SPPCON.2380.3

Part No. SPPCON.2380L.3 ~ w/ Liquid Gauge



- Manual spray controller in a compact package.
- Choice of dry or liquid-filled 100 PSI (7 bar),
- 150 PSI (10 bar) or 300 PSI (20 bar).
- Lighted pressure gauge for night use.
- Heavy-duty switches with LED indicators.
- Available in a variety of kit forms using solenoid or ball type control valves.

MID-TECH [®] PART NUMBER (OLD SSCO NUMBER)	744A 3-SWITCH CONSOLE		HARNESS		BOOM VALVES			REGULATING VALVE	
	100 PSI GAUGE	300 PSI GAUGE	SOLENOID	BALL VALVE	NONE	144A-3	144P-3	244 BUTTERFLY	344-2RL BALL
KIT PART #	75-50033 (37203-100L-3)	75-50035 (37203-300L-3)	45-20090 (21725-8) 45-20091 (21720-8) 45-20100 (21478-2)	45-05385 45-10072 45-10080		35-50023 (AA144A-3)	35-50027 (AA144P-3)	35-50029 (21773-244C-3/4)	35-02087 (344BRL-24-01CCS)
90-50151 (744A-300L-3)		•		•	•				
90-50163 (AAK744A-100L-335)	•		•			•		•	
90-50177 (AAK744A-100L-33P)	•		•				•	•	
90-50237 (AAK744A-300L-30B)		•		•	•				•

No.	Description
SPP76703	744 Control Kit
SPP01-50007	Circuit Board Module 744A-3
SPP51-20008	100 psi Liquid Gauge
SPP90-50177	Kit: 744 3-boom 100 PSI, w/244C 3/4 valve & 144P
SPP76702	AAK744A-100L-30S Control Kit

No.	Description
SPP90-02666	Kit Boompilot Teejet 844
SPP90-50143	Kit Core 845 Without Cables
SPP90-50254	Kit 744e-3s 100psi W/430 Din
SPPGD430-GLO-R30-B	Kit, Matrix 430 Glon RXA3 Bat
SPPGD430-GLO-R30-L	Kit, Matrix 430, Glon 12v Plug

No.	Mfg. No.	Description
SPP75-50033	75-50033	744A 100 PSI gauge console
SPP1464	75-50035	744A 300 PSI gauge console
SPP76826	45-20091	Cable, 8' Extension
SPP45-20079	45-20079	Cable, 15' Extension
SPP45-20100	45-20100	Cable, Power
SPP45-20089	45-20089	15 ft. 3-section, End cable
SPP45-20088	45-20088	18 ft. 3-section, End cable
SPP45-05385	45-05385	Ball valve, Power cable
SPP45-10072	45-10072	Ball valve, Console harness
SPP98600-B-433EC-2	98600-B-433EC-2	430 2-Way, 3-Section Valve Manifold

Sprayer Controls for 2400 Series

800 SERIES FLOW METER



- Turbine style design for optimal accuracy.
- Durable ruby-bearings for long wear life.
- Operating voltage of +4.5–16 VDC with LED status light.
- Wetted parts are glass-filled polypropylene, stainless steel and Viton®
- 802 features 200 PSI (14 bar) pressure rating.

No.	Description	Flow Capacity
SPP57-10125	802 Flow Meter with 75-Series Flange and Conxall (Raven) Connector	3–130 GPM (11–492 l/min)

ELECTROMAGNETIC FLOW METERS



- No flow obstructions = no clogging risk
- No moving parts means no service or maintenance requirements
- Fast response times improves performance of regulating systems
- Works with any conducting fluid
- Clean-sheet design optimized for agricultural application equipment

2460 - A remote control system for sprayers which require control for one or two motorized boom shutoff valves. Equipped with 10 ft. cab harness & a 10 ft. sprayer harness with quick disconnects for easy coupling of the sprayer to the tractor. Includes 0-160 PSI pressure gauge, adjustable mounting bracket, toggle-type regulator switch, master switch, and on-off switches for 3 motorized shutoff valves, 8 ft. power cord, fuse holder with fuse, high pressure gauge line and a 1541A (1") pressure regulator.



No.	Gauge
SPPCON.2460L.WP.3	1734L Liquid

No.	Description
SPPFM9380C-F75	200 PSI CONXALL 3 POS/PIN
SPPFM9380-F75	200 PSI DEUTSCH 3POS/SKTS
SPPFM9380-F75-1.5	200PSI DEUTSCH 3POS/SKTS1.5"HB

REDBALL MONITORS



MANIFOLD MODELS

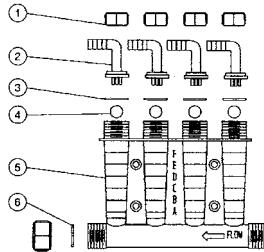
No.	Mfg. No.	Col.	HB
SPP6347	3376-0001	4	1/4"
SPP6348	3376-0002	4	3/8"
SPP6348-1	3376-0008	4	1/2"



SQUEEZE PUMP MODELS

No.	Mfg. No.	Col.	HB
SPP6350	3376-0006	2	3/8"
SPP6352	3376-0007	2	1/2"
SPP6348-5	3376-0003	4	1/4"
SPP6351	3376-0004	4	3/8"
SPP6349	3376-0005	4	1/2"

REDBALL REPLACEMENT PARTS



No.	Ill. No.	Description
SPP6357N	1	Monitor Nut
SPP6357E1	2	3/8" 90° Elbow w/Ret. Tips
SPP6357E2		1/2" 90° Elbow w/Ret. Tips
SPP6357S		1/4" Straight HB
SPP6357R	2	Order Ring Separate if Req.
SPP6357P		1/4" Retaining Ring
SPP6357S1	3	3/8" Straight HB w/Ret. Tips
SPP6357S2		1/2" Straight HB w/Ret. Tips
SPP6357E	3	3/4" EPDM Washer
SPP6357V		3/4" Viton Washer
SPP6357G	4	Red Glass Ball
SPP6357P		Red Plastic Ball
SPP6357SS		Stainless Steel Ball
SPP6357GP		Green Plastic Ball
SPP6357B	5	Black Plastic Ball
SPP6353		Monitor Body
SPP6357D	6	Blank Disk
Squeeze Pump Replacement Bodies (not installed)		
SPP6354	4 Col.	Monitor Body 3/8" HB Inlet
SPP6355	2 Col.	Monitor Body 3/8" HB Inlet
SPP6354-1	4 Col.	Monitor Body 1/2" HB Inlet
SPP6355-1	2 Col.	Monitor Body 1/2" HB Inlet

WILGER FLOW VIEW INDICATORS

MANIFOLD FLOW INDICATORS



- Connected together, one feed hose can supply multiple outlet hoses
- Up to 3 nozzles can be monitored by a single monitor
- For monitoring many lines from a single feed

- Max Operating Pressure: 100psi / 7bar
- Max Metered Flow Rate: Up to 8.0 us gpm
- Max Operating Pressure: 185°F / 85°C
- O-ring Seals: FKM (standard) / Viton
- U-clip/Metal Fittings: Stainless Steel (302)
- ORS Fittings: Glass-reinforced Polypropylene
- Flow Columns: TPX™ (Polymethylpentene)

No.	Standard Flow	Kit Type
Standard Flow Indicator Assembly		
SPP20460-00		Bagged Kit
SPP20460-01	0.07 - 2.7 us gpm	Body Only
Low-Flow Indicator Assembly		
SPP20470-00		Bagged Kit
SPP20470-01	0.05 - 0.65 us gpm	Body Only
Ultra Low-Flow Indicator Assembly		
SPP20475-00		Bagged Kit
SPP20475-01	0.01- 0.24 us gpm	Body Only

Manifold Kits include: Indicator Body, Ball Retainer (#20460-02), O-ring (#20460-03), 2x U-clips (#20460-04), Green Ball (#20460-08), Red Plastic Ball (#20460-07), Red Glass Ball (#20460-06), 1/2" SS Ball (#20460-05)

HOW THEY WORK

- Each indicator column supplies up to three nozzle tips
- In operation, balls hover at about the same level, depending on the flow rate
- A ball lower than the other indicates a plugged tip supplied by that column



REPLACEMENT O-RINGS

For metering orifices

No.	Description
SPP40225-04	Buna-N #015

ISOLATED FLOW INDICATORS



- Allows individual feed lines to be monitored
- Each fit together so fewer mounting fasteners are required
- Utilize o-ring seal and u-clip for outlet fitting
- Can utilize metering orifices to control flow
- 100 PSI Max
- O-ring Seals: FKM (Standard) / Viton

No.	Description
SPP20480-00	Standard flow assembly
SPP20490-00	Low-flow assembly
Replacement Parts	
SPP20480-01	Standard flow body
SPP20490-01	Low-flow body
SPP20480-02	Buna-N accessory kit
SPP20480-03	Viton accessory kit



ORS COLOR CODED METERING ORIFICES

Larger orifice is easier to handle, take out & switch.

No.	GPM @ 40PSI
SPP21500-V007	0.067
SPP21500-V01	0.1
SPP21500-V015	0.15
SPP21500-V02	0.2
SPP21500-V025	0.25
SPP21500-V03	0.3
SPP21500-V04	0.4
SPP21500-V05	0.5
SPP21500-V06	0.6
-	0.8
SPP21500-V10	1.0
SPP21500-V125	1.25
SPP21500-V15	1.5
SPP21500-V20	2.0



REPLACEMENT PARTS FOR MANIFOLD & ISOLATED

No.	Description
SPP20460-04	Locking Clip
SPP20460-02	Ball Retainer
SPP20460-03	#212 O-ring, FKM
SPP20460-09	Black Poly Ball
SPP20460-13	Orange Poly Ball
SPP20460-14	Pink Celcon Ball
SPP20460-07	Red Celcon Ball
SPP20460-06	Red Glass Ball
SPP20460-05	1/2" SS Ball
SPP20460-10	7/16" SS Ball



FLOW METERING ORIFICE PLATES

No.	Orifice Size
Buna-N Seal	
SPP21000-00	Blank
Viton Seal	
SPP21025-V0	0.025 Orifice
SPP21104-V0	0.104 Orifice

O-RING SEAL MANIFOLDS

2 Outlet Splitter	
O-ring	No.
Viton	SPP20527-V0
Buna-N	SPP20527-00



20573-00



20571-00



20572-00



20574-00

O-ring	1 Outlet Manifold	2 Outlet Manifold	3 Outlet Manifold	4 Outlet Manifold
	No.	No.	No.	No.
Viton	SPP20571-V0	SPP20572-V0	SPP20573-V0	SPP20574-V0
Buna-N	SPP20571-00	SPP20572-00	SPP20573-00	SPP20574-00

ORS STRAIGHT HOSE BARB

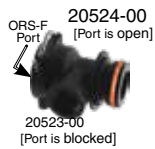
No.	Size
Buna-N	
SPP20501-00	3/8"
SPP20502-00	1/2"
SPP20503-00	3/4"

ORS 90° HOSE BARB

No.	Size
Viton	
SPP20511-V0	3/8"
SPP20512-V0	1/2"
SPP20514-V0	5/8"
SPP20513-V0	3/4"
Buna-N	
SPP20511-00	3/8"
SPP20514-00	5/8"
SPP20513-00	3/4"



SPP27310-00



20524-00



20523-00



20527-00

ORS TEES & OTHER FITTINGS

Description	O-ring	No.
90° ORS Elbow (ORS-M x ORS-F)	Viton	SPP20520-V0
	Buna-N	SPP20520-00
ORS Tee (ORS-M x ORS-M x ORS-F)	Viton	SPP20522-V0
	Buna-N	SPP20522-00
ORS Tee w/ 1/4" FPT (ORS-M x ORS-M x ORS-F x 1/4" FPT)	Viton	SPP20526-V0
	Buna-N	SPP20526-00
3/8" FPT x Blind ORS Tee (Blind ORS-F x ORS-M x 3/8" FPT)	Viton	SPP20523-V0
3/8" FPT x ORS Tee (ORS-F x ORS-M x 3/8" FPT)	Viton	SPP20524-V0
	Buna-N	SPP20524-00
2 Outlet ORS-F Splitter (ORS-F x ORS-F x ORS-M)	Viton	SPP20527-V0
	Buna-N	SPP20527-00
1" FPT x ORS Tee (ORS-M x ORS-M x 1" FPT)	Viton	SPP20525-V0
	Buna-N	SPP20525-00

EFM KIT

No.	Description
SPP20621-00	Efm 16 Channel Node Kit Wilger 20621-00, 16CH Node Kit, Includes: Node, Harness, 4x Quad-Sensor Cables
SPP20603-00	Efm Ecu Base Kit Wilger 20603-00, EFM ECU Kit, Includes: 20' Battery Harness, Antenna, Terminator
SPP20615-12	Efm 16CH NODE TO SENSOR EXT



See next page for more Wilger EFM kits

The O-ring Seal (ORS) Fitting Advantage



ORS 90° PUSH-IN TUBE

No.	Size
Viton	
SPP20516-V0	1/4"
SPP20528-V0	5/16"
SPP20517-V0	3/8"
Buna-N	
SPP20516-00	1/4"
SPP20528-00	5/16"
SPP20517-00	3/8"

ORS 90° FPT FITTINGS

No.	Size
Buna-N	
SPP20518-00	1/4"



20530-00 20535-00

FLOWMETER SPP90-50230



20526-00

ORS END CAPS & PLUGS

No.	Description
SPP20529-V0	Viton Male Plug
SPP20529-00	Buna-N Male Plug
SPP20519-00	1/4" NPT-F w o-ring
SPP20521-00	Female End Cap
SPP20535-00	1/4" FPT
SPP20536-00	3/8" FPT
SPP20537-00	1/2" FPT

O-RING SEAL (ORS) CHECK VALVE BODIES

Description	O-ring	Dia. Check Valve	Manual On/Off	Optional Nut
ORS Male to ORS Female	Viton	SPP20550-V0	SPP20551-V0	SPP20553-V0
	Buna-N	SPP20550-00	SPP20551-00	SPP20553-00
ORS Male to Combo-Jet Cap	Viton	SPP20560-V0	SPP20561-V0	SPP20563-V0
	Buna-N	SPP20560-00	SPP20561-00	SPP20563-00



SPP20621-00

SPP20603-00

Electronic Flow Monitoring System: Auxiliary Component Parts

Electronic flow monitoring system parts and components are easily replaceable. For individual component parts that were not listed in the above product breakdowns, find the below.

20580-06	EFM, Body Assy, TPX, ORS (no jets, body Assy only)	20585-01	10 PSI Manual ON/OFF Check Valve, 90°	20580-11	EFM, Impeller Assembly (20580-08 + 20580-10)
20580-01	EFM, Body Only, TPX	20580-02	EFM, Module c/w O-ring (no sensor)	20580-10	EFM, Impeller Magnet, Ceramic
20580-08	EFM, Impeller Assembly (20580-08 + 20580-10)	20580-11	EFM, Impeller Aids Pin	20580-13	EFM, O-Ring, #119, VITON® (for EFM module)
20580-10	EFM, Impeller Magnet, Ceramic	20583-00	EFM Sensor Cable, Single w/o Connector	20580-02	EFM sensor rubber cover (for unused sensor cables)
20580-11	EFM, Impeller Aids Pin	20583-00*	EFM Sensor Cable, Single w/o Connector	20580-06	10 PSI Diaphragm Check Valve, 90°
20580-13	EFM, O-Ring, #119, VITON® (for EFM module)			20580-08	

Call for information if part numbers are not listed (-)

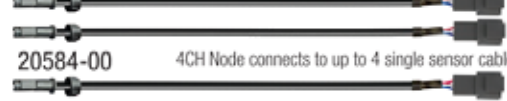
1-888-937-7278

4 CHANNEL (4CH) PRODUCT NODE KITS & COMPONENTS

No.	Product	Description
SPP20620-00	4CH Node Kit	incl. 4CH Node, 4CH Harness, 4x 6" single-sensor cables
SPP20608-00	4CH Node/Harness	incl. 4CH Product Node, 4CH Node Harness
SPP20609-00	4CH Harness Cap	4CH Harness Cover Cap"
SPP20584-00	Single-Sensor	6" single-sensor Cable for 4CH Node harness
SPP20584-10	Cables (lim. qty)	10' single-sensor Cable for 4CH Node harness

20620-00 4 CHANNEL (4CH) NODE KIT BREAKDOWN

Single Sensor Cables (for 16CH Nodes)



Capping Unused Connections

For proper function of your EFM system, each unused connection must be sealed with a 4CH node harness/sensor cover cap, or terminator.

Unused Sensor Connections
Cap unused 4CH node harness connections
#20609-00

Terminators
Cap all "last node in series" connections.
#20604-00

1 Node Connects to Harness
2 Connects to next node in series
3 Connects to ECU (or previous node)
4 Connects up to 4 single sensor cables

20608-01 4CH NODE
20608-02 4CH NODE HARNESS

1 Cost effectiveness of 4CH nodes: For any configurations requiring more than 2x 4CH node in series for 8+ sensors, it can be more cost effective to have a 16CH node and plug off unused harness connectors.

WATER & OIL SENSITIVE PAPER

No.	Mfg. No.	Size	Qty.
SPP20301-1N	20301-1	3" x 1"	50
SPP20301-2N	20301-2	3" x 2"	50
SPP20301-3N	20301-3	20" x 1"	25



TEEJET TIP CLEANING BRUSH

Part No. **SPPCP20016-NY**



SPRAYER CALIBRATION CONTAINERS



TEEJET CALIBRATION CONTAINER

- 68 oz. (2L) capacity
- Made of polypropylene

No.	Mfg. No.
SPPCP24034A-PP	CP24034A-PP

HANDHELD WEATHER METERS



Part No. **SPPWM20**

- Wind Speed
- Temperature
- Wind Chill
- (MPH, KPH, Knots, M/Sec, Ft/Min, Beaufort)

Part No. **SPPWM300**

- Measures wind speed, direction, temperature, relative humidity, wind chill, wet bulb, dew point, Delta T
- Comfort Index (Accuweather.com patented)
- Digital Compass
- Displays current, maximum and average wind speed
- Reports wind direction in both degrees and compass points
- Calculates head, tail and cross wind
- Water resistant and buoyant



14 & 25 GALLON FOAM MARKERS

14 GALLON



- Poly tank
- Approx. 2½ to 4¾ hours of marking
- 34" x 16½"; Height: 16"
- Molded in bottom lugs for mounting
- Gas air compressor/Shurflo liquid pump
- 15 amps max draw

Part No. **SPPLM1400**

25 GALLON



- Poly tank
- Approx. 4¼ to 8¼ hours of marking
- 35¾" x 18"; Height: 20"
- Molded in bottom lugs for mounting
- 12 volt air compressor/Shurflo liquid pump
- 15 amps max draw

Part No. **SPPLM2500**

1 LITRE FOAM COLORING



Foam fluorescent allows you to see your foam concentrate in low light situations. Uses only 2 to 3 ml per 4 litres of water.

No.	Color
SPP8208	Red

SPRAYER TIP CALIBRATION - SPOT ON



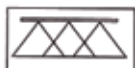
SPWSC-2

SPWSC-5

SPW28040

SPW27860

No.	Description
SPW27860	Tip Cleaner & Multi Tool
SPW28040	Digital Pressure Tester
SPWSC-2	SC-2 Sprayer Calibrator
SPWSC-5	SC-5 Universal Flow Meter



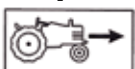
Broadcast Application

Sprayer calibration (1) readies your sprayer for operation and (2) diagnoses tip wear. This will give you optimum performance of your TeeJet® tips.

Equipment Needed:

- TeeJet Calibration Container
- Calculator
- TeeJet Cleaning Brush
- One new TeeJet Spray Tip matched to the nozzles on your sprayer
- Stopwatch or wristwatch with second hand

Step 1



Check Your Tractor/Sprayer Speed!

Knowing your real sprayer speed is an essential part of accurate spraying. Speedometer readings and some electronic measurement devices can be inaccurate because of wheel slippage. Check the time required to move over a 100- or 200-foot strip on your field. Fence posts can serve as permanent markers. The starting post should be far enough away to permit your tractor/sprayer to reach desired spraying speed. Hold that speed as you travel between the "start" and "end" markers. Most accurate measurement will be obtained with the spray tank half full. Refer to the table on page 173 to calculate your real speed. When the correct throttle and gear settings are identified, mark your tachometer or speedometer to help you control this vital part of accurate chemical application.

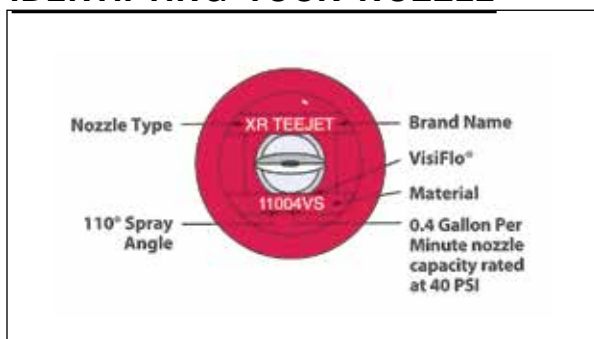
Step 2

$$A = \frac{B+C}{D}$$

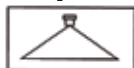
The Inputs

Before spraying, record the following:	EXAMPLE
Nozzle type on your sprayer..... (All nozzles must be identical)	TT11004 Flat Spray Tip
Recommended application volume20 GPA
(From manufacturer's label)	
Measured sprayer speed6 MPH
Nozzle spacing.....	.20 Inches

IDENTIFYING YOUR NOZZLE



Step 3



Calculating Required Nozzle Output

Determine GPM nozzle output from formula.

FORMULA: $GPM = \frac{GPA \times MPH \times W}{5,940 \text{ (constant)}}$

EXAMPLE: $GPM = \frac{20 \times 6 \times 20}{5,940} = \frac{2,400}{5,940}$

ANSWER: 0.404 GPM

Step 4



Setting the Correct Pressure

Turn on your sprayer and check for leaks or blockage. Inspect and clean, if necessary, all tips and strainers with TeeJet brush. Replace one tip and strainer **with an identical new tip and strainer** on sprayer boom.

Check appropriate tip selection table and determine the pressure required to deliver the nozzle output calculated from the formula in Step 3 for your new tip. Since all of the tabulations are based on spraying water, conversion factors must be used when spraying solutions that are heavier or lighter than water (see page 174).

Example: (Using above inputs) refer to TeeJet table on page 9 for TT11004 flat spray tip. The table shows that this nozzle delivers 0.40 GPM at 40 PSI.

Turn on your sprayer and adjust pressure. **Collect and measure the volume of the spray from the new tip for one minute in the collection jar.** Fine tune the pressure until you collect .40 GPM.

You have now adjusted your sprayer to the proper pressure. It will properly deliver the application rate specified by the chemical manufacturer at your measured sprayer speed.

Step 5



Checking Your System

Problem Diagnosis: Now, check the flow rate of a few tips on each boom section. If the flow rate of any tip is 10 percent greater or less than that of the newly installed spray tip, recheck the output of that tip. If only one tip is faulty, replace with new tip and strainer and your system is ready for spraying. However, if a second tip is defective, **replace all tips on the entire boom.** This may sound unrealistic, but two worn tips on a boom are ample indication of tip wear problems. Replacing only a couple of worn tips invites potentially serious application problems.



Banding and Directed Applications

The only difference between the above procedure and calibrating for banding or directed applications is the input value used for "W" in the formula in Step 3.

For single nozzle banding or boomless applications:
 $W =$ Sprayed band width or swath width (in inches).

For multiple nozzle directed applications:
 $W =$ Row spacing (in inches) divided by the number of nozzles per row.

Broadcast & Fertilizer

SPRAY TIPS & DROPLET SIZE*	HERBICIDES		FUNGICIDES		INSECTICIDES		
	SOIL APPLIED	POST-EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
		CONTACT	SYSTEMIC				
 AccuPulse TwinJet⁺ APTJ	EXCELLENT		EXCELLENT				
 Turbo TeeJet⁺ TT		EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
 AIXR TeeJet⁺ AIXR	VERY GOOD	EXCELLENT	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT
 Air Induction TeeJet⁺ AI & AIC	VERY GOOD		EXCELLENT		GOOD		VERY GOOD
 Turbo TeeJet Induction TTI	EXCELLENT		EXCELLENT				
 TTI TwinJet⁺ TTI60	EXCELLENT		EXCELLENT				
 XR, XRC TeeJet⁺ XR & XRC		VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
 Turbo TwinJet⁺ TTJ60	GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
 AI Turbo TwinJet⁺ AITTJ60	VERY GOOD	VERY GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
 AI3070⁺ AI3070				EXCELLENT	VERY GOOD		
 StreamJet SJ3 & SJ3-VR							
 StreamJet SJ7A & SJ7A-VR							
 StreamJet PTC-VR & QJ-VR							
 StreamJet SOLID STREAM							

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations. Droplet size categories shown are based on ISO 25358.
 *(XF) Extremely Fine, (VF) Very Fine, (F) Fine, (M) Medium, (C) Coarse, (VC) Very Coarse, (XC) Extremely Coarse, (UC) Ultra Coarse

Broadcast & Fertilizer

FERTILIZER		DRIFT CONTROL	PWM APPROVED
BROADCAST	DIRECTED		
EXCELLENT		EXCELLENT	✓
EXCELLENT		GOOD	✓
		VERY GOOD	
VERY GOOD		EXCELLENT	
EXCELLENT		EXCELLENT	✓
EXCELLENT		EXCELLENT	✓
		GOOD	✓
		VERY GOOD	✓
		EXCELLENT	✓
		VERY GOOD	
EXCELLENT		EXCELLENT	
EXCELLENT		EXCELLENT	
	EXCELLENT	EXCELLENT	
	EXCELLENT	EXCELLENT	

LIQUID FERTILIZER APPLICATION

Just as in applying crop protection products, the proper application of liquid fertilizer is important. Delivering nutrients to the crop in a timely and effective manner while minimizing crop damage is essential. TeeJet Technologies offers an extensive selection of spray tips specifically designed to maximize the performance of your liquid fertilizer application.

Solid stream nozzles, offered in both single and multiple-stream versions, are designed to deliver fertilizer to the soil surface where it can be effectively utilized by the crop. By creating solid liquid streams, these tips greatly reduce foliar coverage in standing crop in order to minimize leaf burn. TeeJet Technologies StreamJet tips provide the ideal blend of compact, reliable design, ease of installation and affordable pricing.

In some cases, the use of a broadcast nozzle for fertilizer application may be desirable. This could include combined fertilizer/pesticide applications, foliar feeding or broadcast liquid fertilization of bare ground. For these applications TeeJet Technologies offers a wide variety of low drift, flat spray tips.

LIQUID DENSITY CONVERSION

When selecting a specific capacity tip for liquid fertilizer application, always correct for liquid density. Application charts shown in this catalog are based on spraying water. Many fertilizer solutions are denser than water, which will affect the application rate.



EXAMPLE

Desired application rate is 20 GPA of 28% Nitrogen. Determine the correct nozzle size as follows:













$$\text{GPA (liquid other than water)} \times \text{Conversion Factor} = \text{GPA}^*$$

$$20 \text{ GPA (28\%)} \times 1.13 = 22.6 \text{ GPA (water)}$$

The applicator should choose a tip size that will supply 22.6 GPA of water at the desired pressure.

*From table in catalog.



		HERBICIDES		FUNGICIDES		INSECTICIDES		
		SOIL APPLIED	POST-EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
			CONTACT	SYSTEMIC				
BANDING	 <i>XE TeeJet</i>	EXCELLENT		EXCELLENT		GOOD		GOOD
	 <i>AI TeeJet^{EVEN}</i>	VERY GOOD		EXCELLENT		GOOD		VERY GOOD
	 <i>TeeJet^{EVEN}</i>	EXCELLENT	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
	 <i>TwinJet^{EVEN}</i>		VERY GOOD		VERY GOOD		VERY GOOD	
DIRECTED SPRAYING	 <i>AI TeeJet^{EVEN}</i>	VERY GOOD		EXCELLENT		EXCELLENT		EXCELLENT
	 <i>TeeJet^{EVEN}</i>	EXCELLENT	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
	 <i>TwinJet^{EVEN}</i>		VERY GOOD		VERY GOOD		VERY GOOD	
	 <i>AIUB TeeJet</i>		GOOD	EXCELLENT				GOOD
	 <i>ConeJet</i>				EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
AIR BLAST	 <i>TXR ConeJet</i>				EXCELLENT	GOOD	EXCELLENT	GOOD
	 <i>AITX ConeJet</i>		GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT
	 <i>Disc-Core</i>				EXCELLENT	GOOD	EXCELLENT	GOOD

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.

20" Tip Spacing - Droplet Size Data Based on ISO 25358 Standard

Tip	PSI	GPA										GPM	20"																
		15-60 PSI											20-100 PSI																
		15-60 PSI	15-90 PSI	20-90 PSI	15-90 PSI	20-90 PSI	20-90 PSI	30-115 PSI	20-100 PSI	15-100 PSI	UC		4 mph	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph					
015 AI AIC AIXR AI3070 TT TTI XR XRC (100)	20	F	VC	—	VC	XC	—	—	—	UC	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8	1.6						
	02 AI AIC AIXR TT TTI TT160 XR XRC (50)	20	M	VC	C	VC	XC	XC	—	UC	0.14	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5	3.0	2.6	2.3	2.1						
		025 AI AIC AIXR TT TTI TT160 XR XRC (50)	20	M	VC	VC	VC	XC	XC	—	UC	0.18	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.5	3.8	3.3	3.0	2.7					
			03 AI AIC AIXR AITTJ60 AI3070 TT TTI TT160 XR XRC (50)	20	M	VC	VC	VC	XC	XC	—	UC	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5	3.1				
				04 AI AIC AITTJ60 AIXR AI3070 TT TTI TT160 TTJ60 XR XRC (50)	20	M	VC	VC	VC	XC	XC	—	UC	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2			
					05 AI AIC AITTJ60 AIXR AI3070 TT TTI TT160 TTJ60 XR XRC (50)	20	M	VC	VC	XC	UC	UC	—	UC	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2		
						06 AI AIC AITTJ60 AIXR TT TTI TT160 TTJ60 XR XRC (50)	20	M	VC	VC	XC	—	UC	—	UC	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9	6.2	
							08 AI AIC AITTJ60 AIXR TT TTI TT160 TTJ60 XR XRC (50)	20	M	VC	VC	XC	—	UC	—	UC	0.57	42	34	28	24	21	18.8	16.9	14.1	12.1	10.6	9.4	8.5
								10 AITTJ60 TTJ60 (50) AIC AIXR TT TTI XR XRC	20	C	XC	VC	UC	—	UC	—	UC	0.71	53	42	35	30	26	23	21	18	15	13	12

SPRAY TTPS

EXTREMELY FINE (XF)	VERY FINE (VF)	FINE (F)	MEDIUM (M)	COARSE (C)	VERY COARSE (VC)	EXTREMELY COARSE (XC)	ULTRA COARSE (UC)

			GPA Conversion
80°	20"	15°	1.33
110°	20"	30°	0.67

Call for information if part numbers are not listed (-)

1-888-937-7278

Westward has the part!



DYNAJET PWM APPLICATION RATE CHARTS FOR SYSTEMS EQUIPPED WITH 115880 DYNAJET VALVES



15" TIP SPACING

TIP SIZE	GAUGE PRESSURE (PSI)	30% MINIMUM DUTY CYCLE							SPEED RANGE (MPH)																									
		T160	XR/XRC	TT	TT160	AITT160	TT160	TTI	APTJ *	5 GPA		7.5 GPA		10 GPA		12 GPA		15 GPA		17.5 GPA		20 GPA		25 GPA		30 GPA								
										MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
11001	20		F	C						1.7	6	1.1	4	0.8	3	0.7	2	0.6	1.8	0.5	1.6	0.4	1.4	0.3	1.1	0.3	0.9							
	110015	20		F	VC				UC	UC	3	9	1.7	6	1.3	4	1.1	4	0.9	3	0.7	2	0.7	2	0.5	1.7	0.4	1.5						
		11002	20		M	VC	C	XC	UC	UC	UC	3	11	2	7	1.7	6	1.4	5	1.1	4	1.0	3	0.8	3	0.7	2	0.6	1.8					
			11025	20		M	VC	C	XC	UC	UC	UC	4	14	3	10	2	7	1.8	6	1.4	5	1.2	4	1.1	4	0.9	3	0.7	2				
				11003	20		M	VC	C	XC	UC	UC	UC	5	17	3	11	2	8	2	7	1.7	6	1.4	5	1.2	4	1.0	3	0.8	3			
					11004	20		M	VC	C	XC	UC	UC	UC	6	21	4	14	3	11	3	9	2	7	1.8	6	1.5	5	1.2	4	1.0	3		
						11005	20		M	VC	C	XC	UC	UC	UC	8	27	5	18	4	13	3	11	3	9	2	8	2	7	1.6	5	1.3	4	
							11006	20		M	VC	C	XC	UC	UC	UC	10	32	6	22	5	16	4	14	3	11	3	9	2	8	2	6	1.6	5
								11008	20		C	XC			UC	UC	UC	12	40	8	26	6	20	5	17	4	13	3	11	3	10	2	8	2
11010									30		C	XC			UC	UC	UC	17	55	11	37	8	28	7	23	6	18	5	16	4	14	3	11	3
	11012								30		UC				UC	UC	UC	17	55	11	37	8	28	7	23	6	18	5	16	4	14	3	12	3

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. PWM Duty Cycle of 30–100%. PWM Gauge pressures shown may differ when using other brand PWM control systems and different solenoid models. *Refer to data sheet DS116905M for AccuPulse (APTJ) application rate information droplet size specifications shown are in accordance with ISO 25358 standard TeeJet DynaJet application chart (v. 3.3A), 115880 – DSM 4.20.21

ACCUPULSE TWINJET - TWIN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT



PWM APPROVED



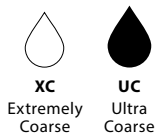
FEATURES

- Specifically designed for use on sprayers equipped with Pulse Width Modulation (PWM) spray tip control.
- Can also be used for non-PWM applications, where maximum drift control is desired.
- Non-air induction Twin spray tip, that produces highly drift-resistant droplets (XC and UC).
- Patent-pending recirculating design and concave exit orifice geometry provide optimal spray performance.
- Twin spray pattern allows for improved coverage and canopy penetration.
- Compact design fits into tight boom spaces and is less likely to be damaged during field use.
- Available in ten VisiFlo® Polymer (VP) capacities.
- Optimal for burndown, pre-emerge, and post-emerge systemic applications.
- Automatic spray alignment with Quick TeeJet® cap and gasket 114441A-*-CELR (01 to 08) or 114502A-*-CELR (10 and 12).

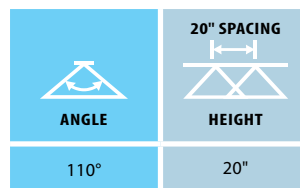
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

A P T J - 1 1 0 0 4 V P

Tip Type

Spray Angle

Capacity Size

Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet® cap and gasket*

A P T J - 1 1 0 0 4 V P - C E

Tip Type

Spray Angle

Capacity Size

Material Code

Cap and Gasket Included

SPRAY TIPS

TURBO TEEJET - WIDE ANGLE FLAT SPRAY

Typical Applications



HERBICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
GOOD



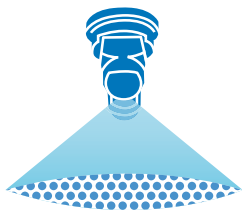
PWM APPROVED



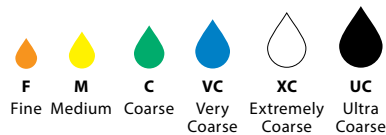
FEATURES

- Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying.
- 15° attack angle for better canopy penetration.
- Available in polymer and ceramic for more flexibility on the choice according to different pesticide formulation.
- Large, rounded internal passage to minimize clogging.
- Polymer material used on the TT-VP provides a good wear life and acid resistance.
- The TT-VK polypropylene body provides excellent acid resistance and the ceramic pre- and exit orifice offers improved wear life.
- Unique internal configuration means substantially longer wear life.
- Available in eleven VisiFlo® Polymer (VP) and nine VisiFlo ceramic (VK) capacities.
- Automatic spray alignment with Quick TeeJet® cap and gasket 114441A-*-CELR (01 to 08) or 114502A-*-CELR (10 and 12).

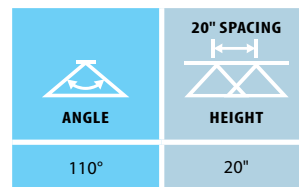
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



15-90 PSI

MATERIALS AVAILABLE



POLYMER



CERAMIC

HOW TO ORDER

Polymer with VisiFlo color-coding

TT11001-VP

Tip Type	Spray Angle	Capacity Size	Material Code
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Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket*

TT11002-VP-CE

Tip Type	Spray Angle	Capacity Size	Material Code	Cap and Gasket Included
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SPRAY TIPS

AIXR TEEJET - AIR INDUCTION XR FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
VERY GOOD
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



FUNGICIDE
CONTACT
GOOD
SYSTEMIC
VERY GOOD



INSECTICIDE
CONTACT
VERY GOOD
SYSTEMIC
EXCELLENT



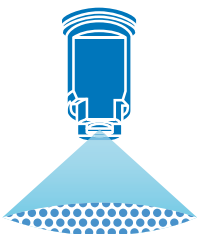
DRIFT CONTROL
VERY GOOD



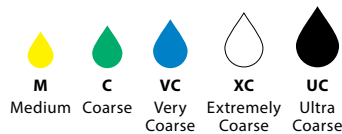
FEATURES

- Tapered edge flat spray angle pattern with air induction technology offers better drift management.
- Produces large air-filled droplets through a Venturi air aspirator.
- Unique UHMWPE polymer material used on the AIXR-VP adds improved wear life and better acid resistance.
- The AIXR-VK polypropylene body provides excellent acid resistance, and the ceramic pre- and exit orifice offers improved wear life.
- Compact size to prevent tip damage.
- Removable pre-orifice.
- Available in nine VisiFlo® Polymer (VP) and seven VisiFlo ceramic (VK) capacities.
- Automatic spray alignment with Quick TeeJet® cap and gasket 114441A-*-CELR (015 to 06) or 114443A-*-CELR (08 and 10).



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

 ANGLE	 20" SPACING HEIGHT
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

A I X R 1 1 0 0 4 V P

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket*

A I X R 1 1 0 0 3 V P - C E

Tip Type Spray Angle Capacity Size Material Code Cap and Gasket Included

SPRAY TIPS

AIXR TEEJET - AIR INDUCTION XR FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING														
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.						
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH			
AIXR110015 (100)	15	VC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13			
	20	VC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15			
	30	C	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18			
	40	C	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20			
	50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	60	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24			
	75	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29			
90	M	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31				
AIXR11002 (50)	15	XC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16			
	20	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19			
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	40	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27			
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30			
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33			
	75	M	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37			
90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
AIXR110025 (50)	15	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20			
	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24			
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30			
	40	C	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34			
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38			
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42			
	75	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46			
90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52				
AIXR11003 (50)	15	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24			
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29			
	30	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35			
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41			
	50	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46			
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50			
	75	M	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56			
90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
AIXR11004 (50)	15	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33			
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38			
	30	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48			
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54			
	50	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61			
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67			
	75	M	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75			
90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
AIXR11005 (50)	15	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42			
	20	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48			
	30	VC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58			
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68			
	50	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76			
	60	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83			
	75	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92			
90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
AIXR11006 (50)	15	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50			
	20	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57			
	30	VC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71			
	40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82			
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91			
	60	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99			
	75	C	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1			
90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2				
AIXR11008 (50)	15	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67			
	20	XC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78			
	30	XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94			
	40	VC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1			
	50	VC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2			
	60	VC	0.98	125	72	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3			
	75	C	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5			
90	C	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6				
AIXR11010	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83			
	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97			
	30	XC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2			
	40	VC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4			
	50	VC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5			
	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7			
	75	VC	1.37	175	102	81	68	51	41	34	27	20	4.7	3.1	2.3	1.9			
90	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F.

AI TEEJET - AIR INDUCTION FLAT SPRAY

Typical Applications



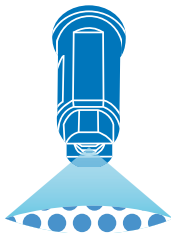
HERBICIDE SOIL APPLIED VERY GOOD SYSTEMIC EXCELLENT	FUNGICIDE SYSTEMIC GOOD	INSECTICIDE SYSTEMIC VERY GOOD	FERTILIZER BROADCAST VERY GOOD	DRIFT CONTROL EXCELLENT
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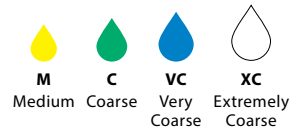
FEATURES

- Stainless steel insert produces a tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- Air induction spray tip, producing large air-filled droplets through the use of a Venturi air aspirator more resistant to drift.
- Available in 80° or 110° spray angles with a Polymer insert holder and pre-orifice with VisiFlo® color-coding.
- Available in eight 110° versions, and seven 80° versions.
- Automatic spray alignment with 114443A-*CELR Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	HEIGHT
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Stainless Steel with VisiFlo color-coding

A 1 1 0 0 4 - V S

Tip Type Spray Angle Capacity Size Material Code

Stainless Steel with VisiFlo color-coding

A 1 8 0 0 4 V S

Tip Type Spray Angle Capacity Size Material Code

SPRAY TIPS

AI TEEJET - AIR INDUCTION FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
		80°	110°			GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
AI80015 AI110015 (100)	30	XC	XC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40	XC	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	VC	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	60	VC	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	70	VC	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	80	C	C	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	90	C	C	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31				
AI8002 AI11002 (50)	30	XC	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	XC	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	VC	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	VC	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	70	VC	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	80	VC	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	90	C	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
AI80025 AI110025 (50)	30	XC	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	XC	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	VC	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	60	VC	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	70	VC	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45				
	80	VC	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	90	C	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52				
AI8003 AI11003 (50)	30	XC	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	XC	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	VC	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	VC	VC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	70	VC	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	VC	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	90	C	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
AI8004 AI11004 (50)	30	XC	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	XC	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	VC	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	VC	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	VC	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72				
	80	VC	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	90	C	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
AI8005 AI11005 (50)	30	XC	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	XC	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	VC	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	VC	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	VC	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
	80	VC	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	90	C	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
AI8006 AI11006 (50)	30	XC	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	40	XC	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	VC	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	VC	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	70	VC	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	80	VC	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2				
	90	VC	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2				
AI11008 (50)	30		XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	40		XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
	50		VC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60		VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
	70		VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	80		VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5				
	90		VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6				

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F.

AIC TEEJET - AIR INDUCTION FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
VERY GOOD
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
GOOD



INSECTICIDE
SYSTEMIC
VERY GOOD



FERTILIZER
BROADCAST
VERY GOOD



DRIFT CONTROL
EXCELLENT



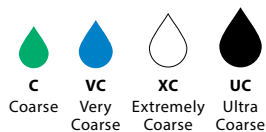
FEATURES

- Produces a 110° tapered edge flat spray pattern for uniform coverage in broadcast spraying applications.
- Air induction spray tip, producing large air-filled droplets through the use of a Venturi air aspirator more resistant to drift.
- AI TeeJet nozzle molded into Quick TeeJet® cap provides automatic spray alignment.
- Available with a polymer insert holder with stainless steel (015–15 capacities), ceramic (025–05 capacities) or polymer (02–10 capacities) inserts.
- Includes tightly fitting gasket that stays put and assures a good seal.

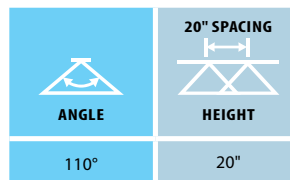
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



30–115 PSI

MATERIALS AVAILABLE

- VS** STAINLESS STEEL
- VP** POLYMER
- VK** CERAMIC

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding

A I C 1 1 0 0 4 - V S

Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

A I C 1 1 0 0 3 - V K

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding

A I C 1 1 0 0 3 - V P

Tip Type Spray Angle Capacity Size Material Code

SPRAY TIPS

TURBO TEEJET INDUCTION - FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT



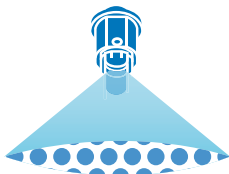
PWM APPROVED



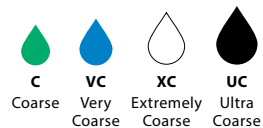
FEATURES

- 110° wide angle, air induction, tapered flat spray tip pattern based on the patented outlet orifice design of the original Turbo TeeJet® nozzle.
- Provides excellent drift control and produces less than 2% of driftable fines.
- Patented orifice design provides large, round passages to minimize plugging and improved wear life.
- Depending on the chemical, produces large air-filled droplets through a Venturi air aspirator resulting in less drift.
- Compact size to prevent tip damage.
- Removable pre-orifice.
- Available in nine VisiFlo® Polymer (VP) capacities.
- Automatic spray alignment with Quick TeeJet cap and gasket 115835A-* CELR (015-06), or 114502A (08-10). The 115835A exclusive cap allows for straight through assembly, no need to rotate 90° to insert into the cap.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	HEIGHT
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

T T I 1 1 0 0 4 - V P

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet® cap and gasket*

T T I 1 1 0 0 3 - V P - C E

Tip Type Spray Angle Capacity Size Material Code Cap and Gasket Included

SPRAY TIPS

TTI TWINJET - TWIN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT



PWM APPROVED

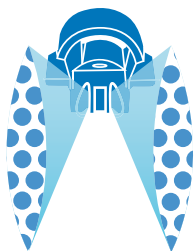


FEATURES

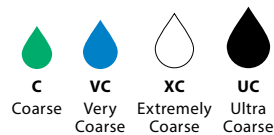
- TTI60 produces two 110° wide angle, flat spray patterns for uniform coverage in broadcast applications.
- Extremely large drift resistant droplets are produced through the use of a venturi air aspirator.
- Provides excellent drift control and produces minimal driftable fines—less than 1.5%*.
- 60° angle between leading and trailing patterns for increased canopy penetration and leaf coverage.
- All in one molded nozzle and Quick TeeJet® cap design provides automatic spray alignment.
- Removable pre-orifice allows for disassembly and cleaning.
- Available in seven VisiFlo® Polymer (VP) capacities.

*-04 capacity spraying water at 40 PSI. Driftable fines defined as droplets smaller than 150 microns.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	20" SPACING HEIGHT
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

TTI60-11004VP

Tip Type	Spray Angle	Capacity Size	Material Code
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SPRAY TIPS

TTI TWINJET - TWIN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING													
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.					
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH		
TTI60-11002VP (50)	20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19		
	30	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	50	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	60	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33		
	70	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	90	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
100	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44			
TTI60-110025VP (50)	20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24		
	30	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	40	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	50	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	60	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42		
	70	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45		
	80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52		
100	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54			
TTI60-11003VP (50)	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29		
	30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46		
	60	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50		
	70	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	90	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
100	VC	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64			
TTI60-11004VP (50)	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
	60	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67		
	70	VC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72		
	80	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
	90	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
100	VC	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86			
TTI60-11005VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58		
	40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68		
	50	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76		
	60	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83		
	70	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90		
	80	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
	90	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0		
100	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1			
TTI60-11006VP (50)	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71		
	40	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
	50	XC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91		
	60	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99		
	70	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1		
	80	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2		
	90	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2		
100	VC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3			
TTI60-11008VP (50)	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94		
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09		
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2		
	60	XC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3		
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4		
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5		
	90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6		
100	VC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7			

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

Call for information if part numbers are not listed (-)

1-888-937-7278

Westward has the part!

XR TEEJET - EXTENDED RANGE FLAT SPRAY

Typical Applications

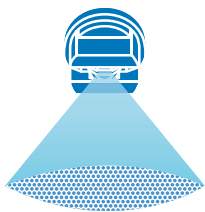
HERBICIDE	FUNGICIDE	INSECTICIDE	DRIFT CONTROL	PWM APPROVED
CONTACT	CONTACT	CONTACT		
VERY GOOD	EXCELLENT	EXCELLENT	GOOD	
SYSTEMIC	SYSTEMIC	SYSTEMIC		
GOOD	GOOD	GOOD		



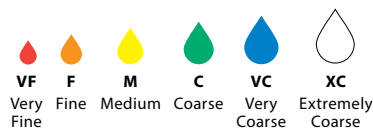
FEATURES

- Tapered edge flat spray angle pattern for uniform coverage in broadcast spray application.
- Reduces drift at lower pressures, better coverage at higher pressures.
- Ceramic is available with corrosive resistant polypropylene VisiFlo color-coded tip holder in 80° capacities 03–08 and 110° capacities 02–08.
- XR110025 only available in VK.
- XR80025 and XR80035 only available in VS.
- Brass available in 110° only.
- Automatic spray alignment with 114441A-*-CELR (01 to 08) or 114443A-*-CELR (10 and 15) Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	20" SPACING HEIGHT
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

- VS** STAINLESS STEEL
- VP** POLYMER
- VK** CERAMIC
- VB** BRASS
- SS** STAINLESS STEEL

HOW TO ORDER

Ceramic with VisiFlo® color-coding

X R 1 1 0 0 4 - V K

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket*

X R 1 1 0 0 2 - V P - C E

Tip Type Spray Angle Capacity Size Material Code Cap and Gasket Included

SPRAY TIPS

XR TEEJET - EXTENDED RANGE FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING												TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		80°	110°			GALLONS PER ACRE (GPA)															
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
XR8001 XR11001 (100)	15	F	F	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08				
	20	F	F	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10				
	30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12				
	40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14				
	50	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
60	F	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16					
XR80015 XR110015 (100)	15	M	M	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13				
	20	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24					
XR8002 XR11002 (50)	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
	20	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33					
XR80025 XR110025 (50)	15	M	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	20	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42					
XR8003 XR11003 (50)	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50					
XR80035 (50)	15	M		0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	20	M		0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	30	M		0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	40	M		0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	50	F		0.39	50	29	23	19.3	14.5	11.6	9.7	7.7	5.8	1.3	0.88	0.66	0.53				
60	F		0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58					
XR8004 XR11004 (50)	15	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.0	0.63	0.48	0.38				
	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67					
XR8005 XR11005 (50)	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	20	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83					
XR8006 XR11006 (50)	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	20	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99					
XR8008 XR11008 (50)	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	20	C	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3					
XR8010† XR11010†	15	VC	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	20	C	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7					
XR8015† XR11015†	15	XC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3				
	20	VC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8				
	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				
	50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3				
60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5					

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

SPRAY TIPS

XRC TEEJET - EXTENDED RANGE FLAT SPRAY

Typical Applications



HERBICIDE
CONTACT
VERY GOOD
SYSTEMIC
GOOD



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



DRIFT CONTROL
GOOD



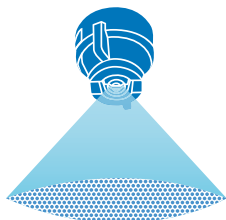
PWM APPROVED



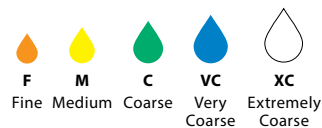
FEATURES

- Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- Reduces drift at lower pressures, improves coverage at higher pressures.
- Various XR orifice materials are permanently assembled into reinforced nylon Quick TeeJet caps, providing reliable XR performance, convenient installation, and automatic pattern alignment.
- Includes tightly fitting gasket that stays put and assures a good seal.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	20" SPACING HEIGHT
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

- VS** STAINLESS STEEL
- VP** POLYMER
- VK** CERAMIC

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding

X R C 1 1 0 0 4 - V S

Tip Type	Spray Angle	Capacity Size	Material Code
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Polymer with VisiFlo color-coding

X R C 1 1 0 0 4 - V P

Tip Type	Spray Angle	Capacity Size	Material Code
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Ceramic with VisiFlo color-coding

X R C 1 1 0 0 4 - V K

Tip Type	Spray Angle	Capacity Size	Material Code
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SPRAY TIPS

XRC TEEJET - EXTENDED RANGE FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
		80°	110°			GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
XRC80015 (100)	15	M	M	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
	20	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24	
XRC8002 XRC11002 (50)	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33	
XRC110025 (50)	15	M	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42	
XRC8003 XRC11003 (50)	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50	
XRC8004 XRC11004 (50)	15	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67	
XRC8005 XRC11005 (50)	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	20	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83	
XRC8006 XRC11006 (50)	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	20	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99	
XRC8008 XRC11008 (50)	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	20	C	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3	
XRC11010	15	VC	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	20	C	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7	
XRC11015	15	XC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3
	20	VC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
	50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5	
XRC11020	15		XC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
	20		VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9
	30		VC	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4
	40		C	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7
	50		C	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0
60		C	2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3	

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

SPRAY TIPS

TEEJET - VISIFLO FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
CONTACT
VERY GOOD
SYSTEMIC
GOOD



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
BROADCAST
EXCELLENT



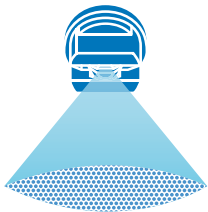
DRIFT CONTROL
GOOD



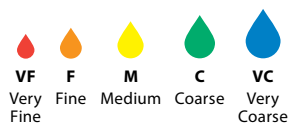
FEATURES

- Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- VisiFlo® color-coded version available in stainless steel, ceramic and polymer in 80° or 110° spray angles in selected sizes.
- Available in ceramic 80° capacities 01-02 and 110° capacities 01-015. See XR and XRC TeeJet® tips for larger capacities.
- Automatic spray alignment with 114441A-*-CELR (0065 to 08) or 114443A-*-CELR (10 to 20) Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	20" SPACING HEIGHT
65°	35"
80°	30"
110°	20"

MATERIALS AVAILABLE

- VS** STAINLESS STEEL
- VP** POLYMER
- HSS** HARDENED STAINLESS STEEL
- B** BRASS

RECOMMENDED PRESSURE RANGE



HOW TO ORDER

Stainless Steel with VisiFlo color-coding
T P 8 0 0 2 V S
 Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding
T P 1 1 0 0 2 V P
 Tip Type Spray Angle Capacity Size Material Code

Brass
T P 1 1 0 0 3
 Tip Type Spray Angle Capacity Size

SPRAY TIPS

TEEJET - VISIFLO FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING												TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		80°	110°			GALLONS PER ACRE (GPA)															
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TP650050†	30	F	VF	0.043	5.5	3.2	2.6	2.1	1.6	1.3	1.1	0.85	0.64	0.15	0.10	0.07	0.06				
TP800050†	35	F	VF	0.047	6.0	3.5	2.8	2.3	1.7	1.4	1.2	0.93	0.70	0.16	0.11	0.08	0.06				
TP1100050†	40	F	VF	0.050	6.4	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74	0.17	0.11	0.09	0.07				
	50	VF	VF	0.056	7.2	4.2	3.3	2.8	2.1	1.7	1.4	1.1	0.83	0.19	0.13	0.10	0.08				
	60	VF	VF	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08				
TP650067†	30	F	F	0.058	7.4	4.3	3.4	2.9	2.2	1.7	1.4	1.1	0.86	0.20	0.13	0.10	0.08				
TP800067†	35	F	VF	0.063	8.1	4.7	3.7	3.1	2.3	1.9	1.6	1.2	0.94	0.21	0.14	0.11	0.09				
TP1100067†	40	F	VF	0.067	8.6	5.0	4.0	3.3	2.5	2.0	1.7	1.3	0.99	0.23	0.15	0.11	0.09				
	50	VF	VF	0.075	9.6	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1	0.26	0.17	0.13	0.10				
	60	VF	VF	0.082	10	6.1	4.9	4.1	3.0	2.4	2.0	1.6	1.2	0.28	0.19	0.14	0.11				
TP6501†	30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12				
	35	F	F	0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13				
TP8001	40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14				
TP11001	50	F	VF	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
	60	VF	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
TP65015†	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	35	F	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
TP80015	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
TP110015	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
TP6502†	30	M	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	35	F	F	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26				
TP8002	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
TP11002	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
TP6503†	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	35	M	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
TP8003	40	M	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
TP11003	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
TP6504†	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	35	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
TP8004	40	M	F	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
TP11004	50	M	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
TP6505†	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	35	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64				
TP8005	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
TP11005	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	M	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
TP6506†	30	C	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	35	C	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
TP8006	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
TP11006	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
TP6508†	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	35	C	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
TP8008	40	C	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
TP11008	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
TP6510†	30	C	M	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	35	C	M	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3				
TP8010†	40	C	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
TP11010†	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7				
TP6515†	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8				
	35	C	C	1.40	179	104	83	69	52	42	35	28	21	4.8	3.2	2.4	1.9				
TP8015†	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				
TP11015†	50	C	M	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3				
	60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5				
TP6520†	30	VC	VC	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4				
	35	C	VC	1.87	239	139	111	93	69	56	46	37	28	6.4	4.2	3.2	2.5				
TP8020†	40	C	C	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7				
TP11020†	50	C	C	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0				
	60	C	C	2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3				

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

SPRAY TIPS

DG TEEJET - DRIFT GUARD FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
VERY GOOD
CONTACT
EXCELLENT
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
EXCELLENT



INSECTICIDE
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
GOOD



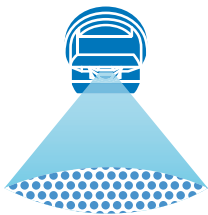
PWM APPROVED



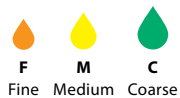
FEATURES

- Pre-orifice design produces larger droplets and reduces the small drift-prone droplets, minimizing off-target spray contamination.
- Tapered edge flat spray pattern provides uniform coverage when adjacent nozzle patterns are overlapped in broadcast spraying.
- The color-coded pre-orifice is removable for any necessary cleaning operations.
- Available in five Visiflo® Stainless Steel (VS) and Visiflo Polymer (VP) capacities.
- Automatic spray alignment with 114441A-*-CELR Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

20" SPACING	
ANGLE	HEIGHT
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



30-60 PSI

MATERIALS AVAILABLE



HOW TO ORDER

Stainless Steel with VisiFlo color-coding

D G 8 0 0 2 V S

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding

D G 1 1 0 0 2 - V P

Tip Type Spray Angle Capacity Size Material Code

SPRAY TIPS

DG TEEJET - DRIFT GUARD FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
		80°	110°			GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
DG80015† DG110015 (100)	30	M	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	35	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	40	F	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
DG8002† DG11002 (50)	30	C	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	M	C	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
	40	M	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
DG8003† DG11003 (50)	30	C	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	M	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	40	M	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
DG8004† DG11004 (50)	30	C	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	M	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
DG8005† DG11005 (50)	30	C	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	35	C	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
	40	C	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	M	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.



SPRAY TIPS

TURBO TWINJET - TWIN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
GOOD
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



DRIFT CONTROL
VERY GOOD



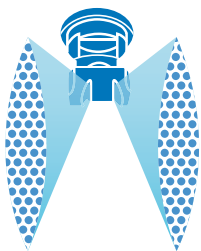
PWM APPROVED



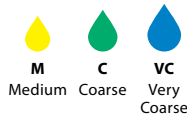
FEATURES

- Dual outlet design produces two 110° flat fan spray patterns using the patented technology from the Turbo TeeJet® nozzle. The angle between each spray pattern is 60° forward and back.
- Best suited for broadcast spraying where superior leaf coverage and canopy penetration is important.
- Droplet size range is slightly larger than the same capacity Turbo TeeJet nozzle providing drift-reducing properties with increased canopy coverage and penetration.
- Available in eight VisiFlo® Polymer (VP) capacities.
- For replacement, use the automatic alignment Quick TeeJet cap and gasket 114441A-*-CELR.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	HEIGHT
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

T T J 6 0 - 1 1 0 0 4 V P

Tip Type

Spray Angle

Capacity Size

Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket*

T T J 6 0 - 1 1 0 0 3 V P - C E

Tip Type

Spray Angle

Capacity Size

Material Code

Cap and Gasket Included

SPRAY TIPS

TURBO TWINJET - TWIN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING													
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.					
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH		
TTJ60-11002 (100)	20	C	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19		
	30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33		
	70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41			
TTJ60-110025 (100)	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24		
	30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	40	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42		
	70	M	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45		
	80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52			
TTJ60-11003 (100)	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29		
	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46		
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50		
	70	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	80	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61			
TTJ60-11004 (50)	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67		
	70	M	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72		
	80	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82			
TTJ60-11005 (50)	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58		
	40	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68		
	50	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76		
	60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83		
	70	M	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90		
	80	M	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0			
TTJ60-11006 (50)	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71		
	40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91		
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99		
	70	M	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1		
	80	M	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2		
90	M	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2			
TTJ60-11008 (50)	20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94		
	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09		
	50	C	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2		
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3		
	70	M	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4		
	80	M	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5		
90	M	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6			
TTJ60-11010 (50)	20	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
	30	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2		
	40	C	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4		
	50	C	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5		
	60	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7		
	70	M	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8		
	80	M	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9		
90	M	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0			

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

AIR INDUCTION TURBO TWINJET - TWIN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
VERY GOOD
CONTACT
VERY GOOD
SYSTEMIC
EXCELLENT



FUNGICIDE
CONTACT
GOOD
SYSTEMIC
EXCELLENT



INSECTICIDE
CONTACT
GOOD
SYSTEMIC
EXCELLENT



DRIFT CONTROL
EXCELLENT



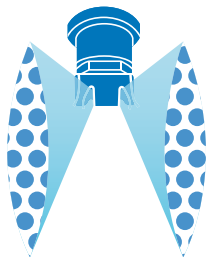
PWM APPROVED



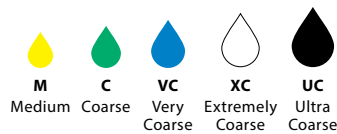
FEATURES

- Dual tapered edge spray tip with air-induction technology.
- The combination of the dual symmetric 110° flat fan pattern and the 60° angle between spray pattern in addition to the greater number of droplets results in a superior crop coverage and penetration, while providing excellent drift control.
- Available in nine VisiFlo® Polymer (VP) capacities.
- Automatic spray alignment with Quick TeeJet cap and gasket 114443A-*CELR (02 to 06) or 114502A-*CELR (08 to 15).

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	HEIGHT
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

A I T T J 6 0 - 1 1 0 0 4 V P

Tip Type

Spray Angle

Capacity Size

Material Code

Polymer with VisiFlo color-coding,

includes Quick TeeJet cap and gasket*

A I T T J 6 0 - 1 1 0 0 4 V P - C E

Tip Type

Spray Angle

Capacity Size

Material Code

Cap and Gasket Included

AIR INDUCTION TURBO TWINJET - TWIN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
AITTJ60-11002VP (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	70	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
AITTJ60-110025VP (100)	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45				
	80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52					
AITTJ60-11003VP (50)	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
AITTJ60-11004VP (50)	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72				
	80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
AITTJ60-11005VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
	80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0					
AITTJ60-11006VP (50)	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	30	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	70	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	80	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2				
90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2					
AITTJ60-11008VP (50)	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	30	XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09				
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5				
90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6					
AITTJ60-11010VP (50)	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	30	XC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7				
	70	VC	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8				
	80	VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9				
90	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0					
AITTJ60-11015VP (50)	20	UC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	30	XC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8				
	40	XC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				
	50	XC	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3				
	60	VC	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5				
	70	VC	1.98	253	147	118	98	74	59	49	39	29	6.7	4.5	3.4	2.7				
	80	VC	2.12	271	157	126	105	79	63	52	42	31	7.2	4.8	3.6	2.9				
90	VC	2.25	288	167	134	111	84	67	56	45	33	7.7	5.1	3.8	3.1					

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

SPRAY TIPS

AI3070 - AIR INDUCTION DUAL PATTERN FLAT SPRAY

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



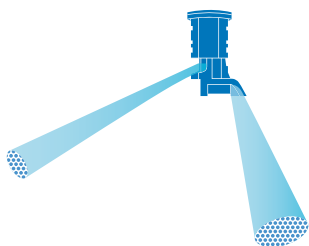
DRIFT CONTROL
VERY GOOD



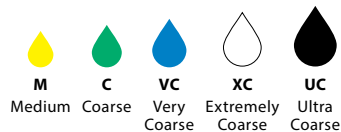
FEATURES

- Provides excellent penetration and seed head coverage for fungicide spraying on cereal crops.
- AI3070 produces two wide angle, flat spray patterns for uniform coverage in broadcast applications.
- 30° forward tilted spray penetrates dense crop canopies, while the backward tilted 70° spray maximizes coverage of the crop seed head.
- Drift resistant droplets are produced through the use of a Venturi air aspirator.
- Available in six VisiFlo® Polymer (VP) capacities.
- Due to the spray tip design, the boom height must be reduced when compared to other flat spray tips (see table below).
- Removable pre-orifice for fast and easy cleaning.
- Automatic spray alignment with Quick TeeJet cap and gasket 114502A-1-CELR or 98579-1-NYR.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	SPACING
12"	20"

RECOMMENDED PRESSURE RANGE



20-90 PSI

MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

A I 3 0 7 0 - 0 4 V P

Tip Type Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket*

A I 3 0 7 0 - 0 3 V P - C

Tip Type Capacity Size Material Code Cap and Gasket Included

SPRAY TIPS

AI3070 - AIR INDUCTION DUAL PATTERN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
AI3070-015VP (100)	20	XC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	VC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	C	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	70	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	80	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
AI3070-02VP (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
AI3070-025VP (100)	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
	80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
AI3070-03VP (50)	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
AI3070-04VP (50)	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
	80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
AI3070-05VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
	80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0	

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.



SPRAY TIPS

TWINJET - TWIN FLAT SPRAY

Typical Applications



HERBICIDE
CONTACT
EXCELLENT



FUNGICIDE
CONTACT
EXCELLENT



INSECTICIDE
CONTACT
EXCELLENT



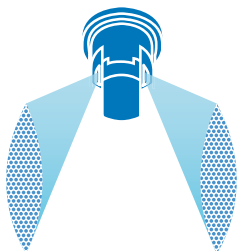
PWM
APPROVED



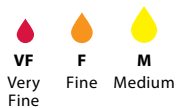
FEATURES

- Penetrates crop residue or dense foliage.
- Smaller droplets for thorough coverage.
- Better spray distribution along boom than with hollow cone nozzles.
- Available in stainless steel with VisiFlo® color-coding in 65°, 80° and 110° spray angles.
- Automatic spray alignment with 114443A-*CELR Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	20" SPACING HEIGHT
65°	35"
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

HOW TO ORDER

Stainless Steel with VisiFlo color-coding

T J 6 0 - 8 0 0 2 V S

Tip Type Spray Angle Capacity Size Material Code

SPRAY TIPS

TWINJET - TWIN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING												TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		80°	110°			GALLONS PER ACRE (GPA)															
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TJ60-6501 TJ60-8001 (100)	30	F		0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12				
	35	F		0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13				
	40	F		0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14				
	50	VF		0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
TJ60-650134 (100)	60	VF		0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
	30			0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
	35			0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40			0.134	17	9.9	8.0	6.6	5.0	4.0	3.3	2.7	2.0	0.46	0.30	0.23	0.18				
TJ60-6502 TJ60-8002 TJ60-11002 (100)	50			0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	60			0.16	20	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.54	0.36	0.27	0.22				
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	35	F	F	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26				
TJ60-6503 TJ60-8003 TJ60-11003 (100)	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	30	F	F	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
TJ60-6504 TJ60-8004 TJ60-11004 (50)	35	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
TJ60-8005 TJ60-11005 (50)	30	F	F	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	35	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	40	F	F	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
TJ60-6506 TJ60-8006 TJ60-11006 (50)	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	35	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.07	0.80	0.64				
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.13	0.85	0.68				
TJ60-6508 TJ60-8008 TJ60-11008 (50)	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.04	0.83				
	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	35	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
TJ60-8010 TJ60-11010 (50)	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	30	M	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
TJ60-8010 TJ60-11010 (50)	35	M	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
TJ60-8010 TJ60-11010 (50)	30	M	M	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	35	M	M	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3				
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7					

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.



SPRAY TIPS

DG TWINJET - DRIFT GUARD TWIN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
VERY GOOD
CONTACT
VERY GOOD
SYSTEMIC
VERY GOOD



FUNGICIDE
CONTACT
VERY GOOD
SYSTEMIC
EXCELLENT



INSECTICIDE
CONTACT
VERY GOOD
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
GOOD



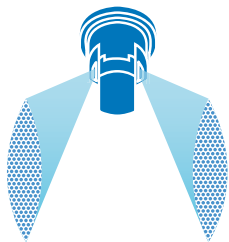
DRIFT CONTROL
GOOD



FEATURES

- Dual 110°, tapered edge, flat fan spray patterns spraying 60° forward to back providing better canopy coverage and penetration in broadcast spraying applications.
- DG TwinJet offers larger droplets and improved drift control compared to a standard twin flat spray tip of equal capacity.
- Removable polymer pre-orifice.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	20" SPACING HEIGHT
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding

D G T J 6 0 - 1 1 0 0 4 V S

Tip Type

Spray Angle

Capacity Size

Material Code

DG TWINJET - DRIFT GUARD TWIN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
DGTJ60-110015 (100)	30	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	35	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	40	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
DGTJ60-11002 (100)	30	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	M	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
DGTJ60-11003 (100)	30	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	40	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
DGTJ60-11004 (50)	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
DGTJ60-11006 (50)	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	35	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
DGTJ60-11008 (50)	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	35	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.



SPRAY TIPS

TURBO FLOODJET - WIDE ANGLE FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
VERY GOOD



FERTILIZER
BROADCAST
VERY GOOD



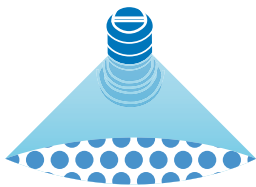
DRIFT CONTROL
EXCELLENT



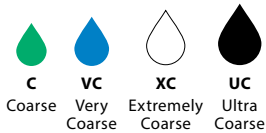
FEATURES

- Excellent spray distribution for uniform coverage along the boom.
- Spray tip design incorporates a pre-orifice to produce larger droplets for less drift.
- Large, round orifice reduces clogging.
- Available in seven VisiFlo® Stainless Steel (VS) and seven VisiFlo Polymer (VP) capacities.
- Can be used with 114445A*-CEL Quick TeeJet® cap and gasket for automatic alignment.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	SPACING
24"*	20"
30"*	30"
39"*	40"

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

VP POLYMER

HOW TO ORDER

Stainless Steel with VisiFlo color-coding

T F - V S 4
 | | |
 Tip Material Capacity
 Type Code Size

Polymer with VisiFlo color-coding

T F - V P 4
 | | |
 Tip Material Capacity
 Type Code Size

SPRAY TIPS

TURBO FLOODJET - WIDE ANGLE FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY TIP SPACING								APPLICATION RATE FOR 20" SPRAY TIP SPACING			
		VS	VP			GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
TF-12 (50)	10	UC	UC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	20	XC	XC	0.28	36	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.95	0.63	0.48	0.38
	30	VC	VC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	40	VC	C	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
TF-12.5 (50)	10	UC	UC	0.25	32	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9	0.85	0.57	0.43	0.34
	20	XC	XC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	30	VC	VC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
	40	VC	C	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
TF-13 (50)	10	UC	UC	0.30	38	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	1.0	0.68	0.51	0.41
	20	XC	XC	0.42	54	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	1.4	0.95	0.71	0.57
	30	XC	VC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
	40	VC	VC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
TF-14 (50)	10	UC	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	20	UC	UC	0.57	73	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2	1.9	1.3	0.97	0.78
	30	XC	XC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
	40	VC	VC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
TF-15	10	UC	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
	20	UC	UC	0.71	91	26	21	17.6	13.2	10.5	8.8	7.0	5.3	2.4	1.6	1.2	0.97
	30	XC	XC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
	40	VC	VC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
TF-17.5	10	UC	UC	0.75	96	28	22	18.6	13.9	11.1	9.3	7.4	5.6	2.6	1.7	1.3	1.0
	20	UC	UC	1.06	136	39	31	26	19.7	15.7	13.1	10.5	7.9	3.6	2.4	1.8	1.4
	30	XC	XC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
	40	VC	VC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
TF-110	10	UC	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
	20	UC	UC	1.41	180	52	42	35	26	21	17.4	14.0	10.5	4.8	3.2	2.4	1.9
	30	XC	XC	1.73	221	64	51	43	32	26	21	17.1	12.8	5.9	3.9	2.9	2.4
	40	VC	VC	2.00	256	74	59	50	37	30	25	19.8	14.9	6.8	4.5	3.4	2.7

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

QCT CAM LEVER COUPLING ADAPTER

- Provides easy changeover from high capacity to lower capacity nozzles.
- Adapter fits standard 3/4" cam lever coupling.
- Corrosion-resistant stainless steel and polypropylene construction.
- Rated up to 100 PSI.
- Use QJT-NYB to retrofit to Quick TeeJet.



QUICK TURBO FLOODJET - WIDE ANGLE FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED

EXCELLENT



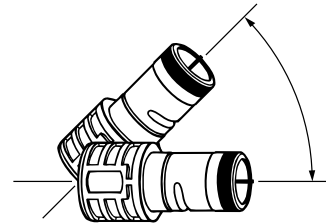
DRIFT CONTROL

EXCELLENT



FEATURES

- Turbulence chamber creates a dramatic improvement in pattern uniformity.
- Pre-orifice design produces larger droplets for reduced drift.
- Large, round orifice reduces clogging.
- 1.26" diameter tip body fits into 3/4" cam lever coupling.
- Grooved side molding for automatic alignment.



Nozzle can be mounted between 0° and 45°

OPTIMUM SPRAY HEIGHT*

HEIGHT	SPACING
40"	40"
60"	60"

*When nozzle is mounted parallel to the ground.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding

Q C T F - V S 4 0

Tip Type

Material Code

Capacity Size



SPRAY TIPS

QUICK TURBO FLOODJET - WIDE ANGLE FLAT SPRAY

TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 60" SPRAY TIP SPACING (60" TYPICAL SPACING FOR LARGE CAPACITY NOZZLES)										
			4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
QCTF-VS15	10	1.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3
	20	2.12	52	42	35	30	26	23	21	17.5	15.0	13.1	11.7
	30	2.60	64	51	43	37	32	29	26	21	18.4	16.1	14.3
	40	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
QCTF-VS20	10	2.00	50	40	33	28	25	22	19.8	16.5	14.1	12.4	11.0
	20	2.83	70	56	47	40	35	31	28	23	20	17.5	15.6
	30	3.46	86	69	57	49	43	38	34	29	24	21	19.0
	40	4.00	99	79	66	57	50	44	40	33	28	25	22
QCTF-VS30	10	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
	20	4.24	105	84	70	60	52	47	42	35	30	26	23
	30	5.20	129	103	86	74	64	57	51	43	37	32	29
	40	6.00	149	119	99	85	74	66	59	50	42	37	33
QCTF-VS40	10	4.00	99	79	66	57	50	44	40	33	28	25	22
	20	5.66	140	112	93	80	70	62	56	47	40	35	31
	30	6.93	172	137	114	98	86	76	69	57	49	43	38
	40	8.00	198	158	132	113	99	88	79	66	57	50	44
QCTF-VS50	10	5.00	124	99	83	71	62	55	50	41	35	31	28
	20	7.07	175	140	117	100	87	78	70	58	50	44	39
	30	8.66	214	171	143	122	107	95	86	71	61	54	48
	40	10.00	248	198	165	141	124	110	99	83	71	62	55
QCTF-VS60	10	6.00	149	119	99	85	74	66	59	50	42	37	33
	20	8.49	210	168	140	120	105	93	84	70	60	53	47
	30	10.4	257	206	172	147	129	114	103	86	74	64	57
	40	12.0	297	238	198	170	149	132	119	99	85	74	66
QCTF-VS80	10	8.00	198	158	132	113	99	88	79	66	57	50	44
	20	11.3	280	224	186	160	140	124	112	93	80	70	62
	30	13.9	344	275	229	197	172	153	138	115	98	86	76
	40	16.0	396	317	264	226	198	176	158	132	113	99	88
QCTF-VS100	10	10.0	248	198	165	141	124	110	99	83	71	62	55
	20	14.1	349	279	233	199	174	155	140	116	100	87	78
	30	17.3	428	343	285	245	214	190	171	143	122	107	95
	40	20.0	495	396	330	283	248	220	198	165	141	124	110
QCTF-VS120	10	12.0	297	238	198	170	149	132	119	99	85	74	66
	20	17.0	421	337	281	240	210	187	168	140	120	105	94
	30	20.8	515	412	343	294	257	229	206	172	147	129	114
	40	24.0	594	475	396	339	297	264	238	198	170	149	132

SPRAY TIPS

FLOODJET - WIDE ANGLE FLAT SPRAY

RECOMMENDED PRESSURE RANGE



10-40 PSI

MATERIALS AVAILABLE

- VS STAINLESS STEEL
- SS STAINLESS STEEL
- VP POLYMER
- B BRASS



TK-VP FloodJet



TK-VS FloodJet



(B)1/4K FloodJet
(1/8" - 1" NPT)



QCK
Quick FloodJet

TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 40° SPRAY TIP SPACING										
			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH			
1/8K-.50	10	0.050	—	—	—	—	—	—	—	—	—	—	—
TK-.50 (100)	20	0.071	2.6	2.1	1.8	1.3	1.1	0.88	0.70	0.53			
	30	0.087	3.2	2.6	2.2	1.6	1.3	1.1	0.86	0.65			
	40	0.10	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74			
1/8K-.75	10	0.075	2.8	2.2	1.9	1.4	1.1	0.93	0.74	0.56			
TK-.75 (100)	20	0.11	4.1	3.3	2.7	2.0	1.6	1.4	1.1	0.82			
	30	0.13	4.8	3.9	3.2	2.4	1.9	1.6	1.3	0.97			
	40	0.15	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1			
1/8K-1	10	0.10	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74			
	20	0.14	5.2	4.2	3.5	2.6	2.1	1.7	1.4	1.0			
TK-1 (100)	30	0.17	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3			
	40	0.20	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5			
1/8K-1.5	10	0.15	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1			
	20	0.21	7.8	6.2	5.2	3.9	3.1	2.6	2.1	1.6			
TK-1.5 (50)	30	0.26	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9			
	40	0.30	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2			
[1/8K, 1/4K, TK]-2	10	0.20	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5			
	20	0.28	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1			
TK-2 (50)	30	0.35	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6			
	40	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0			
[1/8K, 1/4K, TK]-2.5	10	0.25	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9			
	20	0.35	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6			
TK-2.5 (50)	30	0.43	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2			
	40	0.50	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7			
[1/8K, 1/4K, TK]-3	10	0.30	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2			
	20	0.42	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1			
[TK]-3 (50)	30	0.52	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9			
	40	0.60	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5			
[1/8K, TK]-4 (50)	10	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0			
	20	0.57	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2			
TK-4 (50)	30	0.69	26	20	17.1	12.8	10.2	8.5	6.8	5.1			
	40	0.80	30	24	19.8	14.9	11.9	9.9	7.9	5.9			
[1/8K, 1/4K, TK]-5	10	0.50	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7			
	20	0.71	26	21	17.6	13.2	10.5	8.8	7.0	5.3			
[TK]-5 (50)	30	0.87	32	26	22	16.1	12.9	10.8	8.6	6.5			
	40	1.00	37	30	25	18.6	14.9	12.4	9.9	7.4			
[1/8K, 1/4K, TK]-7.5	10	0.75	28	22	18.6	13.9	11.1	9.3	7.4	5.6			
	20	1.06	39	31	26	19.7	15.7	13.1	10.5	7.9			
TK-7.5 (50)	30	1.30	48	39	32	24	19.3	16.1	12.9	9.7			
	40	1.50	56	45	37	28	22	18.6	14.9	11.1			
[1/8K, 1/4K, TK]-10	10	1.00	37	30	25	18.6	14.9	12.4	9.9	7.4			
	20	1.41	52	42	35	26	21	17.4	14.0	10.5			
TK-10 (50)	30	1.73	64	51	43	32	26	21	17.1	12.8			
	40	2.00	74	59	50	37	30	25	19.8	14.9			
[1/8K, 1/4K]-12	10	1.20	45	36	30	22	17.8	14.9	11.9	8.9			
	20	1.70	63	50	42	32	25	21	16.8	12.6			
	30	2.08	77	62	51	39	31	26	21	15.4			
	40	2.40	89	71	59	45	36	30	24	17.8			
[1/8K, 1/4K]-15 TK-15	10	1.50	56	45	37	28	22	18.6	14.9	11.1			
	20	2.12	79	63	52	39	31	26	21	15.7			
	30	2.60	97	77	64	48	39	32	26	19.3			
	40	3.00	111	89	74	56	45	37	30	22			
[1/8K, 1/4K]-18	10	1.80	67	53	45	33	27	22	17.8	13.4			
	20	2.55	95	76	63	47	38	32	25	19			
	30	3.12	116	93	77	58	46	39	31	23			
	40	3.60	134	107	89	67	53	45	36	27			
[1/8K, 1/4K]-20 TK-20	10	2.00	74	59	50	37	30	25	19.8	14.9			
	20	2.83	105	84	70	53	42	35	28	21			
QCK-20	30	3.46	128	103	86	64	51	43	34	26			
	40	4.00	149	119	99	74	59	50	40	30			
1/4K-22	10	2.20	82	65	54	41	33	27	22	16.3			
	20	3.11	115	92	77	58	46	38	31	23			
	30	3.81	141	113	94	71	57	47	38	28			
	40	4.40	163	131	109	82	65	54	44	33			
1/4K-24	10	2.40	89	71	59	45	36	30	24	17.8			
	20	3.39	126	101	84	63	50	42	34	25			
	30	4.16	154	124	103	77	62	51	41	31			
	40	4.80	178	143	119	89	71	59	48	36			

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. Other spray angles, capacities, and materials may be available.
(B) = BSPT Thread

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding
Q C K - S S 1 0 0
 Tip Type Capacity Size Material Code

T K - V S 5
 Tip Type Material Code Capacity Size

Polymer with VisiFlo color-coding
T K - V P 3
 Tip Type Material Code Capacity Size

Brass
(B) 1 / 4 K - 5
 BSPT Thread Tip Type Capacity Size

Stainless Steel
(B) 1 / 8 K - S S 5
 BSPT Thread Tip Type Material Code Capacity Size

FLOODJET - WIDE ANGLE FLAT SPRAY

TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 60" SPRAY TIP SPACING							
			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH
1/4K-27	10	2.70	67	53	45	33	27	22	17.8	13.4
	20	3.82	95	76	63	47	38	32	25	18.9
	30	4.68	116	93	77	58	46	39	31	23
	40	5.40	134	107	89	67	53	45	36	27
3/8K-30 TK-30	10	3.00	74	59	50	37	30	25	19.8	14.9
	20	4.24	105	84	70	52	42	35	28	21
QCK-30	30	5.20	129	103	86	64	51	43	34	26
	40	6.00	149	119	99	74	59	50	40	30
3/8K-35	10	3.50	87	69	58	43	35	29	23	17.3
	20	4.95	123	98	82	61	49	41	33	25
	30	6.06	150	120	100	75	60	50	40	30
	40	7.00	173	139	116	87	69	58	46	35
[3/8K, 1/2K]-40	10	4.00	99	79	66	50	40	33	26	19.8
	20	5.66	140	112	93	70	56	47	37	28
QCK-40	30	6.93	172	137	114	86	69	57	46	34
	40	8.00	198	158	132	99	79	66	53	40
3/8K-45	10	4.50	111	89	74	56	45	37	30	22
	20	6.36	157	126	105	79	63	52	42	31
	30	7.79	193	154	129	96	77	64	51	39
	40	9.00	223	178	149	111	89	74	59	45
1/2K-50	10	5.00	124	99	83	62	50	41	33	25
	20	7.07	175	140	117	87	70	58	47	35
QCK-50	30	8.66	214	171	143	107	86	71	57	43
	40	10.0	248	198	165	124	99	83	66	50
1/2K-60	10	6.00	149	119	99	74	59	50	40	30
	20	8.49	210	168	140	105	84	70	56	42
QCK-60	30	10.4	257	206	171	129	103	86	69	51
	40	12.0	297	238	198	149	119	99	79	59
1/2K-70	10	7.00	173	139	116	87	69	58	46	35
	20	9.90	245	196	163	123	98	82	65	49
	30	12.1	300	240	200	150	120	100	80	60
	40	14.0	347	277	231	173	139	116	92	69
[1/2K, 3/4K]-80	10	8.00	198	158	132	99	79	66	53	40
	20	11.3	280	224	186	140	112	93	75	56
QCK-80	30	13.9	344	275	229	172	138	115	92	69
	40	16.0	396	317	264	198	158	132	106	79
[1/2K, 3/4K]-90	10	9.00	223	178	149	111	89	74	59	45
	20	12.7	314	251	210	157	126	105	84	63
	30	15.6	386	309	257	193	154	129	103	77
	40	18.0	446	356	297	223	178	149	119	89
3/4K-100	10	10.0	248	198	165	124	99	83	66	50
	20	14.1	349	279	233	174	140	116	93	70
	30	17.3	428	343	285	214	171	143	114	86
	40	20.0	495	396	330	248	198	165	132	99
3/4K-110	10	11.0	272	218	182	136	109	91	73	54
	20	15.6	386	309	257	193	154	129	103	77
	30	19.1	473	378	315	236	189	158	126	95
	40	22.0	545	436	363	272	218	182	145	109
[1/2K, 3/4K]-120	10	12.0	297	238	198	149	119	99	79	59
	20	17.0	421	337	281	210	168	140	112	84
QCK-120	30	20.8	515	412	343	257	206	172	137	103
	40	24.0	594	475	396	297	238	198	158	119
3/4K-140	10	14.0	347	277	231	173	139	116	92	69
	20	19.8	490	392	327	245	196	163	131	98
	30	24.2	599	479	399	299	240	200	160	120
	40	28.0	693	554	462	347	277	231	185	139
QCK-150	10	15.0	371	297	248	186	149	124	99	74
	20	21.2	525	420	350	262	210	175	140	105
	30	26.0	644	515	429	322	257	215	172	129
	40	30.0	743	594	495	371	297	248	198	149
3/4K-160	10	16.0	396	317	264	198	158	132	106	79
	20	22.6	559	447	373	280	224	186	149	112
	30	27.7	686	548	457	343	274	229	183	137
	40	32.0	792	634	528	396	317	264	211	158
3/4K-180	10	18.0	446	356	297	223	178	149	119	89
	20	25.5	631	505	421	316	252	210	168	126
QCK-180	30	31.2	772	618	515	386	309	257	206	154
	40	36.0	891	713	594	446	356	297	238	178
3/4K-210	10	21.0	520	416	347	260	208	173	139	104
	20	29.7	735	588	490	368	294	245	196	147
QCK-210	30	36.4	901	721	601	450	360	300	240	180
	40	42.0	1040	832	693	520	416	347	277	208

TEEJET TURFJET

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT



FEATURES

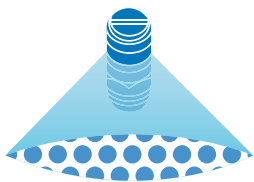
- Very large droplets.
- More precise flow and distribution pattern.
- Large orifice reduces clogging.
- 1/4TTJ(VS) is available in seven VisiFlo® capacities (02 to 15) and 1/4TTJ(VP) is available in four VisiFlo capacities (06 to 15).

QJ4676-90-1/4-NYR

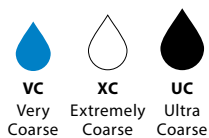
- 90° fitting attaches to Quick TeeJet bodies—1/4" female threaded outlet.
- Simple installation of TurfJet nozzles on vertical nozzle bodies.
- Nylon construction.



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	SPACING
24"*	20"
30"*	30"
39"*	40"

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Stainless Steel with VisiFlo color-coding

1 / 4 T T J 0 4 - V S

Tip Type

Capacity Size

Material Code

Polymer with VisiFlo color-coding

1 / 4 T T J 0 6 - V P

Tip Type

Capacity Size

Material Code

TEEJET TURFJET

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY NOZZLE SPACING								APPLICATION RATE FOR 20" SPRAY TIP SPACING			
					GALLONS PER ACRE (GPA)								GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
1/4TTJ02 (50)	25	UC	0.16	20	5.9	4.8	4.0	3.0	2.4	2.0	1.6	1.2	0.54	0.36	0.27	0.22
	30	XC	0.17	22	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3	0.58	0.39	0.29	0.23
	40	XC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	50	VC	0.22	28	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.75	0.50	0.37	0.30
	60	VC	0.24	31	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.82	0.54	0.41	0.33
	75	VC	0.27	35	10.0	8.0	6.7	5.0	4.0	3.3	2.7	2.0	0.92	0.61	0.46	0.37
1/4TTJ04 (50)	25	UC	0.32	41	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	1.1	0.73	0.54	0.44
	30	UC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	40	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	50	UC	0.45	58	16.7	13.4	11.1	8.4	6.7	5.6	4.5	3.3	1.5	1.0	0.77	0.61
	60	UC	0.49	63	18.2	14.6	12.1	9.1	7.3	6.1	4.9	3.6	1.7	1.1	0.83	0.67
	75	UC	0.55	70	20	16.3	13.6	10.2	8.2	6.8	5.4	4.1	1.9	1.2	0.94	0.75
1/4TTJ05 (50)	25	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	30	UC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
	40	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
	50	UC	0.56	72	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.9	1.3	0.95	0.76
	60	UC	0.61	78	23	18.1	15.1	11.3	9.1	7.5	6.0	4.5	2.1	1.4	1.0	0.83
	75	UC	0.68	87	25	20	16.8	12.6	10.1	8.4	6.7	5.0	2.3	1.5	1.2	0.92
1/4TTJ06 (50)	25	UC	0.47	60	17.4	14.0	11.6	8.7	7.0	5.8	4.7	3.5	1.6	1.1	0.80	0.64
	30	UC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
	40	UC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
	50	UC	0.67	86	25	19.9	16.6	12.4	9.9	8.3	6.6	5.0	2.3	1.5	1.1	0.91
	60	UC	0.73	93	27	22	18.1	13.6	10.8	9.0	7.2	5.4	2.5	1.7	1.2	0.99
	75	UC	0.82	105	30	24	20	15.2	12.2	10.1	8.1	6.1	2.8	1.9	1.4	1.1
1/4TTJ08	25	UC	0.63	81	23	18.7	15.6	11.7	9.4	7.8	6.2	4.7	2.1	1.4	1.1	0.86
	30	UC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
	40	UC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
	50	UC	0.89	114	33	26	22	16.5	13.2	11.0	8.8	6.6	3.0	2.0	1.5	1.2
	60	UC	0.98	125	36	29	24	18.2	14.6	12.1	9.7	7.3	3.3	2.2	1.7	1.3
	75	UC	1.10	141	41	33	27	20	16.3	13.6	10.9	8.2	3.7	2.5	1.9	1.5
1/4TTJ10	25	UC	0.79	101	29	23	19.6	14.7	11.7	9.8	7.8	5.9	2.7	1.8	1.3	1.1
	30	UC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
	40	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
	50	UC	1.12	143	42	33	28	21	16.6	13.9	11.1	8.3	3.8	2.5	1.9	1.5
	60	UC	1.22	156	45	36	30	23	18.1	15.1	12.1	9.1	4.1	2.8	2.1	1.7
	75	UC	1.37	175	51	41	34	25	20	17.0	13.6	10.2	4.7	3.1	2.3	1.9
1/4TTJ15	25	UC	1.19	152	44	35	29	22	17.7	14.7	11.8	8.8	4.0	2.7	2.0	1.6
	30	UC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
	40	UC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
	50	UC	1.68	215	62	50	42	31	25	21	16.6	12.5	5.7	3.8	2.9	2.3
	60	UC	1.84	236	68	55	46	34	27	23	18.2	13.7	6.3	4.2	3.1	2.5
	75	UC	2.05	262	76	61	51	38	30	25	20	15.2	7.0	4.6	3.5	2.8

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

SPRAY TIPS

FULLJET - WIDE ANGLE FULL CONE SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
EXCELLENT



INSECTICIDE
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT

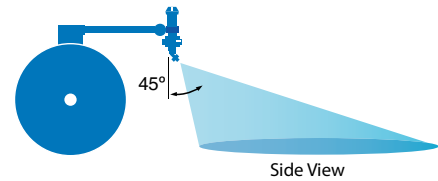


DRIFT CONTROL
VERY GOOD

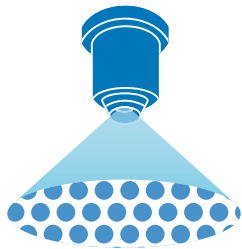


FEATURES

- Large droplets to reduce drift.
- Wide spray angle up to 120° allows use on 40" spacing.
- Can be used with 114445A*-CELR for Quick TeeJet® connection.



SPRAY PATTERN



OPTIMUM SPRAY HEIGHT

HEIGHT	SPACING
24"	20"
30"	30"
39"	40"

FullJet nozzles should be angled 30°-45° from vertical for uniform spray distribution.

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.

RECOMMENDED PRESSURE RANGE



15-40 PSI

MATERIALS AVAILABLE

VS STAINLESS STEEL

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding

F L - 5 V S

Tip Type Capacity Size Material Code

Celcon with Stainless Steel vane and VisiFlo color-coding

F L - 5 V C

Tip Type Capacity Size Material Code

SPRAY TIPS

FULLJET - WIDE ANGLE FULL CONE SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY TIP SPACING							APPLICATION RATE FOR 20" SPRAY TIP SPACING			
				GALLONS PER ACRE (GPA)							TURF APPLICATION GALLONS PER 1000 SQ. FT.			
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	2 MPH	3 MPH	4 MPH	5 MPH
FL-5	15	0.34	44	16.8	12.6	10.1	8.4	7.2	6.3	5.0	1.2	0.77	0.58	0.46
	20	0.38	49	18.8	14.1	11.3	9.4	8.1	7.1	5.6	1.3	0.86	0.65	0.52
	30	0.46	59	23	17.1	13.7	11.4	9.8	8.5	6.8	1.6	1.0	0.78	0.63
	40	0.50	64	25	18.6	14.9	12.4	10.6	9.3	7.4	1.7	1.1	0.85	0.68
FL-6.5	15	0.42	54	21	15.6	12.5	10.4	8.9	7.8	6.2	1.4	0.95	0.71	0.57
	20	0.48	61	24	17.8	14.3	11.9	10.2	8.9	7.1	1.6	1.1	0.82	0.65
	30	0.57	73	28	21	16.9	14.1	12.1	10.6	8.5	1.9	1.3	0.97	0.78
	40	0.65	83	32	24	19.3	16.1	13.8	12.1	9.7	2.2	1.5	1.1	0.88
FL-8	15	0.51	65	25	18.9	15.1	12.6	10.8	9.5	7.6	1.7	1.2	0.87	0.69
	20	0.58	74	29	22	17.2	14.4	12.3	10.8	8.6	2.0	1.3	0.99	0.79
	30	0.70	90	35	26	21	17.3	14.9	13.0	10.4	2.4	1.6	1.2	0.95
	40	0.80	102	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1
FL-10	15	0.67	86	33	25	19.9	16.6	14.2	12.4	9.9	2.3	1.5	1.1	0.91
	20	0.76	97	38	28	23	18.8	16.1	14.1	11.3	2.6	1.7	1.3	1.0
	30	0.91	116	45	34	27	23	19.3	16.9	13.5	3.1	2.1	1.5	1.2
	40	1.00	128	50	37	30	25	21	18.6	14.9	3.4	2.3	1.7	1.4
FL-15	15	0.97	124	48	36	29	24	21	18.0	14.4	3.3	2.2	1.6	1.3
	20	1.11	142	55	41	33	27	24	21	16	3.8	2.5	1.9	1.5
	30	1.32	169	65	49	39	33	28	25	20	4.5	3.0	2.2	1.8
	40	1.50	192	74	56	45	37	32	28	22	5.1	3.4	2.6	2.0

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

SPRAY TIPS

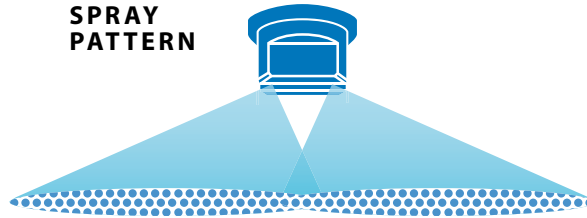


TEEJET - DOUBLE OUTLET FLAT SPRAY

150° SERIES STAINLESS STEEL AND BRASS

Suggested for post-directed application with hose drops.

SPRAY PATTERN



TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING										
			GALLONS PER ACRE (GPA)										
			4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
TQ150-01-SS (100)	20	0.071	5.3	4.2	3.5	3.0	2.6	2.3	2.1	1.8	1.5	1.3	1.2
	25	0.079	5.9	4.7	3.9	3.4	2.9	2.6	2.3	2.0	1.7	1.5	1.3
	30	0.087	6.5	5.2	4.3	3.7	3.2	2.9	2.6	2.2	1.8	1.6	1.4
	40	0.10	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.5	2.1	1.9	1.7
	50	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8
TQ150-015-SS (100)	20	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8
	25	0.12	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.0	2.5	2.2	2.0
	30	0.13	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.2	2.8	2.4	2.1
	40	0.15	11.1	8.9	7.4	6.4	5.6	5.0	4.5	3.7	3.2	2.8	2.5
	50	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8
TQ150-02-SS (100)	20	0.14	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5	3.0	2.6	2.3
	25	0.16	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.0	3.4	3.0	2.6
	30	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8
	40	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3
	50	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6
TQ150-03-SS (100)	20	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5
	25	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9	5.1	4.5	4.0
	30	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3
	40	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0
	50	0.34	25	20	16.8	14.4	12.6	11.2	10.1	8.4	7.2	6.3	5.6
TQ150-04-SS (50)	20	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6
	25	0.32	24	19.0	15.8	13.6	11.9	10.6	9.5	7.9	6.8	5.9	5.3
	30	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8
	40	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6
	50	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4
TQ150-05-SS (50)	20	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8
	25	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6
	30	0.43	32	26	21	18.2	16.0	14.2	12.8	10.6	9.1	8.0	7.1
	40	0.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3
	50	0.56	42	33	28	24	21	18.5	16.6	13.9	11.9	10.4	9.2
TQ150-06-SS (50)	20	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9
	25	0.47	35	28	23	19.9	17.4	15.5	14.0	11.6	10.0	8.7	7.8
	30	0.52	39	31	26	22	19.3	17.2	15.4	12.9	11.0	9.7	8.6
	40	0.60	45	36	30	25	22	19.8	17.8	14.9	12.7	11.1	9.9
	50	0.67	50	40	33	28	25	22	19.9	16.6	14.2	12.4	11.1
TQ150-08-SS (50)	20	0.57	42	34	28	24	21	18.8	16.9	14.1	12.1	10.6	9.4
	25	0.63	47	37	31	27	23	21	18.7	15.6	13.4	11.7	10.4
	30	0.69	51	41	34	29	26	23	20	17.1	14.6	12.8	11.4
	40	0.80	59	48	40	34	30	26	24	19.8	17.0	14.9	13.2
	50	0.89	66	53	44	38	33	29	26	22	18.9	16.5	14.7
TQ150-09-SS (50)	20	0.64	48	38	32	27	24	21	19.0	15.8	13.6	11.9	10.6
	25	0.71	53	42	35	30	26	23	21	17.6	15.1	13.2	11.7
	30	0.78	58	46	39	33	29	26	23	19.3	16.5	14.5	12.9
	40	0.90	67	53	45	38	33	30	27	22	19.1	16.7	14.9
	50	1.01	75	60	50	43	37	33	30	25	21	18.7	16.7

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

RECOMMENDED PRESSURE RANGE



20-50 PSI

MATERIALS AVAILABLE

SS STAINLESS STEEL

B BRASS

HOW TO ORDER

Stainless Steel

T Q 1 5 0 - 0 3 - S S

Tip Type

Capacity Size

Material Code

Brass

T Q 1 5 0 - 0 1

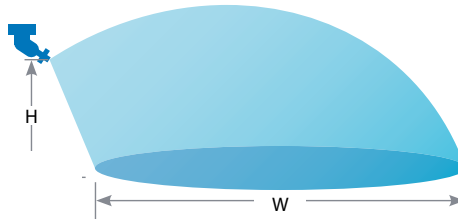
Tip Type

Capacity Size

TEEJET - OFF-CENTER FLAT SPRAY (SMALLER CAPACITIES)

TeeJet Off-Center spray tips are commonly installed in double and single swivel nozzle bodies. Because these bodies are adjustable for angular position, a wide spray swath is easily obtained.

See page 175 for swivels and hose drops.



TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	HEIGHT = 18"					HEIGHT = 24"				
			"W" INCHES	GALLONS PER ACRE (GPA)				"W" INCHES	GALLONS PER ACRE (GPA)			
				3 MPH	4 MPH	5 MPH	6 MPH		3 MPH	4 MPH	5 MPH	6 MPH
OC-01 (100)	30	0.087	58	3.0	2.2	1.8	1.5	65	2.7	2.0	1.6	1.3
	40	0.10	60	3.3	2.5	2.0	1.7	67	3.0	2.2	1.8	1.5
	60	0.12	62	3.8	2.9	2.3	1.9	69	3.4	2.6	2.1	1.7
OC-02 (50)	30	0.17	68	5.0	3.7	3.0	2.5	75	4.5	3.4	2.7	2.2
	40	0.20	70	5.7	4.2	3.4	2.8	77	5.1	3.9	3.1	2.6
	60	0.24	72	6.6	5.0	4.0	3.3	78	6.1	4.6	3.7	3.0
OC-03 (50)	30	0.26	77	6.7	5.0	4.0	3.3	80	6.4	4.8	3.9	3.2
	40	0.30	80	7.4	5.6	4.5	3.7	83	7.2	5.4	4.3	3.6
	60	0.37	82	8.9	6.7	5.4	4.5	85	8.6	6.5	5.2	4.3
OC-04 (50)	30	0.35	91	7.6	5.7	4.6	3.8	93	7.5	5.6	4.5	3.7
	40	0.40	93	8.5	6.4	5.1	4.3	94	8.4	6.3	5.1	4.2
	60	0.49	94	10.3	7.7	6.2	5.2	95	10.2	7.7	6.1	5.1
OC-06 (50)	30	0.52	99	10.4	7.8	6.2	5.2	108	9.5	7.2	5.7	4.8
	40	0.60	101	11.8	8.8	7.1	5.9	110	10.8	8.1	6.5	5.4
	60	0.73	102	14.2	10.6	8.5	7.1	111	13.0	9.8	7.8	6.5
OC-08 (50)	30	0.69	100	13.7	10.2	8.2	6.8	110	12.4	9.3	7.5	6.2
	40	0.80	102	15.5	11.6	9.3	7.8	112	14.1	10.6	8.5	7.1
	60	0.98	104	18.7	14.0	11.2	9.3	113	17.2	12.9	10.3	8.6
OC-12	30	1.04	102	20	15.1	12.1	10.1	113	18.2	13.7	10.9	9.1
	40	1.20	104	23	17.1	13.7	11.4	115	21	15.5	12.4	10.3
	60	1.47	105	28	21	16.6	13.9	116	25	18.8	15.1	12.5
OC-16	30	1.39	132	21	15.6	12.5	10.4	142	19.4	14.5	11.6	9.7
	40	1.60	138	23	17.2	13.8	11.5	146	22	16.3	13.0	10.8
	60	1.96	143	27	20	16.3	13.6	148	26	19.7	15.7	13.1

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

SS STAINLESS STEEL

B BRASS

HOW TO ORDER

Brass

O C - 0 2

Tip Type

Capacity Size

Stainless Steel

O C - S S 0 6

Tip Type

Material Code

Capacity Size

Call for information if part numbers are not listed (-)

1-888-937-7278

XP BOOMJET - BOOMLESS FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT

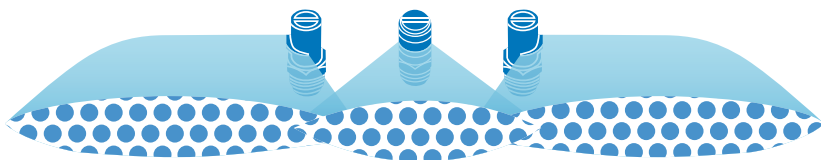


FEATURES

- Unique orifice geometry produces a wide spray pattern while maintaining superior distribution across entire width.
- Pre-orifice design minimizes drift.
- Extra wide spray pattern—up to 18.5'—using a single nozzle.
- Removable polymer pre-orifice.
- NPT or BSPT (male) threads for easy installation.

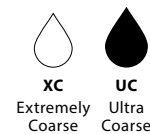
Mounting Note: Position nozzle horizontal to ground with spray pattern down and to the side.

SPRAY PATTERN



Note: The addition of the middle nozzle is one option of configuration. XP BoomJet can be used with TurfJet (1/4TTJ) found on pages 52–53.

DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



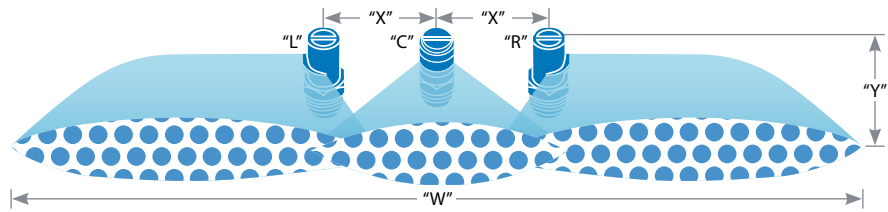
HOW TO ORDER

Polymer with VisiFlo® color-coding

(B) 1 / 2 X P 8 0 L (R) - V P

BSPT Thread	Tip Type	Capacity Size	Left or Right Boom Spray	Material Code
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XP BOOMJET - BOOMLESS FLAT SPRAY



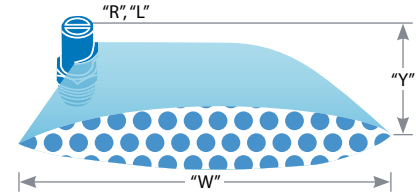
"X" = APPLICATION RATE FOR 20" SPRAY NOZZLE SPACING

TIP PART NO. "R", "L"	CENTER NOZZLE "C"	PSI	DROP SIZE	CAPACITY THREE NOZZLES IN GPM	SPRAY WIDTH "W" (FEET)		"X" = APPLICATION RATE FOR 20" SPRAY NOZZLE SPACING																			
					24" HEIGHT	36" HEIGHT	HEIGHT "Y" = 24"								HEIGHT "Y" = 36"											
							GALLONS PER ACRE (GPA) FOR THREE NOZZLES								TURF APPLICATION GALLONS PER 1000 SQ. FT.				GALLONS PER ACRE (GPA) FOR THREE NOZZLES							
		4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH			4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH			
(B)1/4XP10R (B)1/4XP10L	1/4TTJ08	30	UC	2.43	23.3	25.3	12.9	8.6	6.5	5.2	3.4	2.6	0.59	0.39	0.30	0.24	11.9	7.9	5.9	4.8	3.2	2.4	0.54	0.36	0.27	0.22
		40	XC	2.80	25.3	28.3	13.7	9.1	6.8	5.5	3.7	2.7	0.63	0.42	0.31	0.25	12.2	8.2	6.1	4.9	3.3	2.4	0.56	0.37	0.28	0.22
		50	XC	3.13	28.3	30.3	13.7	9.1	6.8	5.5	3.6	2.7	0.63	0.42	0.31	0.25	12.8	8.5	6.4	5.1	3.4	2.6	0.59	0.39	0.29	0.23
		60	XC	3.42	29.3	32.3	14.4	9.6	7.2	5.8	3.9	2.9	0.66	0.44	0.33	0.26	13.1	8.7	6.6	5.2	3.5	2.6	0.60	0.40	0.30	0.24
(B)1/4XP20R (B)1/4XP20L	1/4TTJ08	30	UC	4.19	26.3	27.3	19.7	13.1	9.9	7.9	5.3	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
		40	XC	4.80	30.3	31.3	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35
		50	XC	5.39	32.3	33.3	21	13.8	10.3	8.3	5.5	4.1	0.95	0.63	0.47	0.38	20	13.4	10.0	8.0	5.3	4.0	0.92	0.61	0.46	0.37
		60	XC	5.98	33.3	35.3	22	14.8	11.1	8.9	5.9	4.4	1.0	0.68	0.51	0.41	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38
(B)1/4XP25R (B)1/4XP25L	1/4TTJ10	30	UC	5.13	27.3	30.3	23	15.5	11.6	9.3	6.2	4.7	1.1	0.71	0.53	0.43	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38
		40	XC	6.00	30.3	32.3	25	16.3	12.3	9.8	6.5	4.9	1.1	0.75	0.56	0.45	23	15.3	11.5	9.2	6.1	4.6	1.1	0.70	0.53	0.42
		50	XC	6.62	32.3	33.3	25	16.9	12.7	10.1	6.8	5.1	1.2	0.77	0.58	0.46	25	16.4	12.3	9.8	6.6	4.9	1.1	0.75	0.56	0.45
		60	XC	7.22	33.3	35.3	27	17.9	13.4	10.7	7.2	5.4	1.2	0.82	0.61	0.49	25	16.9	12.7	10.1	6.7	5.1	1.2	0.77	0.58	0.46
(B)1/2XP40R (B)1/2XP40L	1/4TTJ15	30	UC	8.36	29.3	32.3	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.98	0.73	0.59
		40	XC	9.50	31.3	34.3	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	34	23	17.1	13.7	9.1	6.9	1.6	1.0	0.78	0.63
		50	XC	10.8	33.3	35.3	40	27	20	16.1	10.7	8.0	1.8	1.2	0.92	0.74	38	25	18.9	15.1	10.1	7.6	1.7	1.2	0.87	0.69
		60	UC	11.8	35.3	38.3	41	28	21	16.5	11.0	8.3	1.9	1.3	0.95	0.76	38	25	19.1	15.3	10.2	7.6	1.7	1.2	0.87	0.70

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. When XP BoomJet is combined with 1/4TTJ nozzle the minimum pressure used must be 30 PSI.

(B)=BSPT

For lower chart only, application rates are identical for a two-tip setup. Swath width and flow capacity will be doubled for a two-tip setup.



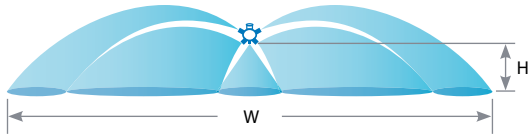
TIP PART NO.	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
				24" HEIGHT	36" HEIGHT	GALLONS PER ACRE (GPA) FOR ONE NOZZLE						TURF APPLICATION GALLONS PER 1000 SQ. FT.				GALLONS PER ACRE (GPA) FOR ONE NOZZLE						TURF APPLICATION GALLONS PER 1000 SQ. FT.			
						4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R (B)1/4XP10L	20	UC	0.71	8.5	10.0	10.3	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	8.8	5.9	4.4	3.5	2.3	1.8	0.40	0.27	0.20	0.16
	30	UC	0.87	10.0	11.0	10.8	7.2	5.4	4.3	2.9	2.2	0.49	0.33	0.25	0.20	9.8	6.5	4.9	3.9	2.6	2.0	0.45	0.30	0.22	0.18
	40	XC	1.00	11.0	12.5	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	9.9	6.6	5.0	4.0	2.6	2.0	0.45	0.30	0.23	0.18
	50	XC	1.12	12.5	13.5	11.1	7.4	5.5	4.4	3.0	2.2	0.51	0.34	0.25	0.20	10.3	6.8	5.1	4.1	2.7	2.1	0.47	0.31	0.24	0.19
(B)1/4XP20R (B)1/4XP20L	20	UC	1.42	9.0	11.0	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	16.0	10.7	8.0	6.4	4.3	3.2	0.73	0.49	0.37	0.29
	30	UC	1.75	11.5	12.0	18.8	12.6	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.0	12.0	9.0	7.2	4.8	3.6	0.83	0.55	0.41	0.33
	40	UC	2.00	13.5	14.0	18.3	12.2	9.2	7.3	4.9	3.7	0.84	0.56	0.42	0.34	17.7	11.8	8.8	7.1	4.7	3.5	0.81	0.54	0.40	0.32
	50	XC	2.25	14.5	15.0	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	18.6	12.4	9.3	7.4	5.0	3.7	0.85	0.57	0.43	0.34
(B)1/4XP25R (B)1/4XP25L	20	UC	1.74	10.5	11.0	21	13.7	10.3	8.2	5.5	4.1	0.94	0.63	0.47	0.38	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36
	30	UC	2.13	12.0	13.5	22	14.6	11.0	8.8	5.9	4.4	1.0	0.67	0.50	0.40	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36
	40	UC	2.50	13.5	14.5	23	15.3	11.5	9.2	6.1	4.6	1.0	0.70	0.52	0.42	21	14.2	10.7	8.5	5.7	4.3	0.98	0.65	0.49	0.39
	50	XC	2.75	14.5	15.0	23	15.6	11.7	9.4	6.3	4.7	1.1	0.72	0.54	0.43	23	15.1	11.3	9.1	6.1	4.5	1.0	0.69	0.52	0.42
(B)1/2XP40R (B)1/2XP40L	20	UC	2.87	11.0	12.0	32	22	16.1	12.9	8.6	6.5	1.5	0.99	0.74	0.59	30	19.7	14.8	11.8	7.9	5.9	1.4	0.90	0.68	0.54
	30	UC	3.53	13.0	14.5	34	22	16.8	13.4	9.0	6.7	1.5	1.0	0.77	0.62	30	20	15.1	12.1	8.0	6.0	1.4	0.92	0.69	0.55
	40	UC	4.00	14.0	15.5	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.97	0.73	0.58
	50	UC	4.55	15.0	16.0	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.6	14.1	9.4	7.0	1.6	1.1	0.81	0.64
(B)1/2XP80R (B)1/2XP80L	20	UC	5.60	13.0	15.5	53	36	27	21	14.2	10.7	2.4	1.6	1.2	0.98	45	30	22	17.9	11.9	8.9	2.0	1.4	1.0	0.82
	30	UC	6.83	15.0	16.5	56	38	28	23	15.0	11.3	2.6	1.7	1.3	1.0	51	34	26	20	13.7	10.2	2.3	1.6	1.2	0.94
	40	UC	8.00	16.0	17.5	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0
	50	UC	8.73	16.5	18.0	65	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.7	1.8	1.4	1.1
60	UC	9.60	17.5	18.5	68	45	34	27	18.1	13.6	3.1	2.1	1.6	1.2	64	43	32	26	17.1	12.8	2.9	2.0	1.5	1.2	

Call for information if part numbers are not listed (-)

1-888-937-7278

Westward has the part!

BOOMJET - BOOMLESS NOZZLES WITH EXTRA-WIDE FLAT SPRAY PROJECTION



W = Maximum effective coverage with nozzle mounted at 36" height.



5880-3/4 NPT Female
Back inlet connection.



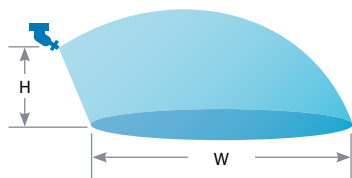
5430-3/4 NPT

TIP PART NO.	OC (2)	H1 (2)	H1 (1)	PSI	GPM	"W" (FEET)	GALLONS PER ACRE (GPA)					TURF APPLICATION GALLONS PER 1000 SQ. FT.			
							4 MPH	5 MPH	7.5 MPH	10 MPH	15 MPH	2 MPH	3 MPH	4 MPH	5 MPH
5430-3/4-2TOC06 5880-3/4-2TOC06	6733-OC06	H1/4VV-1506	H1/4VVL-9502 with 50 mesh strainer	20	1.84	33.5	6.8	5.4	3.6	2.7	1.8	0.31	0.21	0.16	0.12
				30	2.25	34	8.2	6.6	4.4	3.3	2.2	0.38	0.25	0.19	0.15
				40	2.60	34.5	9.3	7.5	5.0	3.7	2.5	0.43	0.28	0.21	0.17
5430-3/4-2TOC10 5880-3/4-2TOC10	OC-10	H1/4U-0508HE	H1/4VVL-11004 with 50 mesh strainer	20	2.83	39.5	8.9	7.1	4.7	3.5	2.4	0.41	0.27	0.20	0.16
				30	3.46	40	10.7	8.6	5.7	4.3	2.9	0.49	0.33	0.25	0.20
				40	4.00	40.5	12.2	9.8	6.5	4.9	3.3	0.56	0.37	0.28	0.22
5430-3/4-2TOC20 5880-3/4-2TOC20	OC-20	H1/4U-0520HE	H1/4VVL-9506 with 50 mesh strainer	20	6.08	47	16.0	12.8	8.5	6.4	4.3	0.73	0.49	0.37	0.29
				30	7.45	50	18.4	14.8	9.8	7.4	4.9	0.84	0.56	0.42	0.34
				40	8.60	52	20	16.4	10.9	8.2	5.5	0.94	0.62	0.47	0.37
5430-3/4-2TOC40 5880-3/4-2TOC40	OC-40	H1/4U-0540HE	H1/4U-9510	20	12.0	56	27	21	14.1	10.6	7.1	1.2	0.81	0.61	0.49
				30	14.7	60	30	24	16.2	12.1	8.1	1.4	0.93	0.69	0.56
				40	17.0	63	33	27	17.8	13.4	8.9	1.5	1.0	0.76	0.61

TEEJET - SWIVEL SPRAY NOZZLES WITH OFF-CENTER FLAT SPRAY (LARGER CAPACITIES)

EXTRA-WIDE FLAT SPRAY COVERAGE

W = Maximum effective coverage with nozzle mounted at 36" height.



Type 4629-3/4-TOC Single Swivel
with 3/4" NPT (F) pipe connection. Brass.



Type 4418-3/4-2TOC Double Swivel
with 3/4" NPT (F) pipe connection. Brass.

TIP PART NO.	PSI	GPM	"W" (FEET)	HEIGHT = 36"		
				GALLONS PER ACRE (GPA)		
				5 MPH	10 MPH	15 MPH
4629-3/4-TOC10	30	0.87	18	4.8	2.4	1.6
	40	1.00	18.5	5.4	2.7	1.8
	60	1.22	18.5	6.5	3.3	2.2
4629-3/4-TOC20	30	1.73	23.5	7.3	3.6	2.4
	40	2.00	24.5	8.1	4.0	2.7
	60	2.45	24.5	9.9	5.0	3.3
4629-3/4-TOC40	30	3.46	26	13.2	6.6	4.4
	40	4.00	27	14.7	7.3	4.9
	60	4.90	27	18.0	9.0	6.0
4629-3/4-TOC80	30	6.93	29	24	11.8	7.9
	40	8.00	30	26	13.2	8.8
	60	9.80	30	32	16.2	10.8
4629-3/4-TOC150	30	13.0	30.5	42	21	14.1
	40	15.0	31.5	47	24	15.7
	60	18.4	31.5	58	29	19.3
4629-3/4-TOC300	30	26.0	32	80	40	27
	40	30.0	33	90	45	30
	60	36.7	33.5	108	54	36

HOW TO ORDER

4 6 2 9 - 3 / 4 - T O C 1 0
Brass

SPRAY TIPS

FIELDJET BOOMLESS NOZZLES WITH EXTRA WIDE FLAT SPRAY PROJECTION

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT

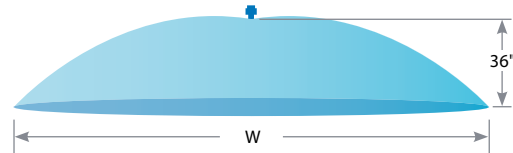


Type 1/4-KLC
1/4" NPT male pipe connections

FEATURES

- The KLC FieldJet nozzle is typically used to spray areas not accessible with a boom sprayer.
- Its one-piece nozzle design projects spray to both sides to form a wide swath flat spray.

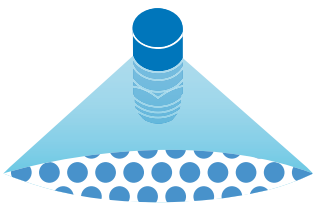
- The round orifice minimizes clogging.
- Uniformity across the swath is not as good as with a properly operated boom sprayer.*



*Uniformity can be optimized by double overlapping spray swaths on successive sprayer passes. Remember, this also doubles the application volume.

TIP PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	"W" (FEET)	GALLONS PER ACRE (GPA)				TURF APPLICATION GALLONS PER 1000 SQ. FT.			
				3 MPH	4 MPH	5 MPH	8 MPH	3 MPH	4 MPH	5 MPH	8 MPH
1/4-KLC-5	20	0.71	17	6.9	5.2	4.1	2.6	.16	.12	.09	.06
	30	0.87	18	8.0	6.0	4.8	3.0	.18	.14	.11	.07
	40	1.00	21	7.9	5.9	4.7	2.9	.18	.13	.11	.07
1/4-KLC-9	20	1.27	18	11.6	8.7	7.0	4.4	.27	.20	.16	.10
	30	1.56	19	13.5	10.2	8.1	5.1	.31	.23	.19	.12
	40	1.80	21	14.1	10.6	8.5	5.3	.32	.24	.19	.12
1/4-KLC-18	20	2.55	20	21	15.8	12.6	7.9	.48	.36	.29	.18
	30	3.12	21	25	18.4	14.7	9.2	.56	.42	.34	.21
	40	3.60	22	27	20	16.2	10.1	.62	.46	.37	.23
1/4-KLC-36	20	5.09	22	38	29	23	14.3	.87	.66	.52	.33
	30	6.24	24	43	32	26	16.1	.98	.74	.59	.37
	40	7.20	26	46	34	27	17.1	1.0	.78	.63	.39

SPRAY PATTERN



MATERIALS AVAILABLE

- SS** STAINLESS STEEL
- B** BRASS

HOW TO ORDER

Stainless Steel
1 / 4 K L C - S S 1 8
 Tip Type Material Code Capacity Size

XE TEEJET - EXTENDED EVEN BOOMLESS SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
GOOD



INSECTICIDE
SYSTEMIC
GOOD



FERTILIZER
BROADCAST
EXCELLENT



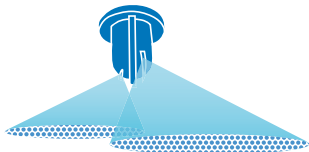
DRIFT CONTROL
EXCELLENT



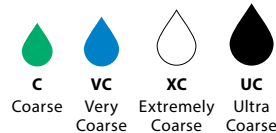
FEATURES

- Wide, even spray pattern allows fewer passes through the field and the ability to cover more area with each pass.
- XE TeeJet Tip can be used in a wide variety of applications—fruits & vegetables, greenhouses, home gardens, urban pest control, sugar cane and flowers.
- Designed for use in hand-held and boomless sprayer applications.
- Optimal use at low pressure.
- Optimum spray height of 20" and optimum spray pressure at 30 PSI.
- Removable pre-orifice for cleaning.
- Acetal polymer material for durability.
- Available in four VisiFlo Polymer (VP) capacities.
- Can be used with 114445A-*-CELR Quick TeeJet cap and gasket, CP8027-NYB nylon threaded cap, and CP1325 brass threaded cap.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

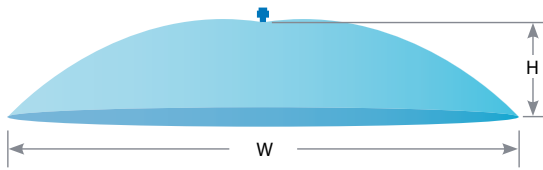
Polymer with VisiFlo® color-coding

X E 1 5 0 0 8 - V P

Tip Type Spray Angle Capacity Size Material Code

SPRAY TIPS

XE TEEJET - EXTENDED EVEN BOOMLESS SPRAY



TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"								HEIGHT "Y" = 36"											
				24" HEIGHT	36" HEIGHT	GALLONS PER ACRE (GPA)				TURF APP. GALLONS PER 1000 SQ. FT.				GALLONS PER ACRE (GPA)				TURF APP. GALLONS PER 1000 SQ. FT.							
						3 MPH	4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	2 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	2 MPH	3 MPH	4 MPH	5 MPH
XE15002-VP (50)	10	UC	0.10	4.9	5.6	3.3	2.5	1.7	1.3	1.0	0.84	0.11	0.08	0.06	0.05	2.9	2.2	1.5	1.1	0.88	0.74	0.10	0.07	0.05	0.04
	15	UC	0.12	6.2	7.2	3.2	2.4	1.6	1.2	1.0	0.81	0.11	0.07	0.06	0.04	2.8	2.1	1.4	1.0	0.84	0.70	0.10	0.06	0.05	0.04
	20	XC	0.14	7.5	8.2	3.1	2.3	1.5	1.2	0.93	0.77	0.11	0.07	0.05	0.04	2.8	2.1	1.4	1.1	0.85	0.71	0.10	0.07	0.05	0.04
	30	XC	0.17	9.2	10.5	3.1	2.3	1.6	1.2	0.93	0.78	0.11	0.07	0.05	0.04	2.7	2.0	1.4	1.0	0.82	0.68	0.09	0.06	0.05	0.04
	40	VC	0.20	10.8	12.5	3.1	2.3	1.5	1.1	0.92	0.76	0.10	0.07	0.05	0.04	2.7	2.0	1.3	1.0	0.80	0.66	0.09	0.06	0.05	0.04
	50	VC	0.22	11.8	13.8	3.1	2.4	1.6	1.2	0.94	0.78	0.11	0.07	0.05	0.04	2.7	2.0	1.3	1.0	0.81	0.67	0.09	0.06	0.05	0.04
	60	VC	0.25	12.5	14.8	3.3	2.4	1.6	1.2	0.98	0.81	0.11	0.07	0.06	0.04	2.7	2.1	1.4	1.0	0.82	0.69	0.09	0.06	0.05	0.04
XE15004-VP (50)	10	UC	0.21	6.2	8.2	5.7	4.3	2.8	2.1	1.7	1.4	0.19	0.13	0.10	0.08	4.3	3.2	2.2	1.6	1.3	1.1	0.15	0.10	0.07	0.06
	15	UC	0.26	8.5	10.8	5.0	3.7	2.5	1.9	1.5	1.2	0.17	0.11	0.09	0.07	3.9	2.9	2.0	1.5	1.2	0.98	0.13	0.09	0.07	0.05
	20	XC	0.29	9.8	11.8	4.9	3.7	2.4	1.8	1.5	1.2	0.17	0.11	0.08	0.07	4.1	3.1	2.0	1.5	1.2	1.0	0.14	0.09	0.07	0.06
	30	XC	0.35	12.1	14.1	4.8	3.6	2.4	1.8	1.4	1.2	0.16	0.11	0.08	0.07	4.1	3.1	2.1	1.5	1.2	1.0	0.14	0.09	0.07	0.06
	40	VC	0.40	13.8	15.7	4.8	3.6	2.4	1.8	1.4	1.2	0.16	0.11	0.08	0.07	4.2	3.1	2.1	1.6	1.3	1.0	0.14	0.10	0.07	0.06
	50	VC	0.44	14.4	16.7	5.1	3.8	2.5	1.9	1.5	1.3	0.17	0.12	0.09	0.07	4.4	3.3	2.2	1.6	1.3	1.1	0.15	0.10	0.07	0.06
	60	VC	0.48	15.4	17.4	5.1	3.9	2.6	1.9	1.5	1.3	0.18	0.12	0.09	0.07	4.6	3.4	2.3	1.7	1.4	1.1	0.16	0.10	0.08	0.06
XE15006-VP (50)	10	UC	0.30	7.9	9.2	6.3	4.7	3.1	2.4	1.9	1.6	0.22	0.14	0.11	0.09	5.4	4.0	2.7	2.0	1.6	1.3	0.18	0.12	0.09	0.07
	15	UC	0.37	9.5	11.8	6.4	4.8	3.2	2.4	1.9	1.6	0.22	0.15	0.11	0.09	5.1	3.8	2.6	1.9	1.5	1.3	0.18	0.12	0.09	0.07
	20	UC	0.42	11.2	13.5	6.3	4.7	3.1	2.4	1.9	1.6	0.22	0.14	0.11	0.09	5.2	3.9	2.6	2.0	1.6	1.3	0.18	0.12	0.09	0.07
	30	XC	0.52	13.1	15.1	6.5	4.9	3.3	2.5	2.0	1.6	0.22	0.15	0.11	0.09	5.7	4.3	2.8	2.1	1.7	1.4	0.20	0.13	0.10	0.08
	40	VC	0.60	14.1	16.1	7.0	5.3	3.5	2.6	2.1	1.8	0.24	0.16	0.12	0.10	6.2	4.6	3.1	2.3	1.8	1.5	0.21	0.14	0.11	0.08
	50	VC	0.67	15.1	17.1	7.3	5.5	3.7	2.7	2.2	1.8	0.25	0.17	0.13	0.10	6.5	4.9	3.2	2.4	1.9	1.6	0.22	0.15	0.11	0.09
	60	C	0.73	16.1	18.0	7.5	5.7	3.8	2.8	2.3	1.9	0.26	0.17	0.13	0.10	6.7	5.0	3.4	2.5	2.0	1.7	0.23	0.15	0.12	0.09
XE15008-VP (50)	10	UC	0.40	8.5	11.5	7.8	5.8	3.9	2.9	2.3	1.9	0.27	0.18	0.13	0.11	5.8	4.3	2.9	2.2	1.7	1.4	0.20	0.13	0.10	0.08
	15	UC	0.49	11.2	12.8	7.3	5.5	3.6	2.7	2.2	1.8	0.25	0.17	0.13	0.10	6.3	4.8	3.2	2.4	1.9	1.6	0.22	0.15	0.11	0.09
	20	UC	0.57	12.1	14.1	7.7	5.8	3.9	2.9	2.3	1.9	0.26	0.18	0.13	0.11	6.6	5.0	3.3	2.5	2.0	1.7	0.23	0.15	0.11	0.09
	30	XC	0.69	13.5	15.4	8.5	6.4	4.3	3.2	2.6	2.1	0.29	0.19	0.15	0.12	7.4	5.6	3.7	2.8	2.2	1.9	0.25	0.17	0.13	0.10
	40	VC	0.80	14.4	16.1	9.1	6.9	4.6	3.4	2.7	2.3	0.31	0.21	0.16	0.13	8.2	6.2	4.1	3.1	2.5	2.1	0.28	0.19	0.14	0.11
	50	C	0.89	15.1	16.7	9.8	7.3	4.9	3.7	2.9	2.4	0.34	0.22	0.17	0.13	8.8	6.6	4.4	3.3	2.6	2.2	0.30	0.20	0.15	0.12
	60	C	0.98	15.7	17.4	10.3	7.7	5.1	3.8	3.1	2.6	0.35	0.23	0.18	0.14	9.3	7.0	4.6	3.5	2.8	2.3	0.32	0.21	0.16	0.13

Note: Always double check your application rates. Droplet classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

SPRAY TIPS

AI TEEJET - AIR INDUCTION EVEN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
VERY GOOD
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
GOOD



INSECTICIDE
SYSTEMIC
VERY GOOD

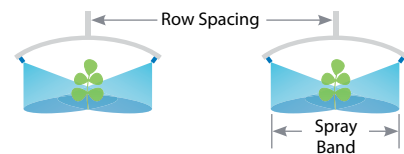


DRIFT CONTROL
EXCELLENT

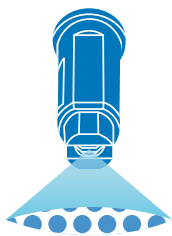


FEATURES

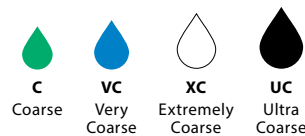
- Non-tapered flat spray pattern with a 65° or 95° angle providing even coverage without overlapping.
- Air-induction spray tip producing large air-filled droplets through the use of a Venturi air aspirator.
- Ideal for banding over the row or in row middles.
- Available with stainless steel insert, polymer holder and pre-orifice with VisiFlo® color-coding in eight capacities.
- Automatic spray alignment with 114443A-*CELR Quick TeeJet cap and gasket.



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	GPA CONVERSION FACTORS	
	20"	30"
8"	2.50	3.75
10"	2.00	3.00
12"	1.67	2.50
15"	1.33	1.88

To find GPA on the spray band, multiply the tabulated l/ha from the following page for row spacing by the conversion factors above.

- Example:
- Band Width = 8" (Conversion Factor = 3.75)
 - AI95015EVS at 40 PSI at 5 MPH – 5.9 GPA
 - Corrected GPA = 5.9 x 3.75 = 22.1 GPA

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

HOW TO ORDER

Polymer with VisiFlo color-coding
A I 9 5 0 4 E V S
 Tip Type Capacity Size Material Code
 Spray Pattern

SPRAY TIPS

AI TEEJET - AIR INDUCTION EVEN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
		65°	95°			3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
AI95015EVS (100)	30	M		0.13	17	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
	40	C		0.15	19	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
	50	C		0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	60	C		0.18	23	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
	70	C		0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	80	C		0.21	27	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9	5.5	5.2	4.9
	90	C		0.23	29	15.2	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1	5.7	5.4
	100	C		0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
AI6502EVS AI9502EVS (50)	30	UC	XC	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	40	XC	XC	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	50	XC	VC	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	VC	VC	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
	70	VC	VC	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	80	VC	C	0.28	36	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
	90	VC	C	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	100	C	C	0.32	41	21	18.1	15.8	14.1	12.7	11.5	10.6	9.7	9.1	8.4	7.9	7.5
AI65025EVS AI95025EVS (50)	30	UC	XC	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	40	XC	XC	0.25	32	16.5	14.1	12.4	11.0	9.9	9.0	8.3	7.6	7.1	6.6	6.2	5.8
	50	XC	VC	0.28	36	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
	60	VC	VC	0.31	40	20	17.5	15.3	13.6	12.3	11.2	10.2	9.4	8.8	8.2	7.7	7.2
	70	VC	VC	0.33	42	22	18.7	16.3	14.5	13.1	11.9	10.9	10.1	9.3	8.7	8.2	7.7
	80	VC	C	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	90	VC	C	0.38	49	25	21	18.8	16.7	15.0	13.7	12.5	11.6	10.7	10.0	9.4	8.9
	100	VC	C	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
AI6503EVS AI9503EVS (50)	30	UC	XC	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	XC	XC	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	50	XC	VC	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	VC	VC	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
	70	VC	VC	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	80	VC	C	0.42	54	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9	11.1	10.4	9.8
	90	VC	C	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	100	VC	C	0.47	60	31	27	23	21	18.6	16.9	15.5	14.3	13.3	12.4	11.6	10.9
AI6504EVS AI9504EVS (50)	30	UC	XC	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	XC	XC	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	50	XC	VC	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	60	VC	VC	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
	70	VC	VC	0.53	68	35	30	26	23	21	19.1	17.5	16.1	15.0	14.0	13.1	12.3
	80	VC	C	0.57	73	38	32	28	25	23	21	18.8	17.4	16.1	15.0	14.1	13.3
	90	C	C	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
	100	C	C	0.63	81	42	36	31	28	25	23	21	19.2	17.8	16.6	15.6	14.7
AI6505EVS AI9505EVS (50)	30	UC	XC	0.43	55	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
	40	XC	XC	0.50	64	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
	50	XC	VC	0.56	72	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
	60	XC	VC	0.61	78	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2
	70	VC	VC	0.66	84	44	37	33	29	26	24	22	20	18.7	17.4	16.3	15.4
	80	VC	VC	0.71	91	47	40	35	31	28	26	23	22	20	18.7	17.6	16.5
	90	VC	C	0.75	96	50	42	37	33	30	27	25	23	21	19.8	18.6	17.5
	100	VC	C	0.79	101	52	45	39	35	31	28	26	24	22	21	19.6	18.4
AI6506EVS AI9506EVS (50)	30	UC	UC	0.52	67	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
	40	XC	XC	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
	50	XC	XC	0.67	86	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
	60	XC	VC	0.73	93	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0
	70	XC	VC	0.79	101	52	45	39	35	31	28	26	24	22	21	19.6	18.4
	80	VC	VC	0.85	109	56	48	42	37	34	31	28	26	24	22	21	19.8
	90	VC	VC	0.90	115	59	51	45	40	36	32	30	27	25	24	22	21
	100	VC	C	0.95	122	63	54	47	42	38	34	31	29	27	25	24	22
AI9508EVS (50)	30	UC		0.69	88	46	39	34	30	27	25	23	21	19.5	18.2	17.1	16.1
	40	XC		0.80	102	53	45	40	35	32	29	26	24	23	21	19.8	18.6
	50	XC		0.89	114	59	50	44	39	35	32	29	27	25	23	22	21
	60	VC		0.98	125	65	55	49	43	39	35	32	30	28	26	24	23
	70	VC		1.06	136	70	60	52	47	42	38	35	32	30	28	26	25
	80	VC		1.13	145	75	64	56	50	45	41	37	34	32	30	28	26
	90	VC		1.20	154	79	68	59	53	48	43	40	37	34	32	30	28
	100	C		1.26	161	83	71	62	55	50	45	42	38	36	33	31	29

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

DG TEEJET - DRIFT GUARD EVEN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
GOOD



INSECTICIDE
SYSTEMIC
GOOD



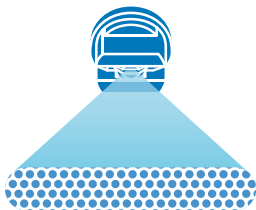
DRIFT CONTROL
VERY GOOD



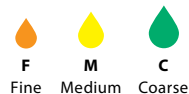
FEATURES

- Non-tapered flat spray pattern with a 95° angle providing even coverage without overlapping.
- Pre-orifice design produces large droplets to reduce drift.
- Ideal for soil applied and systemic herbicide applications.
- Ideal for banding over the row or in row middles.
- Available with stainless steel insert, polymer holder and pre-orifice with VisiFlo color-coding in five capacities.
- Automatic spray alignment with 114441A-*-CELR Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	GPA CONVERSION FACTORS	
	20"	30"
8"	2.50	3.75
10"	2.00	3.00
12"	1.67	2.50
15"	1.33	2.00

To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

Example:

- Band Width = 8" (Conversion Factor = 3.75)
- DG95015EVS at 40 PSI at 5 MPH – 5.9 GPA
- Corrected GPA = 5.9 x 3.75 = 22.1 GPA

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding

D G 9 5 0 1 5 E V S

Tip Type Capacity Size Material Code
Spray Pattern

DG TEEJET - DRIFT GUARD EVEN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
					3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
DG9501EVS (100)	30	M	0.13	17	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
	40	M	0.15	19	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
	50	F	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	60	F	0.18	23	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
DG9502EVS (50)	30	M	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	40	M	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	50	M	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	M	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
DG9503EVS (50)	30	M	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	M	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	50	M	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	M	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
DG9504EVS (50)	30	C	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	M	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	50	M	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	60	M	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
DG9505EVS (50)	30	C	0.43	55	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
	40	C	0.50	64	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
	50	M	0.56	72	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
	60	M	0.61	78	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

SPRAY TIPS



TEEJET - EVEN FLAT SPRAY

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
CONTACT
VERY GOOD
SYSTEMIC
GOOD



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



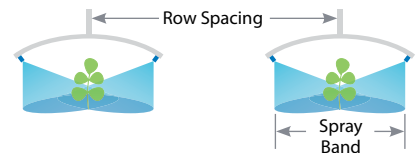
DRIFT CONTROL
GOOD



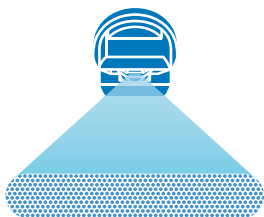
FEATURES

- Non-tapered flat spray pattern providing even coverage without overlapping.
- Ideal for banding over the row or in row middles.

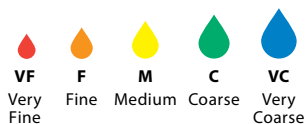
- Available with VisiFlo® color-coding in stainless steel or all stainless steel, hardened stainless steel and brass even pattern in 30°, 40°, 65°, 80°, 95°, and 110°.
- Automatic spray alignment with 114441A-* CELR Quick TeeJet cap and gasket.



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	HEIGHT					GPA CONVERSION FACTORS	
	40°	65°	80°	95°	110°	20"	30"
8"	11"	6"	5"	4"	3"	2.50	3.75
10"	14"	8"	6"	5"	4"	2.00	3.00
12"	16"	9"	7"	5"	4"	1.67	2.50
15"	21"	12"	9"	7"	5"	1.33	1.88

To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

Example:

- Band Width = 8" (Conversion Factor = 3.75)
- TP80015EVS at 40 PSI at 5 MPH – 5.9 GPA
- Corrected GPA = 5.9 x 3.75 = 22.1 GPA

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

B BRASS

SS STAINLESS STEEL

HSS HARDENED STAINLESS STEEL

TEEJET - EVEN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
				3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
TP4001E† TP6501E†	30	F	0.087	5.7	4.9	4.3	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.0
	40	F	0.10	6.6	5.7	5.0	4.4	4.0	3.6	3.3	3.0	2.8	2.6	2.5	2.3
TP8001E TP9501E (100)	50	F	0.11	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7	2.6
	60	VF	0.12	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4	3.2	3.0	2.8
TP40015E† TP65015E†	30	F	0.13	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
	40	F	0.15	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
TP80015E TP95015E (100)	50	F	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	60	F	0.18	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
TP4002E† TP6502E†	30	F	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	40	F	0.20	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
TP8002E TP9502E (50)	50	F	0.22	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	F	0.24	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
TP4003E† TP6503E†	30	M	0.26	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	F	0.30	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
TP8003E TP9503E (50)	50	F	0.34	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	F	0.37	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
TP4004E† TP6504E†	30	M	0.35	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	M	0.40	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
TP8004E TP9504E (50)	50	M	0.45	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	60	F	0.49	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
TP4005E† TP6505E†	30	M	0.43	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
	40	M	0.50	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
TP8005E TP9505E (50)	50	M	0.56	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
	60	M	0.61	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2
TP4006E† TP6506E†	30	C	0.52	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
	40	M	0.60	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
TP8006E TP9506E (50)	50	M	0.67	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
	60	M	0.73	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0
TP6508E† TP11008E†	30	C	0.69	46	39	34	30	27	25	23	21	19.5	18.2	17.1	16.1
	40	C	0.80	53	45	40	35	32	29	26	24	23	21	19.8	18.6
TP8008E TP9508E (50)	50	M	0.89	59	50	44	39	35	32	29	27	25	23	22	21
	60	M	0.98	65	55	49	43	39	35	32	30	28	26	24	23
TP4010E† TP6510E† TP8010E† TP11010E† (24)	30	VC	0.87	57	49	43	38	34	31	29	27	25	23	22	20
	40	C	1.00	66	57	50	44	40	36	33	30	28	26	25	23
	50	C	1.12	74	63	55	49	44	40	37	34	32	30	28	26
	60	C	1.22	81	69	60	54	48	44	40	37	35	32	30	28
TP6515E† TP8015E† TP11015E†	30	VC	1.30	86	74	64	57	51	47	43	40	37	34	32	30
	40	VC	1.50	99	85	74	66	59	54	50	46	42	40	37	35
	50	C	1.68	111	95	83	74	67	60	55	51	48	44	42	39
	60	C	1.84	121	104	91	81	73	66	61	56	52	49	46	43

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

†Available in brass and/or stainless steel and/or hardened stainless steel.

HOW TO ORDER

Stainless Steel with VisiFlo color-coding

T P 8 0 0 2 E V S

Tip Type Capacity Size Material Code
Spray Pattern

Brass

T P 8 0 0 2 E

Tip Type Capacity Size
Spray Pattern

Stainless Steel

T P 8 0 0 2 E - S S

Tip Type Capacity Size Material Code
Spray Pattern

Hardened Stainless Steel

T P 8 0 0 2 E - H S S

Tip Type Capacity Size Material Code
Spray Pattern

TWINJET - EVEN FLAT SPRAY

Typical Applications



HERBICIDE
CONTACT
VERY GOOD



FUNGICIDE
CONTACT
VERY GOOD



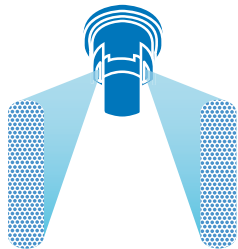
INSECTICIDE
CONTACT
VERY GOOD



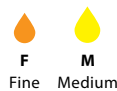
FEATURES

- Non-tapered TwinJet flat spray pattern providing even coverage without overlapping.
- The twin flat sprays provide improved coverage and penetration of crop or weeds.
- Fine to medium droplet size is ideal when smaller droplets are necessary for contact products, as herbicides, insecticides, and fungicides.
- Ideal for banding over the row or in row middles.
- Available in stainless steel with VisiFlo® color-coding in 40° and 80° spray angles in four capacities.
- Automatic spray alignment with 114443A-*CELR Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	GPA CONVERSION FACTORS	
	40°	80°
8"	11"	5"
10"	14"	6"
12"	16"	7"
15"	21"	9"

To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

Example:

- Band Width = 8" (conversion factor = 3.75)
- TJ60-4002EVS at 40 PSI at 5 MPH – 7.9 GPA
- Corrected GPA = 7.9 x 3.75 = 29.6 GPA

RECOMMENDED PRESSURE RANGE



30-60 PSI

MATERIALS AVAILABLE

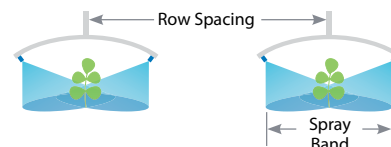
VS STAINLESS STEEL

HOW TO ORDER

Stainless Steel with VisiFlo color-coding

T J 6 0 - 4 0 0 2 E V S

Tip Type Spray Angle Capacity Size Material Code
Spray Pattern



SPRAY TIPS

TWINJET - EVEN FLAT SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
					3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
TJ60-4002EVS TJ60-8002EVS (100)	30	F	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	40	F	0.20	26	13.2	11.3	9.9	8.8	7.9	7.5	6.6	6.1	5.7	5.3	5.0	4.7
	50	F	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	F	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
TJ60-4003EVS TJ60-8003EVS (100)	30	F	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	F	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	50	F	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	F	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
TJ60-4004EVS TJ60-8004EVS (50)	30	F	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	F	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	50	F	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	60	F	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
TJ60-8006EVS (50)	30	M	0.53	67	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
	40	M	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
	50	F	0.67	86	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
	60	F	0.73	93	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.



SPRAY TIPS

AIUB TEEJET - BANDING & DIRECTED SPRAY

Typical Applications



HERBICIDE
CONTACT
GOOD
SYSTEMIC
EXCELLENT



INSECTICIDE
SYSTEMIC
GOOD



FERTILIZER
BANDING
EXCELLENT

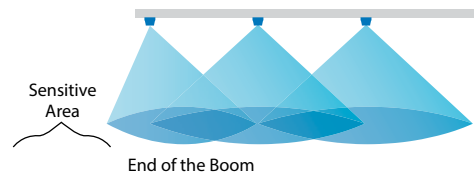
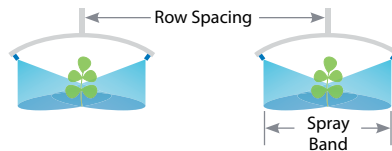
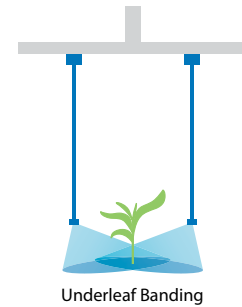


DRIFT CONTROL
EXCELLENT

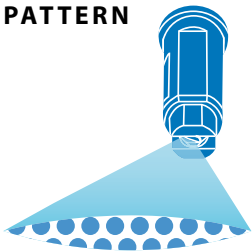


FEATURES

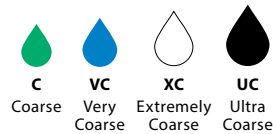
- Air-Induction Spray tip producing large air-filled droplets through the use of a Venturi air aspirator.
- Off-center spray pattern with flat spray characteristics.
- 85° spray angle.
- Underleaf banding of pesticides or liquid fertilizers.
- Used at the end of the spray boom around the perimeter of the field to protect sensitive areas.
- Available with stainless steel insert, polymer holder and pre-orifice with VisiFlo® color-coding in four capacities.
- Automatic spray alignment with 114443A-*CELR Quick TeeJet cap and gasket.



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Stainless Steel with VisiFlo color-coding

A I U B 8 5 0 2 5 V S

Tip Type

Spray Angle

Capacity Size

Material Code

SPRAY TIPS

AIUB TEEJET - BANDING & DIRECTED SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING						APPLICATION RATE FOR 30" SPRAY TIP SPACING					
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH
AIUB8502 (50)	30	UC	0.17	22	16.8	12.6	10.1	8.4	7.2	6.3	11.2	8.4	6.7	5.6	4.8	4.2
	40	XC	0.20	26	19.8	14.9	11.9	9.9	8.5	7.4	13.2	9.9	7.9	6.6	5.7	5.0
	50	XC	0.22	28	22	16.3	13.1	10.9	9.3	8.2	14.5	10.9	8.7	7.3	6.2	5.4
	60	VC	0.24	31	24	17.8	14.3	11.9	10.2	8.9	15.8	11.9	9.5	7.9	6.8	5.9
	70	VC	0.26	33	26	19.3	15.4	12.9	11.0	9.7	17.2	12.9	10.3	8.6	7.4	6.4
	80	VC	0.28	36	28	21	16.6	13.9	11.9	10.4	18.5	13.9	11.1	9.2	7.9	6.9
	90	C	0.30	38	30	22	17.8	14.9	12.7	11.1	19.8	14.9	11.9	9.9	8.5	7.4
	100	C	0.32	41	32	24	19.0	15.8	13.6	11.9	21	15.8	12.7	10.6	9.1	7.9
AIUB85025 (50)	30	XC	0.22	28	22	16.3	13.1	10.9	9.3	8.2	14.5	10.9	8.7	7.3	6.2	5.4
	40	XC	0.25	32	25	18.6	14.9	12.4	10.6	9.3	16.5	12.4	9.9	8.3	7.1	6.2
	50	VC	0.28	36	28	21	16.6	13.9	11.9	10.4	18.5	13.9	11.1	9.2	7.9	6.9
	60	VC	0.31	40	31	23	18.4	15.3	13.2	11.5	20	15.3	12.3	10.2	8.8	7.7
	70	VC	0.33	42	33	25	19.6	16.3	14.0	12.3	22	16.3	13.1	10.9	9.3	8.2
	80	C	0.35	45	35	26	21	17.3	14.9	13.0	23	17.3	13.9	11.6	9.9	8.7
	90	C	0.38	49	38	28	23	18.8	16.1	14.1	25	18.8	15.0	12.5	10.7	9.4
	100	C	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
AIUB8503 (50)	30	XC	0.26	33	26	19.3	15.4	12.9	11.0	9.7	17.2	12.9	10.3	8.6	7.4	6.4
	40	XC	0.30	38	30	22	17.8	14.9	12.7	11.1	19.8	14.9	11.9	9.9	8.5	7.4
	50	VC	0.34	44	34	25	20	16.8	14.4	12.6	22	16.8	13.5	11.2	9.6	8.4
	60	VC	0.37	47	37	27	22	18.3	15.7	13.7	24	18.3	14.7	12.2	10.5	9.2
	70	VC	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
	80	C	0.42	54	42	31	25	21	17.8	15.6	28	21	16.6	13.9	11.9	10.4
	90	C	0.45	58	45	33	27	22	19.1	16.7	30	22	17.8	14.9	12.7	11.1
	100	C	0.47	60	47	35	28	23	19.9	17.4	31	23	18.6	15.5	13.3	11.6
AIUB8504 (50)	30	XC	0.35	45	35	26	21	17.3	14.9	13.0	23	17.3	13.9	11.6	9.9	8.7
	40	XC	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
	50	VC	0.45	58	45	33	27	22	19.1	16.7	30	22	17.8	14.9	12.7	11.1
	60	VC	0.49	63	49	36	29	24	21	18.2	32	24	19.4	16.2	13.9	12.1
	70	VC	0.53	68	52	39	31	26	22	19.7	35	26	21	17.5	15.0	13.1
	80	C	0.57	73	56	42	34	28	24	21	38	28	23	18.8	16.1	14.1
	90	C	0.60	77	59	45	36	30	25	22	40	30	24	19.8	17.0	14.9
	100	C	0.63	81	62	47	37	31	27	23	42	31	25	21	17.8	15.6

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

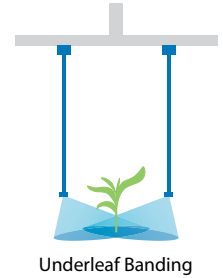
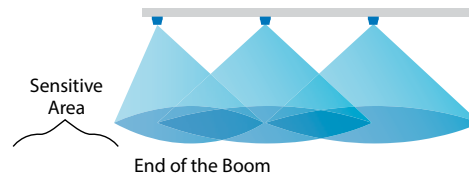
TEEJET UB - UNDERLEAF BANDING SPRAY

FEATURES

- Off-center tip with tapered flat spray characteristics.
- 85° spray angle.
- Available in brass or stainless steel.
- Operating pressure 20–60 PSI.
- Uniform distribution.
- Capacities of 0075 to 04.

MATERIALS AVAILABLE

- SS** STAINLESS STEEL
- B** BRASS



TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY TWO TIPS IN GPM	CAPACITY TWO TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING (TWO SPRAY TIPS PER ROW)										
				2 MPH	2.5 MPH	3 MPH	3.5 MPH	4MPH	4.5MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH
D25143-UB-850075 (100)	20	0.11	14	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1
	30	0.13	17	12.9	10.3	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7
	40	0.15	19	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2
	50	0.17	22	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8
	60	0.18	23	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
D25143-UB-8501 (100)	20	0.14	18	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0	4.6	4.3	4.0
	30	0.17	22	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8
	40	0.20	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7
	50	0.22	28	22	17.4	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2
	60	0.24	31	24	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8
D25143-UB-85015 (80)	20	0.21	27	21	16.6	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9
	30	0.26	33	26	21	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4
	40	0.30	38	30	24	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5
	50	0.34	44	34	27	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6
	60	0.37	47	37	29	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5
D25143-UB-8502 (50)	20	0.28	36	28	22	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9
	30	0.35	45	35	28	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9
	40	0.40	51	40	32	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3
	50	0.45	58	45	36	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7
	60	0.49	63	49	39	32	28	24	22	19.4	17.6	16.2	14.9	13.9
D25143-UB-8503 (50)	20	0.42	54	42	33	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9
	30	0.52	67	51	41	34	29	26	23	21	18.7	17.2	15.8	14.7
	40	0.60	77	59	48	40	34	30	26	24	22	19.8	18.3	17.0
	50	0.67	86	66	53	44	38	33	29	27	24	22	20	19.0
	60	0.73	93	72	58	48	41	36	32	29	26	24	22	21
D25143-UB-8504 (50)	20	0.57	73	56	45	38	32	28	25	23	21	18.8	17.4	16.1
	30	0.69	88	68	55	46	39	34	30	27	25	23	21	19.5
	40	0.80	102	79	63	53	45	40	35	32	29	26	24	23
	50	0.89	114	88	70	59	50	44	39	35	32	29	27	25
	60	0.98	125	97	78	65	55	49	43	39	35	32	30	28

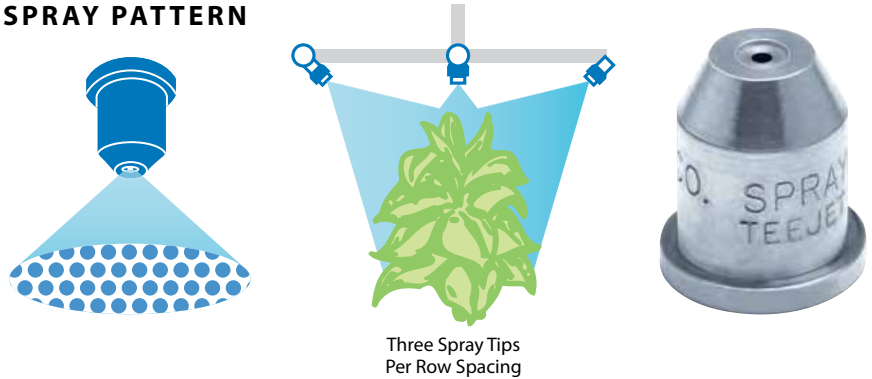
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

TEEJET - FULL CONE SPRAY

FEATURES

- Provides coarse spray with full cone pattern.
- Used frequently for tobacco plant sucker control.

SPRAY PATTERN



TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 48" SPRAY TIP SPACING (THREE SPRAY TIPS PER ROW)							
				2 MPH	2.5 MPH	3 MPH	3.5 MPH	4MPH	4.5MPH	5 MPH	5.5 MPH
TG-1	20	0.14	18	26	21	17.3	14.9	13.0	11.6	10.4	9.5
	30	0.16	20	30	24	19.8	17.0	14.9	13.2	11.9	10.8
	40	0.19	24	35	28	24	20	17.6	15.7	14.1	12.8
	60	0.23	29	43	34	28	24	21	19.0	17.1	15.5
TG-2	20	0.28	36	52	42	35	30	26	23	21	18.9
	30	0.33	42	61	49	41	35	31	27	25	22
	40	0.38	49	71	56	47	40	35	31	28	26
	60	0.46	59	85	68	57	49	43	38	34	31
TG-3	20	0.41	52	76	61	51	43	38	34	30	28
	30	0.50	64	93	74	62	53	46	41	37	34
	40	0.57	73	106	85	71	60	53	47	42	38
	60	0.68	87	126	101	84	72	63	56	50	46
TG-4	20	0.55	70	102	82	68	58	51	45	41	37
	30	0.66	84	123	98	82	70	61	54	49	45
	40	0.76	97	141	113	94	81	71	63	56	51
	60	0.91	116	169	135	113	97	84	75	68	61
TG-5	20	0.69	88	128	102	85	73	64	57	51	47
	30	0.84	108	156	125	104	89	78	69	62	57
	40	1.00	128	186	149	124	106	93	83	74	68
	60	1.16	148	215	172	144	123	108	96	86	78
TG-6	20	0.82	105	152	122	101	87	76	68	61	55
	30	0.99	127	184	147	123	105	92	82	74	67
	40	1.14	146	212	169	141	121	106	94	85	77
	60	1.37	175	254	203	170	145	127	113	102	92
TG-8	20	1.10	141	204	163	136	117	102	91	82	74
	30	1.33	170	247	198	165	141	123	110	99	90
	40	1.51	193	280	224	187	160	140	125	112	102
	60	1.82	233	338	270	225	193	169	150	135	123

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

SPRAY TIPS

CONEJET - CERAMIC VISIFLO SPRAY

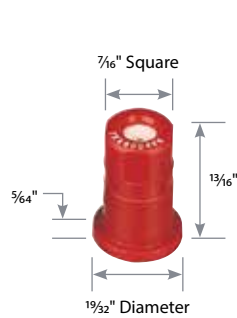
Typical Applications



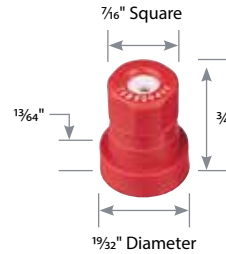
FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



TXA ConeJet



TXB ConeJet



FEATURES

- Finely atomized spray pattern provides thorough coverage.
- Ideal for banding with two or three nozzles over the row.
- VisiFlo color-coded polypropylene body and ceramic orifice insert for long wear life.
- Resists corrosion.
- Accepts more abrasive materials.
- Available in seven VisiFlo® ceramic (VK) capacities.
- Can be used with 114445A-*CELR caps and gasket.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



SPRAY PATTERN

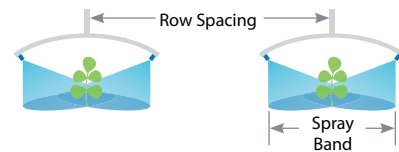


DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

	GPA CONVERSION FACTORS	
	20"	30"
8"	2.50	3.75
10"	2.00	3.00
12"	1.67	2.50
15"	1.33	2.00



To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

- Example:
- Band Width = 8" (Conversion Factor = 3.75)
 - Two tips TXA80015 at 40 PSI at 5MPH – 11.9 GPA
 - Corrected GPA = 11.9 x 3.75 = 44.6 GPA

HOW TO ORDER

Ceramic with VisiFlo color-coding

T X A 8 0 0 4 V K

Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

T X B 8 0 0 1 5 V K

Tip Type Spray Angle Capacity Size Material Code

CONEJET - CERAMIC VISFLO SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY TWO TIPS IN GPM	CAPACITY TWO TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING					CAPACITY THREE SPRAY TIPS IN GPM	CAPACITY THREE SPRAY TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING				
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH			3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
TXA800050VK TXB800050VK (100)	40	VF	0.10	13	6.6	5.0	4.0	3.3	2.8	0.15	19	9.9	7.4	5.9	5.0	4.2
	60	VF	0.12	15	7.9	5.9	4.8	4.0	3.4	0.18	23	11.9	8.9	7.1	5.9	5.1
	80	VF	0.14	18	9.2	6.9	5.5	4.6	4.0	0.20	26	13.2	9.9	7.9	6.6	5.7
	100	VF	0.15	19	9.9	7.4	5.9	5.0	4.2	0.22	28	14.5	10.9	8.7	7.3	6.2
	125	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.25	32	16.5	12.4	9.9	8.3	7.1
TXA800067VK TXB800067VK (50)	40	VF	0.13	17	8.6	6.4	5.1	4.3	3.7	0.20	26	13.2	9.9	7.9	6.6	5.7
	60	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.24	31	15.8	11.9	9.5	7.9	6.8
	80	VF	0.18	23	11.9	8.9	7.1	5.9	5.1	0.27	35	17.8	13.4	10.7	8.9	7.6
	100	VF	0.20	26	13.4	10.0	8.0	6.7	5.7	0.30	39	20	15.0	12.0	10.0	8.6
	125	VF	0.22	29	14.8	11.1	8.9	7.4	6.3	0.34	43	22	16.6	13.3	11.1	9.5
TXA8001VK TXB8001VK (50)	40	VF	0.20	26	13.2	9.9	7.9	6.6	5.7	0.30	38	19.8	14.9	11.9	9.9	8.5
	60	VF	0.24	31	15.9	11.9	9.5	7.9	6.8	0.36	46	24	17.9	14.3	11.9	10.2
	80	VF	0.27	35	18.1	13.6	10.9	9.1	7.8	0.41	53	27	20	16.3	13.6	11.6
	100	VF	0.30	39	20	15.0	12.0	10.0	8.6	0.46	58	30	23	18.0	15.0	12.9
	125	VF	0.34	43	22	16.6	13.3	11.1	9.5	0.50	65	33	25	20	16.6	14.3
TXA80015VK TXB80015VK (50)	40	VF	0.30	38	19.8	14.9	11.9	9.9	8.5	0.45	58	30	22	17.8	14.9	12.7
	60	VF	0.36	47	24	18.0	14.4	12.0	10.3	0.55	70	36	27	22	18.0	15.5
	80	VF	0.42	53	28	21	16.5	13.8	11.8	0.63	80	41	31	25	21	17.7
	100	VF	0.46	60	31	23	18.4	15.3	13.1	0.70	89	46	35	28	23	19.7
	125	VF	0.52	66	34	26	20	17.1	14.6	0.78	99	51	38	31	26	22
TXA8002VK TXB8002VK (50)	40	F	0.40	51	26	19.8	15.8	13.2	11.3	0.60	77	40	30	24	19.8	17.0
	60	VF	0.49	62	32	24	19.2	16.0	13.7	0.73	93	48	36	29	24	21
	80	VF	0.56	71	37	28	22	18.4	15.8	0.84	107	55	41	33	28	24
	100	VF	0.62	79	41	31	25	20	17.5	0.93	119	61	46	37	31	26
	125	VF	0.69	88	46	34	27	23	19.5	1.03	132	68	51	41	34	29
TXA8003VK TXB8003VK (50)	40	F	0.60	77	40	30	24	19.8	17.0	0.90	115	59	45	36	30	25
	60	VF	0.73	94	48	36	29	24	21	1.10	141	73	54	44	36	31
	80	VF	0.85	108	56	42	34	28	24	1.27	162	84	63	50	42	36
	100	VF	0.94	121	62	47	37	31	27	1.42	181	94	70	56	47	40
	125	VF	1.06	135	70	52	42	35	30	1.58	203	105	78	63	52	45
TXA8004VK TXB8004VK (50)	40	F	0.80	102	53	40	32	26	23	1.20	154	79	59	48	40	34
	60	VF	0.98	125	65	48	39	32	28	1.47	188	97	73	58	48	42
	80	VF	1.13	144	74	56	45	37	32	1.69	217	112	84	67	56	48
	100	VF	1.26	161	83	62	50	42	36	1.89	242	125	94	75	62	53
	125	VF	1.41	180	93	70	56	46	40	2.11	270	139	105	84	70	60

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.



CONEJET - HOLLOW CONE SPRAY

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



Three Spray Tips
Per Row Spacing



FEATURES

- Finely atomized spray pattern provides thorough coverage.
- Ideal for banding with two or three nozzles over the row.
- Color-coded versions consist of stainless steel or ceramic orifice in a polypropylene body. Maximum operating pressure 300 PSI.
- Standard ConeJet (not color-coded) available in brass and stainless steel in a wide range of capacities with 65° (TY) and 80° (TX) spray angles.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

	GPA CONVERSION FACTORS	
	20"	30"
8"	2.50	3.75
10"	2.00	3.00
12"	1.67	2.50
15"	1.33	2.00

To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

- Example:
- Band Width = 8" (Conversion Factor = 3.75)
 - Two tips TX-VK3 at 40 PSI at 5MPH = 4 GPA
 - Corrected GPA = 4 x 3.75 = 15 GPA

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

VK CERAMIC

B BRASS

SS STAINLESS STEEL

CONEJET - HOLLOW CONE SPRAY

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY TWO TIPS IN GPM	CAPACITY TWO TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING					CAPACITY THREE TIPS IN GPM	CAPACITY THREE TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING				
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH			3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
TX-1	40	VF	0.033	4.2	2.2	1.6	1.3	1.1	0.93	0.050	6.4	3.3	2.5	2.0	1.7	1.4
	60	VF	0.039	5.0	2.6	1.9	1.5	1.3	1.1	0.059	7.6	3.9	2.9	2.3	1.9	1.7
TX-11 (100)	75	VF	0.043	5.5	2.8	2.1	1.7	1.4	1.2	0.065	8.3	4.3	3.2	2.6	2.1	1.8
	90	VF	0.047	6.0	3.1	2.3	1.9	1.6	1.3	0.070	9.0	4.6	3.5	2.8	2.3	2.0
TX-2	120	VF	0.053	6.8	3.5	2.6	2.1	1.7	1.5	0.079	10	5.2	3.9	3.1	2.6	2.2
	40	VF	0.067	8.6	4.4	3.3	2.7	2.2	1.9	0.100	13	6.6	5.0	4.0	3.3	2.8
TX-2	60	VF	0.080	10	5.3	4.0	3.2	2.6	2.3	0.12	15	7.9	5.9	4.8	4.0	3.4
	75	VF	0.088	11	5.8	4.4	3.5	2.9	2.5	0.13	17	8.6	6.4	5.1	4.3	3.7
TX-t2 (100)	90	VF	0.095	12	6.3	4.7	3.8	3.1	2.7	0.14	18	9.2	6.9	5.5	4.6	4.0
	120	VF	0.11	14	7.3	5.4	4.4	3.6	3.1	0.16	20	10.6	7.9	6.3	5.3	4.5
TX-3	40	VF	0.10	13	6.6	5.0	4.0	3.3	2.8	0.15	19	9.9	7.4	5.9	5.0	4.2
	60	VF	0.12	15	7.9	5.9	4.8	4.0	3.4	0.18	23	11.9	8.9	7.1	5.9	5.1
TX-t3 (100)	75	VF	0.13	17	8.6	6.4	5.1	4.3	3.7	0.20	26	13.2	9.9	7.9	6.6	5.7
	90	VF	0.14	18	9.2	6.9	5.5	4.6	4.0	0.21	27	13.9	10.4	8.3	6.9	5.9
TX-4	120	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.24	31	15.8	11.9	9.5	7.9	6.8
	40	VF	0.13	17	8.6	6.4	5.1	4.3	3.7	0.20	26	13.2	9.9	7.9	6.6	5.7
TX-4	60	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.24	31	15.8	11.9	9.5	7.9	6.8
	75	VF	0.18	23	11.9	8.9	7.1	5.9	5.1	0.27	35	17.8	13.4	10.7	8.9	7.6
TX-t4 (50)	90	VF	0.19	24	12.5	9.4	7.5	6.3	5.4	0.29	37	19.1	14.4	11.5	9.6	8.2
	120	VF	0.22	28	14.5	10.9	8.7	7.3	6.2	0.33	42	22	16.3	13.1	10.9	9.3
TX-6	40	VF	0.20	26	13.2	9.9	7.9	6.6	5.7	0.30	38	19.8	14.9	11.9	9.9	8.5
	60	VF	0.24	31	15.8	11.9	9.5	7.9	6.8	0.36	46	24	17.8	14.3	11.9	10.2
TX-t6 (50)	75	VF	0.27	35	17.8	13.4	10.7	8.9	7.6	0.40	51	26	19.8	15.8	13.2	11.3
	90	VF	0.29	37	19.1	14.4	11.5	9.6	8.2	0.43	55	28	21	17.0	14.2	12.2
TX-8	120	VF	0.33	42	22	16.3	13.1	10.9	9.3	0.50	64	33	25	19.8	16.5	14.1
	40	VF	0.27	35	17.8	13.4	10.7	8.9	7.6	0.40	51	26	19.8	15.8	13.2	11.3
TX-8	60	VF	0.32	41	21	15.8	12.7	10.6	9.1	0.49	63	32	24	19.4	16.2	13.9
	75	VF	0.36	46	24	17.8	14.3	11.9	10.2	0.54	69	36	27	21	17.8	15.3
TX-t8 (50)	90	VF	0.39	50	26	19.3	15.4	12.9	11.0	0.59	76	39	29	23	19.5	16.7
	120	VF	0.45	58	30	22	17.8	14.9	12.7	0.68	87	45	34	27	22	19.2
TX-10	40	VF	0.33	42	22	16.3	13.1	10.9	9.3	0.50	64	33	25	19.8	16.5	14.1
	60	VF	0.40	51	26	19.8	15.8	13.2	11.3	0.61	78	40	30	24	20	17.3
TX-t10 (50)	75	VF	0.45	58	30	22	17.8	14.9	12.7	0.68	87	45	34	27	22	19.2
	90	VF	0.49	63	32	24	19.4	16.2	13.9	0.74	95	49	37	29	24	21
TX-12	120	VF	0.56	72	37	28	22	18.5	15.8	0.85	109	56	42	34	28	24
	40	F	0.40	51	26	19.8	15.8	13.2	11.3	0.60	77	40	30	24	19.8	17.0
TX-12	60	VF	0.49	63	32	24	19.4	16.2	13.9	0.73	93	48	36	29	24	21
	75	VF	0.54	69	36	27	21	17.8	15.3	0.81	104	53	40	32	27	23
TX-t12 (50)	90	VF	0.59	76	39	29	23	19.5	16.7	0.88	113	58	44	35	29	25
	120	VF	0.68	87	45	34	27	22	19.2	1.01	129	67	50	40	33	29
TX-18	40	F	0.60	77	40	30	24	19.8	17.0	0.90	115	59	45	36	30	25
	60	VF	0.73	93	48	36	29	24	21	1.10	141	73	54	44	36	31
TX-t18 (50)	75	VF	0.82	105	54	41	32	27	23	1.23	157	81	61	49	41	35
	90	VF	0.90	115	59	45	36	30	25	1.35	173	89	67	53	45	38
TX-26	120	VF	1.03	132	68	51	41	34	29	1.55	198	102	77	61	51	44
	40	F	0.87	111	57	43	34	29	25	1.30	166	86	64	51	43	37
TX-26	60	F	1.06	136	70	52	42	35	30	1.59	204	105	79	63	52	45
	75	VF	1.18	151	78	58	47	39	33	1.78	228	117	88	70	59	50
TX-t26 (50)	90	VF	1.30	166	86	64	51	43	37	1.94	248	128	96	77	64	55
	120	VF	1.49	191	98	74	59	49	42	2.24	287	148	111	89	74	63

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change.

†Specify material.

HOW TO ORDER

Stainless Steel with color-coding

T X - V S 4
 Tip Type | Material Code | Capacity Size

Brass

T X - 4
 Tip Type | Capacity Size

Stainless Steel

T X - S S 4
 Tip Type | Material Code | Capacity Size

Ceramic with color-coding

T X - V K 4
 Tip Type | Material Code | Capacity Size

CONEJET - HOLLOW CONE SPRAY

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
EXCELLENT



FEATURES

- Finely atomized spray pattern provides thorough coverage.
- Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops.
- Color-coded version consists of stainless steel or ceramic orifice in polypropylene body.
- Spray angle is 80° at 100 PSI.
- TX-VS1 and TX-VS2 available in VisiFlo® color-coded stainless steel only.
- Compatible with TeeJet cap CP20230 for use on rollovers and threaded nozzle bodies, tighten to a maximum torque of: 100 in-lbs.
- Uses 114445A-*-CELR Quick TeeJet® cap and gasket.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

- VS** STAINLESS STEEL
- VK** CERAMIC
- SS** STAINLESS STEEL
- B** BRASS

CONEJET - HOLLOW CONE SPRAY

TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TX-VS1	100	0.015	0.017	0.018	0.020	0.021	0.022	0.023	0.024	0.026	0.028	0.030	0.031	0.032	0.034	0.035	0.036	0.037	0.038
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VS2	100	0.029	0.033	0.037	0.040	0.043	0.045	0.047	0.050	0.054	0.058	0.061	0.064	0.067	0.070	0.073	0.075	0.078	0.080
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK3	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK4	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK6	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK8	50	0.116	0.133	0.148	0.162	0.174	0.186	0.196	0.207	0.225	0.243	0.259	0.274	0.288	0.301	0.314	0.326	0.338	0.349
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK10	50	0.145	0.167	0.185	0.202	0.218	0.232	0.246	0.258	0.282	0.303	0.323	0.342	0.360	0.376	0.392	0.408	0.422	0.437
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK12	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK18	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK26	50	0.376	0.433	0.484	0.530	0.572	0.611	0.648	0.683	0.747	0.807	0.862	0.914	0.963	1.01	1.05	1.10	1.14	1.18
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

SPRAY TIPS

HOW TO ORDER

Stainless Steel with color-coding

T X - V S 4

Tip Type Material Code

Ceramic with color-coding

T X - V K 4

Tip Type Material Code

Brass

T X - 4

Tip Type

Stainless Steel

T X - S S 4

Tip Type Material Code



CONEJET - VISIFLO HOLLOW CONE SPRAY

Typical Applications



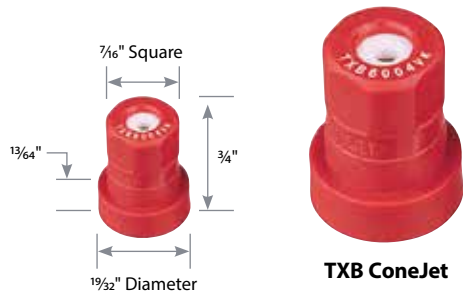
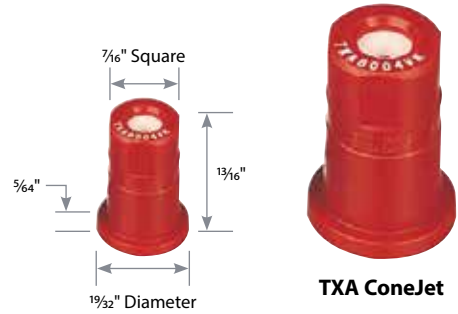
FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
EXCELLENT



FEATURES

- Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops.
- Maximum operating pressure 300 PSI. Spray angle is 80° at 100 PSI.
- Finely atomized spray pattern provides thorough coverage.
- Longer wear life.
- Resists corrosion.
- Accepts more abrasive pesticide formulation.
- VisiFlo® color-code in a polypropylene body for use with corrosive materials and ceramic insert.
- TXA and TXB compatible with TeeJet cap CP20230 for use on rollovers and threaded nozzle bodies, tighten to a maximum torque of: 100 in-lbs.
- TXA uses 114445A-*CELR Quick TeeJet® cap and gasket.
- TXB to be used with Albus® caps or equivalent.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



CONEJET - VISIFLO HOLLOW CONE SPRAY

TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TX†800050VK	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†800067VK	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8001VK	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†80015VK	50	0.131	0.150	0.167	0.182	0.196	0.209	0.221	0.232	0.254	0.273	0.291	0.308	0.324	0.339	0.353	0.367	0.380	0.393
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8002VK	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8003VK	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8004VK	50	0.347	0.400	0.447	0.489	0.528	0.564	0.598	0.630	0.690	0.745	0.796	0.843	0.889	0.932	0.973	1.01	1.05	1.09
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

†Specify "A" or "B."

SPRAY TIPS

HOW TO ORDER

Ceramic with VisiFlo color-coding

T X A 8 0 0 4 V K

Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

T X B 8 0 0 4 V K

Tip Type Spray Angle Capacity Size Material Code



TXR CONEJET - HOLLOW CONE SPRAY

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
BROADCAST
EXCELLENT



SPRAY TIPS

FEATURES

- Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops.
- Produces uniform, 80° hollow cone spray pattern.
- Flow rates are matched to serve as a direct replacement for commonly used non-TeeJet hollow cone spray tips.
- High-quality ceramic orifice provides superior wear life, including high-pressure operation.
- Low profile acetal tip body provides minimal impact with foliage and excellent chemical resistance.
- Snap-fit backup plate provides positive retention when handled in field, but allows for tool-free removal for easy cleaning.
- Best suited for use with TeeJet 98450 series brass rollover valves and TeeJet cap CP20230, tighten to a maximum torque of: 100 in-lbs.
- Compatible with Quick TeeJet® Cap CP114395-1-NYB or 114396-1-NYR, (cap, gasket, and O-ring).

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



TXR CONEJET - HOLLOW CONE SPRAY

TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																				
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI	320 PSI	340 PSI	360 PSI
TXR800053VK	100	0.046	0.053	0.059	0.064	0.069	0.073	0.077	0.081	0.089	0.095	0.101	0.107	0.113	0.118	0.123	0.127	0.132	0.136	0.140	0.144	0.148
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR800071VK	50	0.062	0.071	0.079	0.086	0.093	0.099	0.105	0.110	0.120	0.129	0.138	0.146	0.153	0.160	0.167	0.174	0.180	0.186	0.192	0.197	0.203
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8001VK	50	0.087	0.100	0.111	0.121	0.131	0.139	0.147	0.155	0.169	0.182	0.194	0.205	0.216	0.226	0.235	0.245	0.253	0.262	0.270	0.278	0.286
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80013VK	50	0.116	0.133	0.148	0.162	0.174	0.186	0.196	0.207	0.225	0.243	0.259	0.274	0.288	0.301	0.314	0.326	0.338	0.349	0.360	0.371	0.381
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80015VK	50	0.131	0.150	0.167	0.182	0.196	0.209	0.221	0.232	0.254	0.273	0.291	0.308	0.324	0.339	0.353	0.367	0.380	0.393	0.405	0.417	0.429
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80017VK	50	0.145	0.167	0.185	0.202	0.218	0.232	0.246	0.258	0.282	0.303	0.323	0.342	0.360	0.376	0.392	0.408	0.422	0.437	0.450	0.464	0.476
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8002VK	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524	0.540	0.556	0.572
		F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80028VK	50	0.240	0.275	0.306	0.334	0.359	0.383	0.405	0.426	0.465	0.500	0.533	0.564	0.594	0.621	0.648	0.673	0.697	0.720	0.743	0.765	0.786
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8003VK	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815	0.841	0.867	0.892
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80036VK	50	0.309	0.356	0.398	0.435	0.470	0.502	0.532	0.561	0.614	0.663	0.708	0.751	0.791	0.829	0.866	0.901	0.935	0.967	0.999	1.03	1.06
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8004VK	50	0.347	0.400	0.447	0.489	0.528	0.564	0.598	0.630	0.690	0.745	0.796	0.843	0.889	0.932	0.973	1.01	1.05	1.09	1.12	1.16	1.19
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80049VK	50	0.423	0.488	0.545	0.597	0.644	0.688	0.730	0.769	0.842	0.909	0.971	1.03	1.09	1.14	1.19	1.24	1.28	1.33	1.37	1.41	1.45
		F	F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

SPRAY TIPS

Note: Always double check your application rates. Droplet size classification shown are based on ISO 25358. Droplet size is subject to change. Tabulations are based on spraying water at 70°F.

HOW TO ORDER

Ceramic with color-coding

T X R 8 0 0 3 V K

Tip Type Spray Angle Capacity Size Material Code

Ceramic with color-coding, 100 Tip Pack

T X R 8 0 0 3 V K - 1 0 0 X

Tip Type Spray Angle Capacity Size Material Code

AITX CONEJET - AIR INDUCTION HOLLOW CONE SPRAY

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



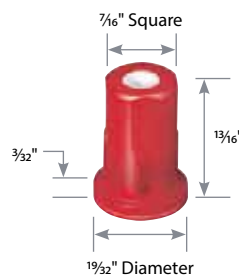
INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
VERY GOOD



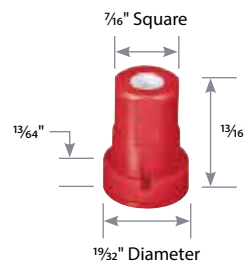
FERTILIZER
EXCELLENT



DRIFT CONTROL
EXCELLENT



AITXA ConeJet



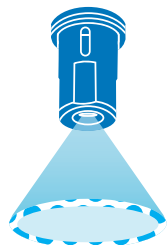
AITXB ConeJet



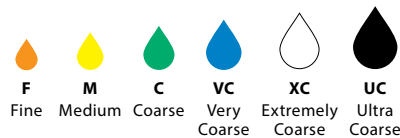
FEATURES

- Hollow cone spray pattern is ideal for air blast and directed spray applications.
- Larger droplets are produced, compared to the standard TX ConeJet, through the use of a Venturi air aspirator resulting in reduced drift and improved canopy penetration.
- Constructed of polypropylene, ceramic and FKM for excellent chemical and wear resistance.
- Removable pre-orifice for fast and easy cleaning.
- AITXA to be used with 114445A-*-CELR Quick TeeJet® cap.
- AITXB to be used with Albuzz® caps or equivalent.
- AITXA and AITXB Compatible with TeeJet cap CP20230 for use on rollovers and threaded nozzle bodies, tighten to a maximum torque of: 100 in-lbs.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



AITX CONEJET - AIR INDUCTION HOLLOW CONE SPRAY

TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)														
		60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
AITX†8001VK	50	0.121	0.130	0.138	0.146	0.154	0.168	0.181	0.192	0.203	0.214	0.224	0.233	0.242	0.251	0.260
		XC	VC	VC	VC	VC	C	C	M	M	M	F	F	F	F	F
AITX†80015VK	50	0.181	0.195	0.209	0.221	0.233	0.255	0.275	0.294	0.312	0.328	0.344	0.359	0.374	0.388	0.401
		XC	VC	VC	VC	VC	C	C	M	M	M	F	F	F	F	F
AITX†8002VK	50	0.247	0.195	0.286	0.303	0.320	0.351	0.379	0.405	0.430	0.453	0.476	0.497	0.517	0.537	0.556
		XC	VC	VC	VC	VC	C	C	C	C	M	M	M	M	F	F
AITX†80025VK	50	0.300	0.324	0.347	0.368	0.387	0.424	0.458	0.490	0.519	0.548	0.574	0.600	0.624	0.648	0.670
		XC	XC	XC	XC	VC	VC	VC	VC	C	M	M	M	M	F	F
AITX†8003VK	50	0.360	0.389	0.417	0.443	0.467	0.513	0.554	0.594	0.630	0.665	0.698	0.730	0.760	0.790	0.818
		XC	XC	XC	XC	VC	VC	VC	VC	C	M	M	M	M	F	F
AITX†8004VK	50	0.480	0.519	0.556	0.590	0.623	0.684	0.740	0.792	0.841	0.887	0.931	0.974	1.01	1.05	1.09
		UC	UC	XC	XC	VC	VC	VC	VC	C	C	M	M	M	M	M

HOW TO ORDER

Ceramic with VisiFlo color-coding

A I T X A 8 0 0 1 V K

Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

A I T X B 8 0 0 1 V K

Tip Type Spray Angle Capacity Size Material Code



SPRAY TIPS

TEEJET - VISIFLO FLAT SPRAY

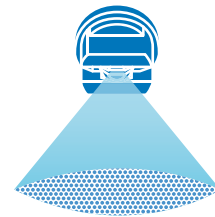
FEATURES

- Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops.
- Tapered-edge flat spray pattern for uniform coverage.
- VisiFlo color-coded version available with ceramic orifice for long wear life.



TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TP8001VK	100	0.087	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27
TP80015VK	100	0.13	0.15	0.17	0.18	0.20	0.21	0.23	0.24	0.26	0.28	0.30	0.32	0.34	0.35	0.37	0.38	0.40	0.41
TP8002VK	50	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.35	0.37	0.40	0.42	0.45	0.47	0.49	0.51	0.53	0.55
XR8003VK	50	0.26	0.30	0.34	0.37	0.40	0.42	0.45	0.47	0.52	0.56	0.60	0.64	0.67	0.70	0.73	0.76	0.79	0.82
XR8004VK	50	0.35	0.40	0.45	0.49	0.53	0.57	0.60	0.63	0.69	0.75	0.80	0.85	0.89	0.94	0.98	1.02	1.06	1.10
XR8005VK	50	0.43	0.50	0.56	0.61	0.66	0.71	0.75	0.79	0.87	0.94	1.00	1.06	1.12	1.17	1.22	1.27	1.32	1.37
XR8006VK	50	0.52	0.60	0.67	0.73	0.79	0.85	0.90	0.95	1.04	1.12	1.20	1.27	1.34	1.41	1.47	1.53	1.59	1.64
XR8008VK	50	0.69	0.80	0.89	0.98	1.06	1.13	1.20	1.26	1.39	1.50	1.60	1.70	1.79	1.88	1.96	2.04	2.12	2.19

SPRAY PATTERN



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

CONEJET - VISIFLO FLAT SPRAY

Typical Assembly



4514-NY
Slotted Strainer*



TXR Tip



CP20230
TeeJet Cap

*Use CP20229-NY gasket when 4514-NY Nylon slotted strainer is not used.

98450 Double Outlet Rollover

SPRAY TIPS

TEEJET - DISC-CORE TYPE HOLLOW CONE SPRAY

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
EXCELLENT

SPRAY PATTERN

Produced by cores #13, 23, 25, 45 and 46.



DISC	CORE	DISC DIA. (INCH)	CAPACITY (GPM)										ANGLE		
			10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
D1	DC13	.031	—	—	.059	.066	.078	.088	.097	.115	.128	.152	—	51°	62°
D1.5	DC13	.036	—	.057	.067	.075	.088	.098	.110	.127	.142	.167	38°	55°	66°
D2	DC13	.041	—	.064	.075	.08	.10	.11	.12	.14	.16	.18	49°	67°	72°
D3	DC13	.047	—	.071	.08	.09	.11	.12	.13	.16	.18	.20	53°	70°	75°
D4	DC13	.063	.070	.09	.11	.12	.14	.16	.17	.20	.23	.27	69°	79°	83°
D1	DC23	.031	—	.064	.072	.080	.096	.107	.124	.139	.164	—	47°	58°	
D1.5	DC23	.036	—	.064	.076	.086	.103	.117	.130	.155	.175	.210	34°	51°	62°
D2	DC23	.041	—	.078	.092	.10	.13	.14	.16	.19	.21	.25	51°	63°	70°
D3	DC23	.047	.065	.087	.10	.12	.14	.16	.18	.21	.24	.28	58°	69°	75°
D4	DC23	.063	.082	.113	.14	.15	.19	.21	.23	.28	.32	.38	68°	82°	87°
D5	DC23	.078	.095	.13	.16	.18	.22	.25	.28	.34	.38	.46	79°	89°	94°
D6	DC23	.094	.112	.15	.19	.21	.26	.29	.32	.39	.45	.54	84°	93°	98°
D1	DC25	.031	—	.088	.101	.122	.138	.156	.185	.210	.255	—	27°	43°	
D1.5	DC25	.036	—	.118	.135	.162	.185	.205	.245	.280	.33	—	38°	49°	
D2	DC25	.041	—	.12	.14	.16	.19	.22	.25	.29	.34	.41	39°	51°	58°
D3	DC25	.047	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	52°	61°	67°
D4	DC25	.063	.15	.21	.25	.29	.35	.40	.45	.54	.62	.75	67°	74°	80°
D5	DC25	.078	.18	.25	.30	.35	.42	.48	.54	.65	.75	.90	73°	79°	84°
D6	DC25	.094	.23	.32	.39	.44	.54	.62	.70	.85	.97	1.19	79°	85°	89°
D7	DC25	.109	.26	.37	.45	.52	.63	.73	.81	.98	1.18	1.37	85°	91°	93°
D8	DC25	.125	.31	.43	.53	.61	.75	.89	.97	1.19	1.36	1.68	91°	96°	97°
D10	DC25	.156	.38	.54	.65	.76	.93	1.07	1.21	1.48	1.71	2.1	97°	102°	103°
D12	DC25	.188	.46	.61	.80	.93	1.15	1.32	1.47	1.81	2.09	2.55	103°	109°	112°
D14	DC25	.219	.51	.72	.88	1.03	1.26	1.47	1.65	2.02	2.34	2.89	108°	113°	114°
D1	DC45	.031	—	—	.125	.148	.170	.190	.225	.257	.310	—	22°	34°	
D1.5	DC45	.036	—	.14	.16	.20	.23	.25	.31	.35	.43	—	33°	44°	
D2	DC45	.041	—	.14	.18	.20	.25	.28	.32	.38	.44	.53	32°	46°	55°
D3	DC45	.047	—	.17	.20	.23	.28	.33	.36	.44	.51	.62	40°	53°	60°
D4	DC45	.063	.18	.25	.31	.36	.43	.50	.56	.68	.78	.95	62°	69°	72°
D5	DC45	.078	.23	.32	.39	.45	.55	.64	.71	.86	.99	1.22	67°	73°	76°
D6	DC45	.094	.29	.41	.50	.58	.72	.83	.93	1.15	1.33	1.64	73°	79°	81°
D7	DC45	.109	.33	.48	.59	.68	.84	.97	1.11	1.35	1.57	1.94	81°	86°	87°
D8	DC45	.125	.41	.59	.72	.84	1.04	1.21	1.35	1.68	1.94	2.40	86°	90°	90°
D10	DC45	.156	.54	.77	.94	1.10	1.35	1.57	1.77	2.18	2.50	3.10	90°	93°	93°
D12	DC45	.188	.67	.95	1.17	1.36	1.68	1.95	2.20	2.69	3.11	3.80	97°	100°	102°
D14	DC45	.218	.75	1.07	1.32	1.53	1.89	2.19	2.45	3.00	3.49	4.30	101°	104°	105°
D16	DC45	.250	.86	1.25	1.54	1.79	2.20	2.57	2.89	3.54	4.11	5.20	108°	111°	112°
D1	DC46	.031	—	—	.145	.178	.205	.23	.28	.32	.39	—	13°	15°	
D1.5	DC46	.036	—	—	.213	.260	.300	.33	.41	.46	.56	—	15°	17°	
D2	DC46	.041	—	.24	.27	.33	.37	.42	.50	.57	.68	—	18°	21°	
D3	DC46	.047	—	.23	.28	.32	.39	.45	.51	.61	.70	.86	14°	20°	24°
D4	DC46	.063	.28	.39	.48	.56	.68	.78	.88	1.07	1.23	1.52	23°	29°	33°
D5	DC46	.078	.38	.54	.66	.77	.94	1.10	1.25	1.50	1.73	2.13	33°	39°	42°
D6	DC46	.094	.55	.78	.95	1.10	1.35	1.58	1.73	2.16	2.50	3.06	42°	48°	50°
D7	DC46	.109	—	.98	1.22	1.39	1.72	1.97	2.22	2.73	3.15	3.85	48°	53°	56°
D8	DC46	.125	—	—	1.59	1.84	2.25	2.62	2.93	3.60	4.17	5.05	—	60°	62°
D10	DC46	.156	—	—	2.15	2.48	3.05	3.53	3.96	4.83	5.59	6.80	—	66°	68°

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.



CP114444A-CE Quick TeeJet Cap
For ceramic disc and core.

RECOMMENDED PRESSURE RANGE



10-300 PSI

MATERIALS AVAILABLE

VP POLYMER

HSS HARDENED STAINLESS STEEL

SS STAINLESS STEEL

B BRASS

VK CERAMIC

NY NYLON

SPRAY TIPS

TEEJET - DISC-CORE TYPE FULL CONE SPRAY

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
EXCELLENT

SPRAY PATTERN

Produced by Cores #31, 33, 35 and 56



FEATURES

- Ideal for airblast sprayers.
- Produce smaller droplets for thorough coverage with contact pesticides and foliar applications.
- Available in a variety of combinations of disc and core, resulting in different rates and spray angle.
- Maximum spray pressure to 300 PSI.
- Available in different material type to better suit different pressure range and pesticide formulation.
- Ceramic disc and core are more suitable for abrasive and corrosive pesticide and fertilizers.

ORIFICE DISCS

Available in a variety of sizes and materials. Ceramic for increased wear life, hardened stainless steel, stainless steel and polymer.

Ceramic Sizes Available

DCER-2 through DCER-8, DCER-10



CORES

Standard cores are made of brass. Also available in ceramic, hardened stainless steel and Nylon. All cores with the exception of ceramic are made with rear "nibs". Make sure core is always placed with the nib facing the nozzle body.

Ceramic Sizes Available

DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC33-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER



SPRAY TIPS

TEEJET - DISC-CORE TYPE FULL CONE SPRAY

DISC	CORE	DISC DIA. (INCH)	CAPACITY (GPM)										ANGLE		
			10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
D1	DC31	.031	.08	.11	.13	.15	.18	.20	.23	.27	.31	.37	49°	47°	43°
D1.5	DC31	.036	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	57°	65°	53°
D2	DC31	.041	.12	.16	.19	.22	.26	.30	.33	.40	.45	.55	62°	63°	61°
D3	DC31	.047	.13	.18	.21	.24	.29	.33	.37	.44	.50	.60	63°	65°	63°
D1	DC33	.031	.09	.11	.12	.14	.17	.20	.22	.26	.30	.37	27°	32°	35°
D1.5	DC33	.036	.12	.15	.17	.19	.23	.26	.30	.36	.41	.50	37°	43°	45°
D2	DC33	.041	.13	.17	.21	.24	.29	.33	.37	.45	.52	.63	45°	52°	55°
D3	DC33	.047	.15	.21	.25	.29	.36	.41	.45	.55	.63	.76	48°	54°	57°
D4	DC33	.063	.20	.28	.34	.39	.47	.54	.60	.73	.83	1.02	50°	56°	61°
D1	DC35	.031	.08	.11	.13	.14	.17	.20	.22	.26	.29	.35	19°	23°	26°
D1.5	DC35	.036	.10	.14	.17	.19	.23	.26	.29	.34	.39	.46	23°	27°	29°
D2	DC35	.041	.14	.18	.24	.25	.30	.34	.37	.45	.51	.60	40°	44°	47°
D3	DC35	.047	.16	.22	.26	.30	.36	.41	.45	.55	.62	.74	45°	50°	52°
D4	DC35	.063	.27	.37	.44	.50	.60	.70	.79	.93	1.1	1.3	68°	70°	71°
D5	DC35	.078	.34	.48	.58	.66	.80	.92	1.0	1.2	1.4	1.7	67°	69°	71°
D2	DC56	.041	—	—	.21	.25	.30	.35	.39	.47	.55	.67	—	14°	17°
D3	DC56	.047	—	—	.29	.34	.41	.48	.53	.65	.75	.92	—	20°	23°
D4	DC56	.063	—	.39	.48	.55	.67	.78	.87	1.06	1.23	1.51	20°	26°	29°
D5	DC56	.078	.38	.54	.66	.76	.93	1.08	1.20	1.47	1.69	2.08	26°	32°	34°
D6	DC56	.094	.55	.78	.95	1.10	1.35	1.55	1.74	2.13	2.46	3.02	34°	39°	41°
D7	DC56	.109	.76	1.07	1.32	1.52	1.86	2.15	2.40	2.94	3.40	4.16	45°	52°	54°
D8	DC56	.125	.96	1.36	1.67	1.93	2.36	2.73	3.05	3.73	4.32	5.28	52°	57°	59°
D10	DC56	.156	1.35	1.91	2.34	2.70	3.31	3.82	4.26	5.22	6.03	7.39	62°	65°	67°

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

RECOMMENDED PRESSURE RANGE



10-300 PSI

MATERIALS AVAILABLE



STAINLESS STEEL



POLYMER



HARDENED STAINLESS STEEL



STAINLESS STEEL



BRASS



CERAMIC



NYLON

For proper assembly and performance, disc and core must both be of like materials. To order orifice Disc, specify Disc number and material.

Ceramic Hardened Stainless Steel Stainless Steel Polymer
 D C E R - 2 D 2 D E - 2 D V P - 2

To order core, specify core number and material.

Ceramic Hardened Stainless Steel Brass
 D C 1 3 - C E R D C 1 3 - H S S D C 1 3

Nylon
 D C 1 3 - N Y

Seal Gasket
 C P 1 8 9 9 9 - E P R

Strainer Note: For nozzles using orifice disc numbers 1, 1.5 and 2; or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.

STREAMJET - SJ3 MULTIPLE SOLID STREAM

Typical Applications



**FERTILIZER
BROADCAST
EXCELLENT**



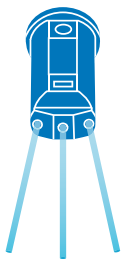
**DRIFT
CONTROL
EXCELLENT**



FEATURES

- Excellent for application of liquid fertilizer on bare ground or in standing crop.
- Three-stream pattern is ideal for directed application.
- Three solid streams of equal velocity and capacity.
- Offered in a variety of sizes for a wide range of application rates.
- VisiFlo® color-coding for easy capacity identification.
- All acetal construction for excellent chemical resistance.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- Equally spaced distribution at 20" height.
- Use with Quick TeeJet® 114443A-*--CELR cap and gasket.

SPRAY PATTERN



OPTIMUM SPACING AND SPRAY HEIGHT

HEIGHT	SPACING
20"	20"
30"	30"
40"	40"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

S J 3 - 0 3 - V P

Tip Type

Capacity Size

Material Code

SPRAY TIPS

STREAMJET - SJ3 MULTIPLE SOLID STREAM

TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING										
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ3-015-VP (100)	20	0.11	10.9	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.8	1.6
	30	0.13	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	60	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
SJ3-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	50	0.21	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	60	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
SJ3-03-VP (50)	20	0.24	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
SJ3-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	30	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.47	47	35	28	23	17.4	14.0	11.6	10.0	8.7	7.8	7.0
SJ3-05-VP (50)	20	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	0.55	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2
	60	0.59	58	44	35	29	22	17.5	14.6	12.5	11.0	9.7	8.8
SJ3-06-VP (50)	20	0.42	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
	50	0.66	65	49	39	33	25	19.6	16.3	14.0	12.3	10.9	9.8
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
SJ3-08-VP	20	0.56	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	50	0.88	87	65	52	44	33	26	22	18.7	16.3	14.5	13.1
	60	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0
SJ3-10-VP	20	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
	50	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5
	60	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7
SJ3-15-VP	20	0.99	98	74	59	49	37	29	25	21	18.4	16.3	14.7
	30	1.24	123	92	74	61	46	37	31	26	23	20	18.4
	40	1.50	149	111	89	74	56	45	37	32	28	25	22
	50	1.68	166	125	100	83	62	50	42	36	31	28	25
	60	1.83	181	136	109	91	68	54	45	39	34	30	27
SJ3-20-VP	20	1.41	140	105	84	70	52	42	35	30	26	23	21
	30	1.75	173	130	104	87	65	52	43	37	32	29	26
	40	2.00	198	149	119	99	74	59	50	42	37	33	30
	50	2.28	226	169	135	113	85	68	56	48	42	38	34
	60	2.49	247	185	148	123	92	74	62	53	46	41	37

SPRAY TIPS

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

STREAMJET - SJ3-VR VARIABLE RATE

Typical Applications



**FERTILIZER
BROADCAST
EXCELLENT**



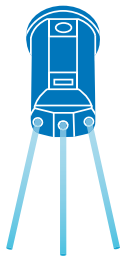
**DRIFT
CONTROL
EXCELLENT**



FEATURES

- The SJ3-VR line of variable rate fertilizer spray tips feature a variable diameter orifice that produces a wide range of flow rates—it's like having five tips in one.
- Allows for a wider range of ground speeds and/or application rates from a single tip for improved productivity.
- Are also ideal for variable rate prescription map applications.
- SJ3-VR tip produces three identical fluid streams for excellent distribution quality in directed applications.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- Acetal body and deflector plate construction for good wear life and chemical resistance.
- Simple, elastomer (EPDM) variable orifice for reliable operation.
- SJ3-VR are intended for use with flow meter based control systems only.
- Multiple capacities available for a wider range of application rates.

SPRAY PATTERN



OPTIMUM SPACING AND SPRAY HEIGHT

HEIGHT	SPACING
15"	15"
20"	20"
30"	30"

*For best spray distribution maintain a 1:1 ratio of tip height to tip spacing.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo® color-coding

S J 3 - V R - X 2 . 0

Tip
Type

Material
Code

Capacity
Size

STREAMJET - SJ3-VR VARIABLE RATE

TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 15" SPRAY TIP SPACING												APPLICATION RATE FOR 20" SPRAY TIP SPACING											
				3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH		
				(Detailed application rate data for 15" and 20" spacing follows in the main table body)																							

SPRAY TIPS

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

SPEED RANGE FOR VARIOUS APPLICATION RATES

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 15" SPACING																GROUND SPEED RANGE (MPH) FOR 20" SPACING															
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SJ3-VR-X0.5	10	33*	5.1	17	3.4	11	2.6	8.3	2.1	6.7	1.7	5.5	1.5	4.8	1.3	4.2	7.7	25	3.9	12	2.6	8.3	1.9	6.2	1.5	5.0	1.3	4.2	1.1	3.6	1.0	3.1
SJ3-VR-X1.0	17	74*	8.3	37*	5.5	25	4.2	18	3.3	15	2.8	12	2.4	11	2.1	9.2	12	55	6.2	28	4.2	18	3.1	14	2.5	11	2.1	9.2	1.8	7.9	1.6	6.9
SJ3-VR-X2.0	-	-	22	65*	15	43*	11	32*	9	26*	7	22	6	19	5	16	-	-	16	49	11	32	8.2	24	6.5	19	5.4	16	4.7	14	4.1	12

*For safest application, recommended maximum speed is 25 MPH.

STREAMJET - SJ7A MULTIPLE SOLID STREAM

Typical Applications



FERTILIZER
BROADCAST
EXCELLENT



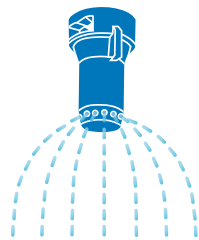
DRIFT CONTROL
EXCELLENT



FEATURES

- Excellent for application of liquid fertilizer on bare ground or in standing crop.
- Seven-stream pattern is ideal for broadcast application.
- Creates seven identical fluid streams of equal velocity and capacity.
- Excellent spray distribution quality.
- Removable metering orifice for easy cleaning.
- Offered in a variety of sizes for a wide range of application rates.
- VisiFlo® color-coding for easy capacity identification.
- All acetal construction for excellent chemical resistance.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- SJ7A spray tip molded into Quick TeeJet® cap.

SPRAY PATTERN



OPTIMUM SPACING AND SPRAY HEIGHT

HEIGHT	SPACING
20"	20"
30"	30"
40"	40"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo color-coding

S J 7 A - 0 4 - V P

Tip Type Capacity Size Material Code



50854-NYB
Extension Adapter

SPRAY TIPS

STREAMJET - SJ7A MULTIPLE SOLID STREAM

TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING										
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ7A-015-VP (100)	20	0.10	9.9	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5
	30	0.12	11.9	8.9	7.1	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	60	0.18	17.8	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7
SJ7A-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	50	0.23	23	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.8	3.4
	60	0.25	25	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7
SJ7A-03-VP (50)	20	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
SJ7A-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	30	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.46	46	34	27	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8
SJ7A-05-VP (50)	20	0.38	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	60	0.58	57	43	34	29	22	17.2	14.4	12.3	10.8	9.6	8.6
SJ7A-06-VP (50)	20	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
	50	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
SJ7A-08-VP	20	0.57	56	42	34	28	21	16.9	14.1	12.1	10.6	9.4	8.5
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	50	0.87	86	65	52	43	32	26	22	18.5	16.1	14.4	12.9
	60	0.93	92	69	55	46	35	28	23	19.7	17.3	15.3	13.8
SJ7A-10-VP	20	0.71	70	53	42	35	26	21	17.6	15.1	13.2	11.7	10.5
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
	50	1.09	108	81	65	54	40	32	27	23	20	18.0	16.2
	60	1.16	115	86	69	57	43	34	29	25	22	19.1	17.2
SJ7A-15-VP	20	1.03	102	76	61	51	38	31	25	22	19.1	17.0	15.3
	30	1.29	128	96	77	64	48	38	32	27	24	21	19.2
	40	1.50	149	111	89	74	56	45	37	32	28	25	22
	50	1.64	162	122	97	81	61	49	41	35	30	27	24
	60	1.76	174	131	105	87	65	52	44	37	33	29	26

SPRAY TIPS

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

STREAMJET - SJ7A-VR VARIABLE RATE

Typical Applications



**FERTILIZER
BROADCAST
EXCELLENT**



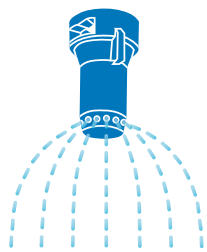
**DRIFT
CONTROL
EXCELLENT**



FEATURES

- The SJ7A-VR line of variable rate fertilizer spray tips feature a variable diameter orifice that produces a wide range of flow rates—it's like having five tips in one.
- Allows for a wider range of ground speeds and/or application rates from a single tip for improved productivity.
- Also ideal for variable rate prescription map applications.
- SJ7A-VR tip produces seven identical fluid streams for excellent distribution quality in broadcast applications.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- Acetal body and deflector plate construction for good wear life and chemical resistance.
- Simple, elastomer (EPDM) variable orifice for reliable operation.
- SJ7A-VR are intended for use with flow meter based control systems only.
- Multiple capacities available for wider range of application rates.

SPRAY PATTERN



OPTIMUM SPACING AND SPRAY HEIGHT

HEIGHT	SPACING
20"	20"
30"	30"
40"	40"

*For best spray distribution maintain a 1:1 ratio of tip height to tip spacing.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



HOW TO ORDER

Polymer with VisiFlo® color-coding

S J 7 A - V R - X 2 . 0

Tip
Type

Material
Code

Capacity
Size

SPRAY TIPS

STREAMJET - SJ7A-VR VARIABLE RATE

TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING										APPLICATION RATE FOR 30" SPRAY TIP SPACING									
				5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH		
SJ7AVR-X0.5	30	0.16	20	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	6.3	5.3	4.0	3.2	2.6	2.3	2.0	1.8	1.6		
	40	0.19	24	11.3	9.4	7.1	5.6	4.7	4.0	3.5	3.1	2.8	7.5	6.3	4.7	3.8	3.1	2.7	2.4	2.1	1.9		
	50	0.22	28	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3	8.7	7.3	5.4	4.4	3.6	3.1	2.7	2.4	2.2		
	60	0.26	33	15.4	12.9	9.7	7.7	6.4	5.5	4.8	4.3	3.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6		
	70	0.30	38	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0		
	80	0.35	45	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	13.9	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5		
SJ7AVR-X1.0	30	0.28	36	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	11.1	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8		
	40	0.35	45	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	13.9	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5		
	50	0.44	56	26	22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	17.4	14.5	10.9	8.7	7.3	6.2	5.4	4.8	4.4		
	60	0.55	70	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2	22	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.4		
	70	0.67	86	40	33	25	19.9	16.6	14.2	12.4	11.1	9.9	27	22	16.6	13.3	11.1	9.5	8.3	7.4	6.6		
	80	0.80	102	48	40	30	24	19.8	17.0	14.9	13.2	11.9	32	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9		
SJ7AVR-X2.0	30	0.70	90	42	35	26	21	17.3	14.9	13.0	11.6	10.4	28	23	17.3	13.9	11.6	9.9	8.7	7.7	6.9		
	40	0.85	109	50	42	32	25	21	18.0	15.8	14.0	12.6	34	28	21	16.8	14.0	12.0	10.5	9.4	8.4		
	50	1.00	128	59	50	37	30	25	21	18.6	16.5	14.9	40	33	25	19.8	16.5	14.1	12.4	11.0	9.9		
	60	1.17	150	69	58	43	35	29	25	22	19.3	17.4	46	39	29	23	19.3	16.5	14.5	12.9	11.6		
	70	1.35	173	80	67	50	40	33	29	25	22	20	53	45	33	27	22	19.1	16.7	14.9	13.4		
	80	1.55	198	92	77	58	46	38	33	29	26	23	61	51	38	31	26	22	19.2	17.1	15.3		

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

SPRAY TIPS

SPEED RANGE FOR VARIOUS APPLICATION RATES

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 20" SPACING																GROUND SPEED RANGE (MPH) FOR 30" SPACING															
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SJ7AVR-X0.5	9.5	21	4.8	10	3.2	6.9	2.4	5.2	1.9	4.2	1.6	3.5	1.4	3.0	1.2	2.6	6.3	14	3.2	6.9	2.1	4.6	1.6	3.5	1.3	2.8	1.1	2.3	0.9	2.0	0.8	1.7
SJ7AVR-X1.0	17	48*	8.3	24	5.5	16	4.2	12	3.3	9.5	2.8	7.9	2.4	6.8	2.1	5.9	11	32	5.5	16	3.7	11	2.8	7.9	2.2	6.3	1.8	5.3	1.6	4.5	1.4	4.0
SJ7AVR-X2.0	-	-	21	46*	14	31*	10	23	8.3	18	6.9	15	5.9	13	5.2	12	-	-	14	31*	9.2	20	6.9	15	5.5	12	4.6	10	4.0	8.8	3.5	7.7

*For safest application, recommended maximum speed is 25 MPH.

TEEJET - QJ-VR & PTC-VR VARIABLE RATE

Typical Applications



FERTILIZER
BROADCAST
EXCELLENT



DRIFT
CONTROL
EXCELLENT



QJ-VR Hose Barb
Metering Assembly



QJ-VR Metering Assembly



PTC-VR Push-to-Connect
Metering Assembly

FEATURES

- The QJ-VR and PTC-VR line of variable rate fertilizer assemblies feature a variable diameter orifice that produces a wide range of flow rates—its like having several metering orifices in one.
- Allows for a wider range of ground speeds and/or application rates from a single size for improved productivity.
- Also ideal for variable rate prescription map applications.
- Both QJ-VR and PTC-VR are ideal for installation on planters and toolbars for liquid fertilizer metering and application.
- PTC-VR features nylon construction for excellent strength and chemical resistance.
- QJ-VR features acetal and nylon construction with choice of nylon or stainless steel hose barbs for strength and excellent chemical resistance.
- Simple, elastomer (EPDM) variable orifice for reliable, long-term operation.

SPRAY PATTERN



SIZE OPTIONS

TIP PART NO.	HOSE SIZE (I.D.)				TUBING SIZE (O.D.)		
	1/4"	5/16"	3/8"	1/2"	1/4"	5/16"	3/8"
QJ-VR-X0.5	•	•	•				
QJ-VR-X1.0	•	•	•				
QJ-VR-X2.0			•	•			
PTC-VR-X0.5					•	•	•
PTC-VR-X1.0					•	•	•
PTC-VR-X2.0						•	•

Note: 1/4" and 5/16" hose barb sizes offered in stainless steel only. 3/8" and 1/2" hose barbs offered in choice of stainless steel or nylon.

RECOMMENDED PRESSURE RANGE



10–100 PSI

MATERIALS AVAILABLE



POLYMER

HOW TO ORDER

Quick TeeJet® Variable Rate Metering Assembly
(no Hose Barb)

Q J - V R - X 2 . 0

3/8" Push-to-Connect Variable Rate
Metering Assembly

P T C - V R - X 1 . 0 - 3 / 8

1/4" Stainless Steel Hose Barb Variable Rate
Metering Assembly

Q J - V R - X 1 . 0 - 1 / 4 - S S

1/4" Push-to-Connect Variable Rate Metering Assembly
with 10 PSI Diaphragm Check Valve

P T C - V R - X 1 . 0 - 1 / 4 - 1 0

TEEJET - QJ-VR & PTC-VR VARIABLE RATE

TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	GROUND SPEED RANGE (MPH) FOR 20" SPACING										GROUND SPEED RANGE (MPH) FOR 30" SPACING											
				3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
				QJ-VR-X0.5 PTCVR-X0.5																					
10	0.09	12	8.9	6.7	5.3	4.5	3.3	2.7	2.2	1.9	1.7	1.5	1.3	5.9	4.5	3.6	3.0	2.2	1.8	1.5	1.3	1.1	1.0	0.9	
20	0.13	17	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9	8.6	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3	
30	0.17	22	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	11.2	8.4	6.7	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	
40	0.21	27	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
50	0.24	31	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	
60	0.29	37	29	22	17.2	14.4	10.8	8.6	7.2	6.2	5.4	4.8	4.3	19.1	14.4	11.5	9.6	7.2	5.7	4.8	4.1	3.6	3.2	2.9	
70	0.34	44	34	25	20	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	22	16.8	13.5	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	
80	0.40	51	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	26	19.8	15.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0	
90	0.46	59	46	34	27	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8	30	23	18.2	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6	
100	0.54	69	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	
QJ-VR-X1.0 PTCVR-X1.0																									
10	0.13	17	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9	8.6	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3	
20	0.21	27	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
30	0.28	36	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	18.5	13.9	11.1	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8	
40	0.35	45	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	23	17.3	13.9	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5	
50	0.44	56	44	33	26	22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	29	22	17.4	14.5	10.9	8.7	7.3	6.2	5.4	4.8	4.4	
60	0.53	68	52	39	31	26	19.7	15.7	13.1	11.2	9.8	8.7	7.9	35	26	21	17.5	13.1	10.5	8.7	7.5	6.6	5.8	5.2	
70	0.64	82	63	48	38	32	24	19.0	15.8	13.6	11.9	10.6	9.5	42	32	25	21	15.8	12.7	10.6	9.1	7.9	7.0	6.3	
80	0.77	99	76	57	46	38	29	23	19.1	16.3	14.3	12.7	11.4	51	38	30	25	19.1	15.2	12.7	10.9	9.5	8.5	7.6	
90	0.90	115	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9	
100	1.03	132	102	76	61	51	38	31	25	22	19.1	17.0	15.3	68	51	41	34	25	20	17.0	14.6	12.7	11.3	10.2	
QJ-VR-X2.0 PTCVR-X2.0																									
10	0.38	49	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6	25	18.8	15.0	12.5	9.4	7.5	6.3	5.4	4.7	4.2	3.8	
20	0.57	73	56	42	34	28	21	16.9	14.1	12.1	10.6	9.4	8.5	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6	
30	0.73	93	72	54	43	36	27	22	18.1	15.5	13.6	12.0	10.8	48	36	29	24	18.1	14.5	12.0	10.3	9.0	8.0	7.2	
40	0.87	111	86	65	52	43	32	26	22	18.5	16.1	14.4	12.9	57	43	34	29	22	17.2	14.4	12.3	10.8	9.6	8.6	
50	1.03	132	102	76	61	51	38	31	25	22	19.1	17.0	15.3	68	51	41	34	25	20	17.0	14.6	12.7	11.3	10.2	
60	1.20	154	119	89	71	59	45	36	30	25	22	19.8	17.8	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9	
70	1.40	179	139	104	83	69	52	42	35	30	26	23	21	92	69	55	46	35	28	23	19.8	17.3	15.4	13.9	
80	1.61	206	159	120	96	80	60	48	40	34	30	27	24	106	80	64	53	40	32	27	23	19.9	17.7	15.9	
90	1.84	236	182	137	109	91	68	55	46	39	34	30	27	121	91	73	61	46	36	30	26	23	20	18.2	
100	2.07	265	205	154	123	102	77	61	51	44	38	34	31	137	102	82	68	51	41	34	29	26	23	20	

SPRAY TIPS

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

SPEED RANGE FOR VARIOUS APPLICATION RATES

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 20" SPACING										GROUND SPEED RANGE (MPH) FOR 30" SPACING																					
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SJ7AVR-X0.5	5.3	32*	2.7	16	1.8	11	1.3	8.0	1.1	6.4	0.9	5.3	0.8	4.6	0.7	4.0	3.6	21	1.8	11	1.2	7.1	0.9	5.3	0.7	4.3	0.6	3.6	0.5	3.1	0.4	2.7
SJ7AVR-X1.0	7.7	61*	3.9	31*	2.6	20	1.9	15	1.5	12	1.3	10	1.1	8.7	1.0	7.6	5.1	41*	2.6	20	1.7	14	1.3	10	1.0	8	0.9	7	0.7	6	0.6	5.1
SJ7AVR-X2.0	23	123*	11	61*	7.5	41*	5.6	31*	4.5	25	3.8	20	3.2	18	2.8	15	15	82*	7.5	41*	5.0	27*	3.8	20	3.0	16	2.5	14	2.1	12	1.9	10

*For safest application, recommended maximum speed is 25 MPH.

TEEJET - FLOW REGULATORS

Typical Applications



FERTILIZER
DIRECTED
EXCELLENT

Flow Regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants. They are also used for above-ground streaming applications.



CP1322
1/4TT Body



5053
Strainer



CP4916
Orifice Plate



CP4928
Adapter 1/8" NPT (F)
Outlet



CP1325
Cap



Note: Always insert orifice plate with side marked with number facing the outlet.
MATERIAL: Stainless Steel

TIP STRAINER MESH RECOMMENDATION

FOR ORIFICE SIZE	USE MESH SIZE
15 and Smaller	200
16-39	100
40-70	50
72 and Larger	—

To determine the orifice plates you need, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5,940}$$

$$\text{GPM} = \frac{5,940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

Tabulated flow rates are for spraying water into air at atmospheric pressure. If your application creates backpressure, or if spraying into a liquid, measure and calibrate to ensure proper application rates.

- W = Nozzle spacing (in inches) for broadcast spraying.
- = Spray width (in inches) for single nozzle, band spraying or boomless spraying.
- = Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

ORIFICE PLATE PART NO.	CAPACITY (GPM)						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010
CP4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016
CP4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023
CP4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031
CP4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036
CP4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040
CP4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051
CP4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064
CP4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075
CP4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091
CP4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097
CP4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105
CP4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111
CP4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120
CP4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132
CP4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140
CP4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151
CP4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165
CP4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180
CP4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192
CP4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211
CP4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234
CP4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250
CP4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258
CP4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283
CP4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306
CP4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

TEEJET - FLOW REGULATORS

ORIFICE PLATE PART NO.	CAPACITY (GPM)						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337
CP4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350
CP4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361
CP4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403
CP4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410
CP4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441
CP4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462
CP4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490
CP4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530
CP4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571
CP4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601
CP4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639
CP4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680
CP4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702
CP4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750
CP4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784
CP4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808
CP4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850
CP4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943
CP4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971
CP4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01
CP4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10
CP4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15
CP4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20
CP4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28
CP4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34
CP4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

HOW TO ORDER

CP4916-008

Orifice Plate

Capacity Size

ORIFICE PLATE PART NO.	CAPACITY (GPM)						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53
CP4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60
CP4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79
CP4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90
CP4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09
CP4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18
CP4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40
CP4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50
CP4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68
CP4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91
CP4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10
CP4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21
CP4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30
CP4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60
CP4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80
CP4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00
CP4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20
CP4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51
CP4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70
CP4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90
CP4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10
CP4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40
CP4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00
CP4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50
CP4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30
CP4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50
CP4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80



SPRAY TIPS

Call for information if part numbers are not listed (-)

1-888-937-7278

STREAMJET - SOLID STREAM SPRAY

Stainless Steel for Banding Fertilizers

- Permits banding fluids at high-rig speeds.
- Large orifices with no internal obstructions permit non-clogging suspension applications.
- Lower drift potential.
- For TP tips use Quick TeeJet® cap and gasket 25608-1-NYR.



TIP PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	APPLICATION RATE FOR 30" SPRAY NOZZLE SPACING									
			4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	
TP0001-SS	10	0.050	2.5	1.7	1.2	0.99	0.83	0.71	0.62	0.55	0.50	
	20	0.071	3.5	2.3	1.8	1.4	1.2	1.0	0.88	0.78	0.70	
	30	0.087	4.3	2.9	2.2	1.7	1.4	1.2	1.1	0.96	0.86	
	40	0.10	5.0	3.3	2.5	2.0	1.7	1.4	1.2	1.1	0.99	
TP00015-SS	10	0.075	3.7	2.5	1.9	1.5	1.2	1.1	0.93	0.83	0.74	
	20	0.11	5.4	3.6	2.7	2.2	1.8	1.6	1.4	1.2	1.1	
	30	0.13	6.4	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3	
	40	0.15	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	
H1/4U-SS0002 TP0002-SS	10	0.10	5.0	3.3	2.5	2.0	1.7	1.4	1.2	1.1	0.99	
	20	0.14	6.9	4.6	3.5	2.8	2.3	2.0	1.7	1.5	1.4	
	30	0.17	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	
	40	0.20	9.9	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0	
H1/4U-SS0003 TP0003-SS	10	0.15	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	
	20	0.21	10.4	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
	30	0.26	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	
	40	0.30	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	
H1/4U-SS0004 TP0004-SS	10	0.20	9.9	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0	
	20	0.28	13.9	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8	
	30	0.35	17.3	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5	
	40	0.40	19.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0	
H1/4U-SS0006 TP0006-SS	10	0.30	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	
	20	0.42	21	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	
	30	0.52	26	17.2	12.9	10.3	8.6	7.4	6.4	5.7	5.1	
	40	0.60	30	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	
H1/4U-SS0008 TP0008-SS	10	0.40	19.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0	
	20	0.57	28	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6	
	30	0.69	34	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8	
	40	0.80	40	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9	
H1/4U-SS0010 TP0010-SS	10	0.50	25	16.5	12.4	9.9	8.3	7.1	6.2	5.5	5.0	
	20	0.71	35	23	17.6	14.1	11.7	10.0	8.8	7.8	7.0	
	30	0.87	43	29	22	17.2	14.4	12.3	10.8	9.6	8.6	
	40	1.00	50	33	25	19.8	16.5	14.1	12.4	11.0	9.9	
H1/4U-SS0015 TP0015-SS	10	0.75	37	25	19	14.9	12.4	10.6	9.3	8.3	7.4	
	20	1.06	52	35	26	21	17.5	15.0	13.1	11.7	10.5	
	30	1.30	64	43	32	26	21	18.4	16.1	14.3	12.9	
	40	1.50	74	50	37	30	25	21	18.6	16.5	14.9	
H1/4U-SS0020 TP0020-SS	10	1.00	50	33	25	19.8	16.5	14.1	12.4	11.0	9.9	
	20	1.41	70	47	35	28	23	19.9	17.4	15.5	14.0	
	30	1.73	86	57	43	34	29	24	21	19.0	17.1	
	40	2.00	99	66	50	40	33	28	25	22	19.8	
H1/4U-SS0030 TP0030-SS	10	1.50	74	50	37	30	25	21	18.6	16.5	14.9	
	20	2.12	105	70	52	42	35	30	26	23	21	
	30	2.60	129	86	64	51	43	37	32	29	26	
	40	3.00	149	99	74	59	50	42	37	33	30	
H1/4U-SS0040 TP0040-SS	10	2.00	99	66	50	40	33	28	25	22	20	
	20	2.83	140	93	70	56	47	40	35	31	28	
	30	3.46	171	114	86	69	57	49	43	38	34	
	40	4.00	198	132	99	79	66	57	50	44	40	
H1/4U-SS0050	10	2.50	124	83	62	50	41	35	31	28	25	
	20	3.54	175	117	88	70	58	50	44	39	35	
	30	4.33	214	143	107	86	71	61	54	48	43	
	40	5.00	248	165	124	99	83	71	62	55	50	
H1/4U-SS0060	10	3.00	149	99	74	59	50	42	37	33	30	
	20	4.24	210	140	105	84	70	60	52	47	42	
	30	5.20	257	172	129	103	86	74	64	57	51	
	40	6.00	297	198	149	119	99	85	74	66	59	

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F.

Typical Applications

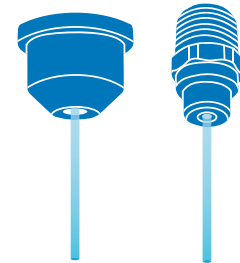


FERTILIZER DIRECTED EXCELLENT



DRIFT CONTROL EXCELLENT

SPRAY PATTERN



MATERIALS AVAILABLE

SS STAINLESS STEEL

HOW TO ORDER

Stainless Steel
H 1 / 4 U - S S 0 0 1 0
 Tip Type Material Code Capacity Size

TEEJET - TANK RINSING

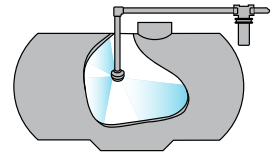


55270

- Rotating head driven by the flow of the rinsing liquid through multiple round spray orifices.
- Solid stream sprays are precisely positioned to provide effective internal wetting and cleaning of tank surface.
- Removable retainer and rotating body allows for disassembly and cleaning.
- Provides 360° coverage of inside surface of tank for tank diameters up to 10'.
- Self-lubricating and self-flushing design.

- Materials: Body: black POM (acetal); Fasteners: stainless steel.
- Recommended operating pressure 10–50 PSI.
- Mounting connection: ½" or ¾" NPT or BSPT (F).

Typical Application



NOZZLE NUMBER	CAPACITY (GPM)					TYPE OF COVERAGE	SPRAY ANGLE
	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI		
55270-1/2-11-POM	5.9	7.9	9.4	11.0	12.4		360°
B55270-1/2-11-POM							
55270-3/4-18-POM	9.0	12.7	15.6	18.0	20.0		
B55270-3/4-18-POM							



D41892

- The rotary tank rinsing nozzle is used for rinsing the insides of chemical containers and spray tanks up to 6.5' in diameter.
- Available with ½" NPT or BSPT (F) connections.

- Significant lower rotating speed at approximately 15% of typical speed, results in faster and more thorough cleaning of tank surface.
- Self-cleaning sliding bearing.
- Body and inserts are made of POM (Acetal).
- Nozzle fits in 1½" opening.
- Recommended operating pressure 30–60 PSI with a maximum pressure 115 PSI.

NOZZLE NUMBER	CAPACITY (GPM)				
	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
D41892-(B)1/2-POM-6	4.0	4.9	5.7	6.4	7.0

TeeJet® CONTAINER RINSING

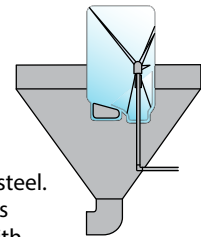


23240

- The 23240 container rinsing nozzle is used to rinse residue from containers before disposal.
- Can be used for containers with ½" diameter openings or larger.

- Three flat spray orifices provide self-rotational forces needed to create spherical coverage.
- Available in ½" NPT or BSPT (F) connections.
- Made of 316 stainless steel. HSS bearings and races have been replaced with 316SS bearings and races. Also includes an internal sleeve made of Nylon.

Typical Application



NOZZLE NUMBER	INLET PIPE CONNECTION	CAPACITY (GPM)				
		20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
(B)23240-3-316SS-5.7-316SS	½" (F)	4.0	4.9	5.7	6.4	7.0
(B)23240-3-316SS-7-316SS		4.9	6.1	7.0	7.8	8.6



VSM

- Used for inside rinsing of chemical containers.
- Fourty orifices combine to produce a 240° spray angle.

- All Nylon construction.
- Available with ½" or ¾" NPT or BSPT (F) connection.
- Recommended operating pressure 30–60 PSI.

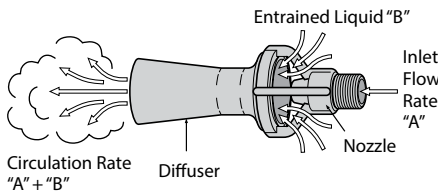
NOZZLE NUMBER	INLET PIPE CONNECTION	ORIFICE DIAMETER	CAPACITY (GPM)						SPRAY ANGLE
			20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	
(B) VSM-*-28	½" (F)	.031"	3.9	4.8	5.5	6.7	7.8	8.7	240°
(B) VSM-*-44		.039"	6.1	7.5	8.6	10.6	12.2	13.7	
(B) VSM-*-90	½" or ¾" (F)	.059"	12.5	15.3	17.7	22	25	28	
(B) VSM-*-140		.077"	19.4	24	27	34	39	43	
(B) VSM-*-190		.091"	26	32	37	46	53	59	

HOW TO ORDER

(B) V S M - 3 / 4 - 1 4 0

BSPT Nozzle Type Size Capacity

TEEJET EDUCTORS



46550, Y33180 & Y9270

- Allows small pumps to circulate large volumes of liquid.
- Manufactured of glass-filled polypropylene for excellent corrosion and chemical resistance.
- Large flow opening minimizes plugging.
- Available in 1/4", 3/8", 3/4" or 1 1/2" (M) pipe thread inlet connection.

APPROXIMATE FLOW RATE PERFORMANCE	MODEL NUMBER	INLET LIQUID PRESSURE							
		10 PSI	15 PSI	20 PSI	25 PSI	30 PSI	35 PSI	40 PSI	50 PSI
Inlet Flow Rate "A" (GPM)	46550-1/4-PP	3.5	4.3	5.0	5.5	6.1	6.6	7.0	7.8
	Y33180-PP	9	11	12.7	14	16	17	18	20
	Y9270-PP	13.5	17	19	21	23	25	27	30
Entrained Liquid "B" (GPM)	46550-1-1/2-PP	33	40	47	53	58	63	66	75
	46550-1/4-PP	12.7	15.1	17.8	19.6	22	24	26	29
	Y33180-PP	36	44	50.8	56	64	68	72	80
Circulation Rate "A"+"B" (GPM)	Y9270-PP	54	68	76	84	92	100	108	120
	46550-1-1/2-PP	132	160	188	212	232	252	264	300
	46550-1/4-PP	16.2	19.4	22.8	25.1	28.1	30.6	33.0	36.8
Circulation Rate "A"+"B" (GPM)	Y33180-PP	45	55	63.5	70	80	85	90	100
	Y9270-PP	67.5	85	95	105	115	125	135	150
	46550-1-1/2-PP	165	200	235	265	290	315	330	375

HOW TO ORDER

Y 3 3 1 8 0 - P P

MODEL NUMBER	PIPE THREAD INLET CONNECTION	ORIFICE DIAMETER	LENGTH	DIAMETER
46550-1/4-PP	1/4" (M)	3/16"	3"	1 1/4"
Y33180-PP	3/8" (M)	5/16"	4 1/16"	2 1/16"
Y9270-PP	3/4" (M)	3/8"	6 3/8"	2 29/32"
46550-1-1/2-PP	1 1/2" (M)	9/16"	10"	4 1/2"

TEEJET JET AGITATORS

Installed at bottom of spray tank on end of agitator return line. Continuous solid stream jet flow creates turbulence and keeps wettable powders in suspension.



6290-SC

Made in choice of brass, aluminum and all stainless steel. 1/4" NPT (F) inlet connection. Fits through 2" hole. Weight 6 oz. Siphon caps increase liquid flow by Venturi action to increase mixing potential.

HOW TO ORDER

Brass

6 2 9 0 S C - 1

Aluminum

6 2 9 0 S C - 1 - A L

Stainless Steel

6 2 9 0 S C - 1 - S S

JET AGITATOR NUMBER	ORIFICE CAP NUMBER	ORIFICE CAP INLET DIAMETER	CAPACITY (GPM) THRU AGITATOR LINE AT VARIOUS PRESSURES						FOR MAX. TANK SIZE IN GALLONS OF:
			10 PSI	15 PSI	20 PSI	30 PSI	40 PSI	50 PSI	
6290SC-1	11118-1	.055"	.78	.96	1.1	1.4	1.6	1.8	50
6290SC-2	11118-2	.086"	1.9	2.3	2.7	3.3	3.8	4.3	110
6290SC-3	11118-3	.096"	2.4	2.9	3.3	4.1	4.7	5.3	140
6290SC-5	11118-5	.144"	4.4	5.4	6.2	7.6	8.8	9.9	250
6290SC-8	11118-8	.156"	5.1	6.3	7.2	8.8	10.2	11.4	300
6290SC-10	11118-10	.177"	5.7	7.0	8.0	9.7	11.4	12.7	350

Note: Maximum tank sizes shown in table are approximate and are based on 40 PSI operation with pesticides, not fertilizers.

COLOR CODE

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet ³	Lt. Blue ⁴	Raspberry Red ⁵	Lt. Green ⁵

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP114440A-*CE	114441A-*CELR	TeeJet® Flat Spray Tips (Smaller Capacities) TP Standard -0067 to -08 XR TeeJet® -01 to -08 Turbo TwinJet® (TTJ60) AIXR TeeJet® -015 to -06 DG TeeJet® Turbo TeeJet® (TT) -01 to -08 OC TeeJet® & TQ150 AccuPulse® TwinJet® (APTJ)
		114441A-*CELVI	
	CP25611-9-PP ¹	25612-9-PP ¹	
	CP25609-*NY	25610-*NYR	TeeJet Flat Spray Tips (Larger Capacities) TP Standard -10 to -20 XR TeeJet® -10 to -15
	CP114442A-*CE	114443A-*CELR	TJ60 TwinJet® AI TeeJet® & AIUB TeeJet® AI Turbo TwinJet® (AITTJ60) -02 to -06 Turbo TeeJet® Induction (TTI) -01 to -06 DG TwinJet® SJ3 StreamJet AIXR TeeJet® -08 to -10 TP Standard 30 to 70
		114443A-*CELVI	
	CP115834A-*CE	115835A-*CELR	Turbo TeeJet® Induction (TTI) -01 to -06
		115835A-*CELVI	
	CP114501A-*CE ⁶	114502A-*CELR ⁶	AI Turbo TwinJet® (AITTJ60) -08 to -15 Turbo TeeJet® Induction (TTI) -08 to -10 Turbo TeeJet® (TT) -10 to -12
		114502A-*CELVI ⁶	
	CP98578-1-NY ²	98579-1-NYR ²	AI3070 -10 to -12
	CP25595-*NY	25596-*NYR	TeeJet Flat Spray Tips (Smaller Capacities) Tips can be positioned in choice of two spray plane directions—parallel or perpendicular to wings of Quick TeeJet cap.
	CP25599-*NY	25600-*NYR	Turbo FloodJet® TK-VP FloodJet® TK-VS FloodJet® Locating Nib
	CP114444A-*CE	114445A-*CELR	TK FloodJet® TX/TXA ConeJet® AITXA ConeJet 4916 Flow Regulator Disc Seal Core CP18999-EPR (EPDM – Standard) CP18999-VI (FKM – Optional)
		114445A-*CELVI	
	CP25607-9-PP ¹	25608-9-PP ¹	FL FullJet® TG Full Cone Hose Shank XE TeeJet
	CP25607-*NY	—	Disc Seal Core CP18999-EPR Disc-Core (Insert Core into Seal)

*Specify color code (see chart above).

¹ These caps only available in gray and rated to 150 PSI (10 bar).

² These caps only available in black.

³ Color available in CP114440A, CP114442A and CP114444A caps.

⁴ Color available in CP114440A, CP114442A and CP114501A caps.

⁵ Color available in CP114501A and CP114440A caps.

⁶ This cap offered in Black, White, Light Green, Light Blue and Raspberry Red only.

GASKETS: SPPCP19438-EPR (EPDM), SPPCP19438-VI (Viton). **SCREENS:** SPP8079-PP-50 (50 Mesh), SPP8079-PP-100 (100 Mesh).

COLOR CODE

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet ³	Lt. Blue ⁴	Raspberry Red ⁵	Lt. Green ⁵

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP26277-1-NYI ²	26278-1-NYR ²	Ceramic Disc-Core D-Disc Core TXB ConeJet AITXB ConeJet
	CP114395-1-NYBI ²	114396-1-NYRI ²	 114396-1-NYR includes gasket and O-Ring (CP7717-M10.5x1.5-VI). TXR ConeJet
	—	QJ4676-45-1/4-NYRI ²	45° Quick TeeJet cap with 1/4" NPT female threaded outlet.
	—	QJ4676-90-1/4-NYRI ²	90° Quick TeeJet cap with 1/4" NPT female threaded outlet.
	—	QJ4676-1/8-NYRI ²	Permits use of standard 1/8" and 1/4" nozzles. Can be used for mounting pressure gauge at the nozzle. (B) = BSPT
	—	QJ(B)4676-1/4-NYRI ²	
	—	114447-1-CELRI ²	Provides shutoff at nozzle for quick spacing change or change in spray swath.
	—	114447-1-CELVI ²	

² These caps only available in black.

CAPS FOR HARDI® NOZZLE BODIES

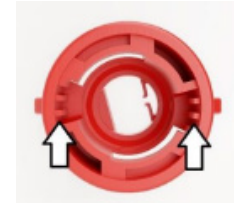
QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 150 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP21399-*-CE	21398H-*-CELR	 TJ60 TwinJet® AI TeeJet® & AIUB TeeJet® AI Turbo TwinJet® -02 to -06 Turbo TeeJet® Induction (TTI) -01 to -06 DG TwinJet® SJ3 StreamJet AIXR TeeJet® -08 to -10
	CP23307-*-CE	23306H-*-CELR	 TP Standard -0067 to -08 XR TeeJet -01 to -08 AIXR TeeJet® -015 to -06 DG TeeJet® Turbo TeeJet® -01 to -08 OC TeeJet® -01 to -08 AccuPulse® TwinJet® -015 to -08
	CP58350-*-CE	58348H-*-CELR	 TK FloodJet® FL FullJet® TX ConeJet TG Full Cone Hose Shank AITXA ConeJet





Note: When using TeeJet tip strainer, use CP26227 gasket in place of CP23308 gasket.

SPRAY TIPS

QUICK TEEJET CAPS - MATERIAL CHANGEOVER

TeeJet® Technologies is announcing improvements to our Celcon® Quick TeeJet Caps. The updated “A” series caps have thicker walls, internal ribs and wider “wings” for easier installation. The internal ribs are the most obvious physical difference between current and future production. Part numbers will be updated by adding “A” to the end of the number string of each affected cap product. Existing “non-A” part numbers and parts will become obsolete.



CAP COLOR	RETIRED CELCON (GASKET AND CAP)	NEW CELCON (GASKET AND CAP)	RETIRED CELCON (CAP ONLY)	NEW CELCON (CAP ONLY)	NEW CELCON CAP
BLACK	114441-1-CELR	114441A-1-CELR	CP114440-1-CE	CP114440A-1-CE	
WHITE	114441-2-CELR	114441A-2-CELR	CP114440-2-CE	CP114440A-2-CE	
RED	114441-3-CELR	114441A-3-CELR	CP114440-3-CE	CP114440A-3-CE	
BLUE	114441-4-CELR	114441A-4-CELR	CP114440-4-CE	CP114440A-4-CE	
GREEN	114441-5-CELR	114441A-5-CELR	CP114440-5-CE	CP114440A-5-CE	
YELLOW	114441-6-CELR	114441A-6-CELR	CP114440-6-CE	CP114440A-6-CE	
BROWN	114441-7-CELR	114441A-7-CELR	CP114440-7-CE	CP114440A-7-CE	
ORANGE	114441-8-CELR	114441A-8-CELR	CP114440-8-CE	CP114440A-8-CE	
GREY	114441-9-CELR	114441A-9-CELR	CP114440-9-CE	CP114440A-9-CE	
VIOLET	114441-10-CELR	114441A-10-CELR	CP114440-10-CE	CP114440A-10-CE	
BLACK	114443-1-CELR	114443A-1-CELR	CP114442-1-CE	CP114442A-1-CE	
WHITE	114443-2-CELR	114443A-2-CELR	CP114442-2-CE	CP114442A-2-CE	
RED	114443-3-CELR	114443A-3-CELR	CP114442-3-CE	CP114442A-3-CE	
BLUE	114443-4-CELR	114443A-4-CELR	CP114442-4-CE	CP114442A-4-CE	
GREEN	114443-5-CELR	114443A-5-CELR	CP114442-5-CE	CP114442A-5-CE	
YELLOW	114443-6-CELR	114443A-6-CELR	CP114442-6-CE	CP114442A-6-CE	
BROWN	114443-7-CELR	114443A-7-CELR	CP114442-7-CE	CP114442A-7-CE	
ORANGE	114443-8-CELR	114443A-8-CELR	CP114442-8-CE	CP114442A-8-CE	
GREY	114443-9-CELR	114443A-9-CELR	CP114442-9-CE	CP114442A-9-CE	
VIOLET	114443-10-CELR	114443A-10-CELR	CP114442-10-CE	CP114442A-10-CE	
BLACK	114445-1-CELR	114445A-1-CELR	CP114444-1-CE	CP114444A-1-CE	
WHITE	114445-2-CELR	114445A-2-CELR	CP114444-2-CE	CP114444A-2-CE	
RED	114445-3-CELR	114445A-3-CELR	CP114444-3-CE	CP114444A-3-CE	
BLUE	114445-4-CELR	114445A-4-CELR	CP114444-4-CE	CP114444A-4-CE	
GREEN	114445-5-CELR	114445A-5-CELR	CP114444-5-CE	CP114444A-5-CE	
YELLOW	114445-6-CELR	114445A-6-CELR	CP114444-6-CE	CP114444A-6-CE	
BROWN	114445-7-CELR	114445A-7-CELR	CP114444-7-CE	CP114444A-7-CE	
ORANGE	114445-8-CELR	114445A-8-CELR	CP114444-8-CE	CP114444A-8-CE	
GREY	114445-9-CELR	114445A-9-CELR	CP114444-9-CE	CP114444A-9-CE	
VIOLET	114445-10-CELR	114445A-10-CELR	CP114444-10-CE	CP114444A-10-CE	
BLACK	114447-1-CELR	114447A-1-CELR	N/A	N/A	

* Cap gasket combo can be ordered with FKM gasket by using CELVI as the material code.

The COMBO-JET® Spray Nozzle Advantage

- Less plugging, as the path of flow always gets larger
- 40% longer strainer that snaps & seals into place
- SR / MR / DR / UR
50% 75% 90% 90%+
Drift Reduction Series
- Cap color matched to flow rate
- Super long-lasting stainless steel spray tip
- The most versatile spray tips for Pulse Width Modulation Systems (e.g. Capstan Pinpoint®/EVO®, Case AIM Command®, John Deere ExactApply®, IntelliSpray®, Raven Hawkeye®, & more)
- Spray tip & cap are held together as one piece
- Easy-to-read label (MR110-06 = MR Series, 110° tip, 0.6 US GPM flow rate)
- Best educational spray tip charts & tools provided to select the best spray tips
- Combo-Jet tips use a modern pre-orifice & closed chamber design that produces significantly less drift, creates solid mass droplets, for maximum spray velocity and more meaningful spray.

Without needing consistent air induction for drift reduction, Combo-Jet spray tips are the preferred tip for Pulse Width Modulation (PWM) spraying systems.

*Capstan EVO®, Capstan Pinpoint®, Case AIM Command®, John Deere ExactApply®, IntelliSpray®, Raven Hawkeye®, Agrifac StrictSpray Plus™ are not affiliated or owned by Wilger. They remain property of their respective owner(s).

COMBO-JET® ER/SR/MR/DR/UR Spray Tips - What is the difference?

The sliding scale of droplet size means at any flow rate, you can match your desired spray quality.

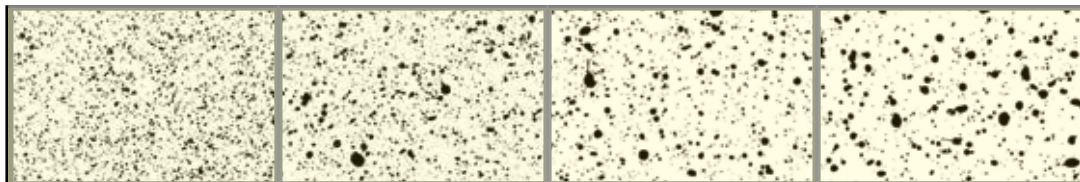


Comparison Criteria	ER Series Extended Range	SR Series Small Reduction	MR Series Mid-Range Reduction	DR Series Drift Reduction	UR Series Drift Reduction
Spray Tip Design	Conventional Flat Fan	Pre-orifice Drift Reduction	Pre-orifice Drift Reduction	Pre-orifice Drift Reduction	Dual Chamber Drift Red.
Spray Quality @40PSI	Medium	Coarse	Extremely Coarse	Extremely Coarse	Ultra-Coarse
Droplet Size ¹ @40PSI	Smallest (246µ VMD ¹)	Medium (371µ VMD ¹)	Large (474µ VMD ¹)	Very Large (529µ VMD ¹)	Ultra Coarse (633µ VMD ¹)
% <141µ ² % <600µ ³	20% of volume < 141µ 94% of volume <600µ	8% of volume < 141µ 89% of volume <600µ	4% of volume < 141µ 74% of volume <600µ	2% of volume < 141µ 64% of volume <600µ	UR spray tips are specialty spray tips, designed for certain chemical applications that require exceptional drift reduction.
Drift Potential	Most likely to drift	Lower drift potential	Major reduction in drift	Very low drift potential	They are not to be replaced with other spray tip series that are not approved to be on the chemical label. Always follow up-to-date label information.
Coverage	Best	Excellent	Very good	Good	Refer to chemical application label for maximum pressures, speeds and application information.

¹Based on an XX110-06 nozzle @ 40 psi (2.75 BAR)

²Droplets smaller than 141µ are more likely to drift. 141µ is used as a standard for estimating driftable fines.

³Droplets smaller than 600µ provide better coverage. Droplets > 600µ consume more spray volume, reducing overall coverage.



SPRAY TIPS

Selecting the Correct Spray Quality & Droplet Size

Drift vs. Efficacy

Generally speaking, smaller droplets deposit on the target more effectively than larger droplets, but larger droplets will drift less. So, when balancing drift control and efficacy, ensure to follow chemical labels and guidelines to designate the required spray quality and droplet size.

Where to find target spray quality or droplet size?

Depending on the chemical, as well as the different methods and modes of applications, some chemical labels may have less/more information. In general, chemical labels will have a description of how it should be applied, in the form of an ASABE spray classification recommendation, or a minimum spray classification (e.g. Spray at least ASABE Coarse). Some chemical label will also stipulate which nozzles can be used.

Application Information:	Minimum volume requirement on chemical label	Reference max pressure for conventional nozzles like ER series.
• Water Volume: Minimum 22 L per acre.		Try avoid conventional (non-drift reduction) spray tips.
• Nozzles and Pressure: 30 to 40 psi (210 to 275 kPa) when using conventional flat fan nozzles.		
Low drift nozzles may require higher pressures for proper performance. Use a combination of nozzles and pressure designed to deliver thorough, even coverage of ASABE coarse spray.		
Droplet spectrum recommendation for balance of drift & coverage.		

Example Spray Quality Chart by Type of Application

ASABE S-572.1 Classification Category	Color Code	Estimated VMD Range for Spray Quality*	Contact Insecticide & Fungicide	Systemic Insecticide & Fungicide	Contact Foliar Herbicide	Systemic Foliar Herbicide	Soil-Applied Herbicide	Incorporated Soil-Applied Herbicide	Fertilizer
Extremely Fine (XF)	Purple	Under 60							
Very Fine (VF)	Red	60-105							
Fine (F)	Orange	106-235							
Medium (M)	Yellow	236-340							
Coarse (C)	Blue	341-403							
Very Coarse (VC)	Green	404-502							
Extremely Coarse (XC)	White	503-665							
Ultra Coarse (UC)	Black	Over 665							

The above table provides general guidelines regarding droplet size and spray quality used in most spray applications. It is always required that you carefully read and follow updated chemical manufacturers application label and instructions. *NOTE: VMD range does not classify spray quality. Always ensure spray quality is followed first. VMD is a supplementary figure, and it is normal that nozzles with similar VMD can be classified into different spray qualities.

What about Multi-Tip Spraying? When to consider Double-Down & Angled Spraying

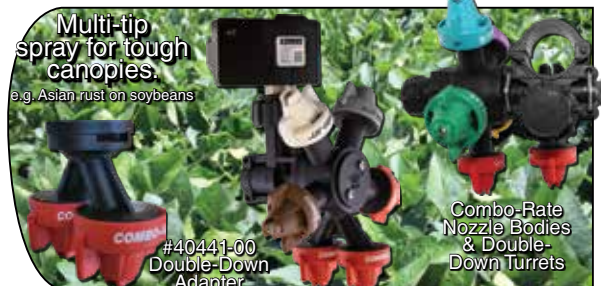
Potential problems with HIGH FLOW applications (15GPA+) with a single spray nozzle: Spraying high volume out of a single tip can produce droplets that are 'too large' to be effective for coverage, which make for less effective spray application.

Using multiple spray tips at the same time can provide substantial gains in effective coverage into crops or applications that otherwise would be very difficult to cover; however, multi-tip spraying should not be used without reason.

A typical time to use Multi-Angle spraying:
For improved coverage on a vertical growing target (e.g. wheat) when you are needing to paint both sides of the plant with fungicide (e.g. Fusarium Head Blight)



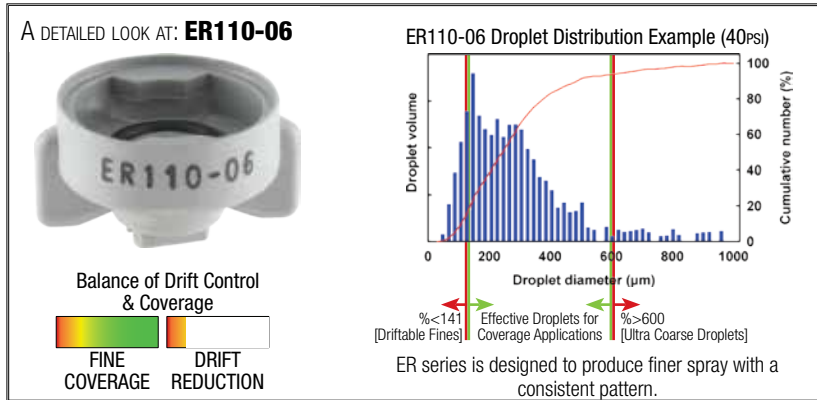
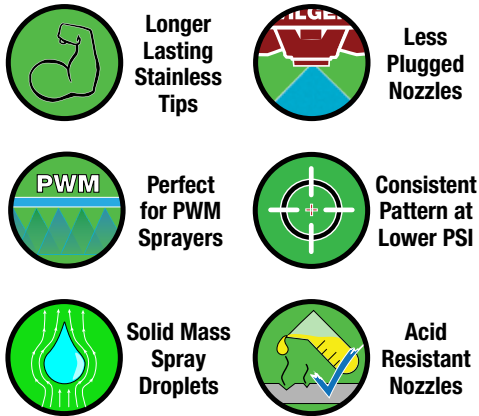
A typical time to use Double-Down spraying:
For high rate applications that rely on consistent coverage in a dense canopy. Use a nozzles to produce a meaningful mix of coarser and finer spray to hit different levels of the canopy.



Pairing already-owned nozzles to make a dual nozzle pair: Much of the time, an operator already has 1-2 nozzles on the sprayer that could be stacked as a pair, so it is an effective way to use existing nozzles to improve spray application with very little cost.

Call for information if part numbers are not listed (-)

The ER series spray tip is a conventional flat fan nozzle, emphasizing consistent spray pattern with relatively fine spray. All ER nozzles are manufactured with a stainless steel tip.



COMBO-JET® ER80° ASABE S572.1 Spray Quality Chart

Pressure (PSI)	20	25	30	35	40	45	50	60	65	70	80
ER80-01	F	F	F	F	F	F	F	F	F	F	F
ER80-015	F	F	F	F	F	F	F	F	F	F	F
ER80-02	F	F	F	F	F	F	F	F	F	F	F
ER80-025	M	M	F	F	F	F	F	F	F	F	F
ER80-03	M	M	F	F	F	F	F	F	F	F	F
ER80-04	M	M	M	M	M	F	F	F	F	F	F
ER80-05	C	C	M	M	M	M	M	M	M	F	F
ER80-06	C	C	C	C	C	C	M	M	M	M	M
ER80-08	VC	C	C	M	M	M	M	F	F	F	F
ER80-10	XC	XC	XC	VC	C	C	C	M	M	M	F
ER80-125		XC	XC	VC	VC	C	C	C	C	C	M
ER80-15		XC	XC	XC	VC	C	C	C	M	M	M
ER80-20		UC	XC	XC	XC	XC	VC	C	C	C	C
ER80-25		UC	XC	XC	XC	VC	VC	C	C	C	C
ER80-30		UC	UC	XC	XC	XC	XC	XC	XC	VC	VC
ER80-40				XC	XC	XC	XC	XC	XC	XC	VC
ER80-50				XC	XC	XC	XC	XC	XC	XC	VC
ER80-60				XC	XC	XC	XC	XC	XC	XC	VC

COMBO-JET® ER Series Specifications

Approved for PWM Spray Systems
Compatible with all PWM Spray systems/Hz.

Operating Pressure
20-100PSI

Flat Fan Nozzle Type
Conventional Flat Fan

Nozzle Materials
Spray Tip: Stainless Steel
O-ring: FKM, 13mm x 3mm #40260-00 (if ton avail.)
Cap: Glass-reinforced Polypropylene

ASABE Spray Classification

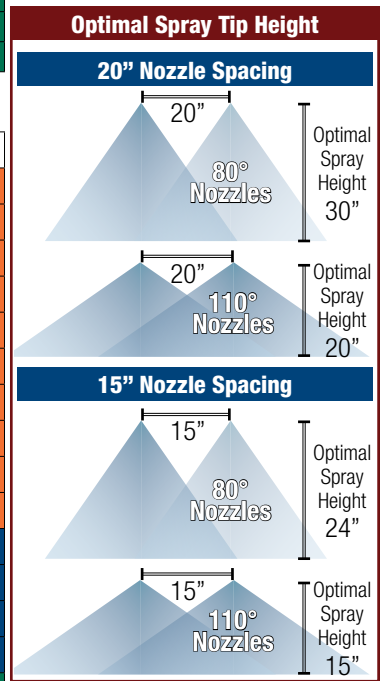
(ASABE S572.1 Standard)
Spray quality is categorized based on Dv0.1 and VMD droplet sizes. Objective testing data (by 3rd party), from spray spectrum recording equipment (without wind tunnel use), has been used to classify spray quality for this chart. Chart shown includes spray quality at tested data points as well as extrapolated data points.

- Fine (F)
- Medium (M)
- Coarse (C)
- Very Coarse (VC)
- Extremely Coarse (XC)
- Ultra Coarse (UC)

Tips sized up to 110-06 verified on Phase Doppler Particle Analyzer (PDPA); tips sized over 110-06 verified on Malvern.

COMBO-JET® ER110° ASABE S572.1 Spray Quality Chart


Pressure (psi)	20	25	30	35	40	45	50	60	65	70	80
ER110-01	F	F	F	F	F	F	F	F	F	F	F
ER110-015	F	F	F	F	F	F	F	F	F	F	F
ER110-02	F	F	F	F	F	F	F	F	F	F	F
ER110-025	F	F	F	F	F	F	F	F	F	F	F
ER110-03	F	F	F	F	F	F	F	F	F	F	F
ER110-04	M	M	M	M	F	F	F	F	F	F	F
ER110-05	M	M	M	M	F	F	F	F	F	F	F
ER110-06	C	M	M	M	M	M	M	M	M	F	F
ER110-08	C	C	C	M	M	M	M	F	F	F	F
ER110-10	VC	C	C	C	C	C	M	M	M	M	F
ER110-125		XC	XC	XC	VC	VC	C	C	C	C	C
ER110-15		XC	XC	XC	VC	VC	C	C	C	C	C
ER110-20		XC	XC	XC	XC	XC	XC	XC	VC	VC	C
ER110-25		XC	XC	XC	XC	XC	XC	XC	VC	VC	C
ER110-30		UC	XC	XC	XC	XC	XC	XC	XC	XC	VC



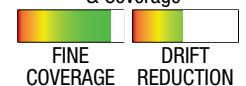
The SR series spray tip is a closed-chamber, pre-orifice drift reduction nozzle, emphasizing a first stage of drift reduction. The SR series balances excellent coverage spray with significant drift reduction upwards of 50%+.

- Longer Lasting Stainless Tips
- Less Plugged Nozzles
- Perfect for PWM Sprayers
- Consistent Pattern at Lower PSI
- Solid Mass Spray Droplets
- Acid Resistant Nozzles

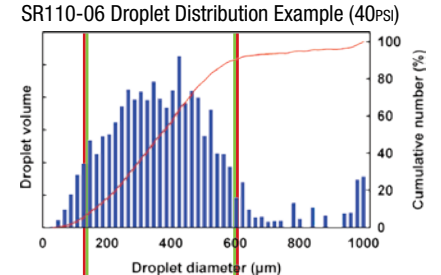
A DETAILED LOOK AT: **SR110-06**



Balance of Drift Control & Coverage



SR110-06 Droplet Distribution Example (40psi)



SR series droplet distribution balances excellent fine spray coverage while reducing driftable fines.

COMBO-JET® SR80° ASABE S572.1 Spray Quality Chart

Pressure (psi)	25	30	35	40	45	50	60	65	70	80
SR80-01	M	M	F	F	F	F	F	F	F	F
SR80-015	C	M	M	M	M	F	F	F	F	F
SR80-02	C	M	M	M	M	M	F	F	F	F
SR80-025	C	C	C	M	M	M	M	M	M	F
SR80-03	C	C	C	C	C	C	M	M	M	M
SR80-04	C	C	C	C	C	C	C	M	M	M
SR80-05	VC	VC	C	C	C	C	C	C	C	C
SR80-06	XC	VC	VC	VC	C	C	C	C	C	C
SR80-08	UC	UC	UC	UC	XC	XC	XC	XC	XC	XC
SR80-10	UC	UC	UC	UC	UC	UC	XC	XC	XC	XC
SR80-125	UC	UC	UC	UC	UC	UC	UC	XC	XC	XC
SR80-15	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC
SR80-20		UC	UC	UC	UC	UC	UC	UC	UC	UC
SR80-25		UC	UC	UC	UC	UC	UC	UC	UC	UC
SR80-30		UC	UC	UC	UC	UC	UC	UC	UC	UC

COMBO-JET® SR Series Specifications

Approved for PWM Spray Systems
Compatible with all PWM Spray systems/Hz.

Operating Pressure
25-100PSI

Flat Fan Nozzle Type
Closed-Chamber, Pre-Orifice Drift Reduction

Nozzle Materials
Spray Tip: Stainless Steel
O-ring: FKM, 13mm x 3mm #40260-00 (viton avail.)
Cap: Glass-reinforced Polypropylene

ASABE Spray Classification

(ASABE S572.1 Standard)
Spray quality is categorized based on Dv0.1 and VMD droplet sizes. Objective 3rd party testing data, from spray spectrum recording equipment (without wind tunnel use), has been used to classify spray quality for this chart. Chart shown includes spray quality at tested data points as well as extrapolated data points.

- Fine (F)
- Medium (M)
- Coarse (C)
- Very Coarse (VC)
- Extremely Coarse (XC)
- Ultra Coarse (UC)

Tips sized up to 110-06 verified on Phase Doppler Particle Analyzer (PDPA); tips sized over 110-06 verified on Malvern.

COMBO-JET® SR110° ASABE S572.1 Spray Quality Chart

Pressure (psi)	25	30	35	40	45	50	60	65	70	80
SR110-015	M	F	F	F	F	F	F	F	F	F
SR110-02	M	M	F	F	F	F	F	F	F	F
SR110-025	M	M	M	M	M	F	F	F	F	F
SR110-03	C	C	C	C	M	M	M	M	M	F
SR110-04	C	C	C	C	C	M	M	M	M	M
SR110-05	C	C	C	C	C	C	C	M	M	M
SR110-06	VC	VC	C	C	C	C	C	C	C	M
SR110-08	UC	XC	XC	XC	XC	VC	C	C	C	C
SR110-10	UC	XC	XC	XC	XC	XC	VC	C	C	C
SR110-125	UC	UC	XC	XC	XC	XC	XC	VC	C	C
SR110-15	UC	UC	UC	UC	XC	XC	XC	XC	XC	XC
SR110-20		UC	UC	XC	XC	XC	XC	XC	XC	XC
SR110-25		UC	UC	XC	XC	XC	XC	XC	XC	XC

Optimal Spray Tip Height

15° Nozzle Spacing	20° Nozzle Spacing

LERAP Ratings for SR Series

As of January 2021

SR110-05	★★★★ 75%	★★★ 50%
	1.0-1.5BAR	1.6-3.0BAR

COMBO-JET® SR Pre-orifices - by nozzle size [Replacement Only]

-01	-015	-02	-025	-03	-04	-05	-06	-08	-10	-125	-15	-20	-25	-30
40285-01	40285-015	40285-01	40285-025	40285-03	40285-04	40285-05	40285-06	40285-08	40285-10	40285-125	40285-15	40285-20	40285-25	40285-30

The MR series spray tip is a closed-chamber, pre-orifice drift reduction nozzle, emphasizing a second stage of drift reduction. The MR series balances great coverage spray with significant drift reduction upwards of 75%+.

- Longer Lasting Stainless Tips
- Superior Drift Reduction
- Perfect for PWM Sprayers
- Consistent Pattern at Lower PSI
- Solid Mass Spray Droplets
- Acid Resistant Nozzles

A DETAILED LOOK AT: **MR110-06**

MR110-06 Droplet Distribution Example (40PSI)

Balance of Drift Control & Coverage

Dropet volume vs. Droplet diameter (µm) graph showing cumulative number (%).

MR series is designed to produce relatively coarse spray with minimal drift.

COMBO-JET® MR80° ASABE S572.1 Spray Quality Chart

Pressure (psi)	30	35	40	45	50	60	65	70	80
MR80-005	M	M	F	F	F	F	F	F	F
MR80-0067	F	F	F	F	F	F	F	F	F
MR80-01	M	F	F	F	F	F	F	F	F
MR80-015	C	C	C	M	M	M	M	M	F
MR80-02	C	C	C	C	C	M	M	M	M
MR80-025	VC	VC	C	C	C	C	C	C	C
MR80-03	VC	VC	C	C	C	C	C	C	C
MR80-04	VC	VC	C	C	C	C	C	C	C
MR80-05	XC	XC	VC	VC	VC	VC	C	C	C
MR80-06	XC	XC	XC	XC	VC	VC	VC	VC	C
MR80-08	UC	UC	UC	UC	XC	XC	XC	XC	VC
MR80-10	UC	UC	UC	UC	UC	XC	XC	XC	XC
MR80-125	UC	UC	UC	UC	UC	UC	UC	XC	XC
MR80-15	UC	UC	UC	XC	XC	XC	XC	XC	VC
MR80-20		UC	UC	UC	UC	XC	XC	XC	XC
MR80-25		UC	UC	UC	UC	UC	UC	UC	UC
MR80-30		UC	UC	UC	UC	UC	UC	UC	UC
MR80-40		UC	UC	UC	UC	XC	XC	XC	XC

COMBO-JET® MR110° ASABE S572.1 Spray Quality Chart

Pressure (psi)	30	35	40	45	50	60	65	70	80
MR110-015	C	C	C	M	M	M	F	F	F
MR110-02	C	C	C	M	M	M	M	M	F
MR110-025	C	C	C	C	C	C	M	M	M
MR110-03	VC	C	C	C	C	C	C	C	C
MR110-04	VC	VC	C	C	C	C	C	C	C
MR110-05	XC	XC	VC	VC	VC	C	C	C	C
MR110-06	XC	XC	XC	VC	VC	VC	VC	VC	C
MR110-08	UC	UC	UC	XC	XC	XC	XC	XC	VC
MR110-10	UC	UC	XC	XC	XC	XC	XC	XC	VC
MR110-125	UC	UC	UC	UC	UC	UC	UC	UC	UC
MR110-15	UC	UC	UC	UC	UC	UC	UC	UC	UC
MR110-20		UC	UC	UC	UC	UC	UC	UC	XC

COMBO-JET® MR Pre-orifices - by size [Replacement Only]

-005	-0067	-01	-015	-02	-025	-03	-04	-05	-06	-08	-10	-125	-15	-20	-25	-30	-40
40285-005	40285-007	40285-01	40285-015	40285-01	40285-025	40285-03	40285-04	40285-05	40285-06	40285-08	40285-10	40285-125	40285-15	40285-20	40285-25	40285-30	40285-40

COMBO-JET® MR Series Specifications

- Approved for PWM Spray Systems
- Compatible with all PWM Spray systems/Hz.
- Operating Pressure: 30-100PSI
- Flat Fan Nozzle Type
- Closed-Chamber, Pre-Orifice Drift Reduction
- Nozzle Materials: Spray Tip: Stainless Steel
- Repl.O-ring: FKM, 13mm x 3mm #40260-00 (viton avail)
- Cap: Glass-reinforced Polypropylene

ASABE Spray Classification

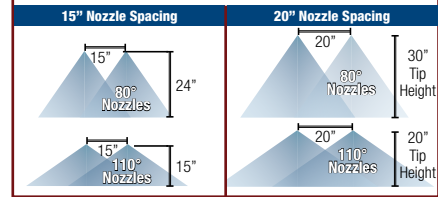
(ASABE S572.1 Standard)

Spray quality is categorized based on DV0.1 and VMD droplet sizes. Objective 3rd party testing data, from spray spectrum recording equipment (without wind tunnel use), has been used to classify spray quality for this chart. Chart shown includes spray quality at tested data points as well as extrapolated data points.

- Fine (F)
- Medium (M)
- Coarse (C)
- Very Coarse (VC)
- Extremely Coarse (XC)
- Ultra Coarse (UC)

Tips sized up to 110-06 verified on Phase Doppler Particle Analyzer (PDPA); tips sized over 110-06 verified on Malvern.

Optimal Spray Tip Height



The DR series spray tip is a closed-chamber, pre-orifice drift reduction nozzle, emphasizing a third stage of drift reduction. The DR series balances good coverage spray with extremely low driftable fines, upwards of a 90% reduction in driftable fines.

- Longer Lasting Stainless Tips
- Superior Drift Reduction
- Perfect for PWM Sprayers
- Consistent Pattern at Lower PSI
- Solid Mass Spray Droplets
- Acid Resistant Nozzles

A DETAILED LOOK AT: DR110-06

Balance of Drift Control & Coverage

DR110-06 Droplet Distribution Example (40psi)

DR series is designed to produce extremely coarse spray with very minimal drift.

COMBO-JET® DR80° ASABE S572.1 Spray Quality Chart

Pressure (psi)	30	35	40	45	50	60	65	70	80
DR80-005	C	M	M	F	F	F	F	F	F
DR80-0067	C	C	M	M	M	M	F	F	F
DR80-01	C	C	C	M	M	M	M	F	F
DR80-015	VC	VC	C	C	C	C	C	C	C
DR80-02	XC	VC	VC	VC	VC	C	C	C	C
DR80-025	XC	VC	VC	VC	VC	C	C	C	C
DR80-03	XC	XC	VC	VC	VC	C	C	C	C
DR80-04	XC	XC	XC	XC	XC	XC	VC	VC	C
DR80-05	XC	XC	XC	XC	XC	XC	XC	VC	VC
DR80-06	XC	XC	XC	XC	XC	XC	XC	XC	XC
DR80-08	UC	UC	UC	UC	UC	UC	UC	UC	UC
DR80-10	UC	UC	UC	UC	UC	UC	UC	UC	UC
DR80-125	UC	UC	UC	UC	UC	UC	UC	UC	UC
DR80-15	UC	UC	UC	UC	UC	UC	UC	UC	UC
DR80-20		UC	UC	UC	UC	UC	UC	UC	UC
DR80-25		UC	UC	UC	UC	UC	UC	UC	UC
DR80-30		UC	UC	UC	UC	UC	UC	UC	XC

COMBO-JET® DR110° ASABE S572.1 Spray Quality Chart

Pressure (psi)	30	35	40	45	50	60	65	70	80
DR110-015	C	C	C	C	C	C	C	M	M
DR110-02	VC	VC	VC	C	C	C	C	C	C
DR110-025	VC	VC	VC	C	C	C	C	C	C
DR110-03	XC	XC	VC	VC	VC	C	C	C	C
DR110-04	XC	XC	VC	VC	VC	VC	C	C	C
DR110-05	XC	XC	XC	XC	XC	XC	XC	VC	VC
DR110-06	XC	XC	XC	XC	XC	XC	XC	XC	VC
DR110-08	UC	UC	UC	UC	UC	UC	UC	UC	XC
DR110-10	UC	UC	UC	UC	UC	UC	UC	UC	UC
DR110-125	UC	UC	UC	UC	UC	UC	UC	UC	UC
DR110-15	UC	UC	UC	UC	UC	UC	UC	UC	UC

COMBO-JET® DR Series Specifications

Approved for PWM Spray Systems
Compatible with all PWM Spray systems/Hz.

Operating Pressure
30-100PSI

Flat Fan Nozzle Type
Closed-Chamber, Pre-Orifice Drift Reduction

Nozzle Materials
Spray Tip: Stainless Steel
Repl.O-ring: FKM, 13mm x 3mm #40260-00 (viton avail)
Cap: Glass-reinforced Polypropylene

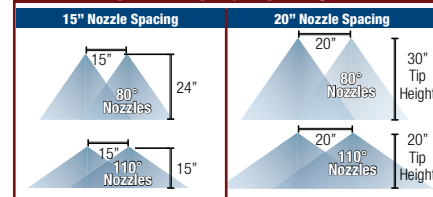
ASABE Spray Classification

(ASABE S572.1 Standard)
Spray quality is categorized based on Dv0.1 and VMD droplet sizes. Objective 3rd party testing data, from spray spectrum recording equipment (without wind tunnel use), has been used to classify spray quality for this chart. Chart shown includes spray quality at tested data points as well as extrapolated data points.

- Fine (F)
- Medium (M)
- Coarse (C)
- Very Coarse (VC)
- Extremely Coarse (XC)
- Ultra Coarse (UC)

Tips sized up to 110-06 verified on Phase Doppler Particle Analyzer (PDPA); tips sized over 110-06 verified on Malvern.

Optimal Spray Tip Height



LERAP Ratings for DR Series
As of January 2021

DR110-025	★★★★ 75%	★★★ 50%	1.0-2.5BAR	2.6-3.5BAR		
DR110-03	★★★★★ 90%	★★★★ 75%	★★★ 50%	1.0-1.5BAR	1.6-2.5BAR	2.6-3.5BAR
DR110-04	★★★★ 75%		1.0-5.0BAR			
DR110-05	★★★★★ 90%	★★★★ 75%	1.0-1.5BAR	1.6-5.0BAR		
DR110-06	★★★★★ 90%	★★★★ 75%	1.0-3.0BAR	3.1-5.0BAR		

COMBO-JET® DR Pre-orifices - by tip size [Replacement Only]

-005	-0067	-01	-015	-02	-025	-03	-04	-05	-06	-08	-10	-125	-15	-20	-25	-30
40285-005	40285-007	40285-01	40285-015	40285-01	40285-025	40285-03	40285-04	40285-05	40285-06	40285-08	40285-10	40285-125	40285-15	40285-20	40285-25	40285-30

The UR series spray tip is a dual-chamber, pre-orifice drift reduction nozzle, emphasizing the coarsest stage of drift reduction. The UR series is heavily suited to ultra-low driftable fines, emphasizing drift reduction over coverage.



Approved for Dicamba Mixes



Ultra Low Spray Drift



Perfect for PWM Sprayers



Longer Lasting Stainless Tips



Solid Mass Spray Droplets



Acid Resistant Nozzles

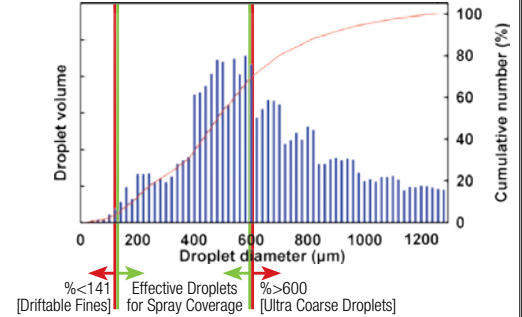
A DETAILED LOOK AT: **UR110-06**



Balance of Drift Control & Coverage



UR110-06 Droplet Distribution Example (60psi)



UR series is designed to produce ultra coarse spray with extremely little drift.

COMBO-JET® UR110° ASABE S572.1 Spray Quality Chart

Pressure (psi)	35	40	45	50	60	65	70	80
UR110-025	UC	UC	UC	UC	XC	XC	XC	XC
UR110-03	UC	UC	UC	UC	XC	XC	XC	XC
UR110-04	UC	UC	UC	UC	UC	UC	UC	UC
UR110-05	UC	UC	UC	UC	UC	UC	UC	UC
UR110-06	UC	UC	UC	UC	UC	UC	UC	UC
UR110-08	UC	UC	UC	UC	UC	UC	UC	UC
UR110-10	UC	UC	UC	UC	UC	UC	UC	UC

COMBO-JET® UR Series Specifications

Approved for PWM Spray Systems
Compatible with all PWM Spray systems/Hz.

Operating Pressure

35-100PSI

Flat Fan Nozzle Type

Dual Closed-Chamber, Pre-Orifice Drift Reduction

Nozzle Materials

Spray Tip: Stainless Steel

Repl.O-ring: FKM, 13mm x 3mm #40260-00 (viton avail)

Cap: Glass-reinforced Polypropylene

ASABE Spray Classification

(ASABE S572.1 Standard)

Spray quality is categorized based on Dv0.1 and VMD droplet sizes. Objective 3rd party testing data, from spray spectrum recording equipment (without wind tunnel use), has been used to classify spray quality for this chart. Chart shown includes spray quality at tested data points as well as extrapolated data points.

- Fine (F)
- Medium (M)
- Coarse (C)
- Very Coarse (VC)
- Extremely Coarse (XC)
- Ultra Coarse (UC)

UR Nozzles verified on Malvern.

COMBO-JET® UR Series* Pre-orifice Sets [Replacement only]

UR two-piece pre-orifices must be replaced with a new pair only. Correct orifices must be used for proper performance.

-025	-03	-04	-05	-06	-08	-10
40292-22	40292-23	40292-24	40292-25	40292-26	40292-28	40292-30

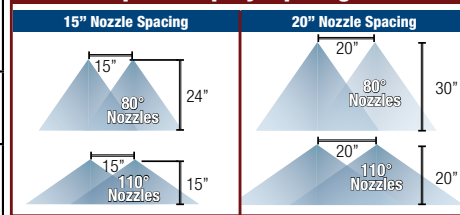
*U.S. Patent No. 10,603,681

JKI Ratings for UR Series

As of January 2021

Model	75% 2.0BAR REF. G-2185	50% 4.0-6.0BAR REF. G-2184
UR110-04	90% 2.0BAR REF. G-2185	75% 3.0-6.0BAR REF. G-2185
UR110-05	90% 2.0-3.0BAR REF. G-2189	75% 4.0-6.0BAR REF. G-2189

Optimal Spray Tip Height



Comprehensive rate & speed charts for any nozzle spacing/speed/rate is available on Tip Wizard. Try it today!

! Disclaimer: These charts are published for comparative purposes to demonstrate the differences in the series of Combo-Jet® spray tips. Data used to populate this chart is extrapolated from third party testing data from a controlled conditions test with water as the testing solution. Actual spray applications with active chemical ingredients may change the spray dynamics and spray tip performance specifications. Westward Parts is not liable for any misuse or misrepresentation of this information, leading to (but not limited to) incorrect spray application, crop damage, or any other harm. (Not limited to human, livestock or environmental). ALWAYS follow chemical label nozzle requirements.

Nozzle Size & Angle	Flow Rate USGPM	PSI	Application Rate in US Gallons/Acre on 20" Nozzle Spacing								Spray Classification: VMD (Droplet Size in μ); %<141μ (Drift %); %<600μ (Small Droplets)																		
			@ Sprayer Speed - Miles / Hour								ER80° Series				SR80° Series				MR80° Series				DR80° Series						
			Sprayer Speed (on 20" spacing) @								ER80-005 #40270-005		SR80-005 #40288-005		MR80-005 #40290-005		DR80-005 #40280-005												
us gpm	psi	2GPA	3GPA	4GPA	5GPA	6GPA	7GPA	8GPA	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	
80-005 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER80-005 #40270-005		SR80-005 #40288-005		MR80-005 #40290-005		DR80-005 #40280-005												
	0.035	20	5.3	3.5	2.6	2.1	1.8	1.5	1.3	F	167	33%	100%					M	261	11%	99%	C	311	6%	100%				
	0.040	25	5.9	3.9	2.9	2.3	2.0	1.7	1.5	F	157	40%	100%					M	236	17%	98%	C	276	11%	100%				
	0.043	30	6.4	4.3	3.2	2.6	2.1	1.8	1.6	F	149	46%	100%					M	217	22%	97%	M	250	16%	100%				
	0.047	35	6.9	4.6	3.5	2.8	2.3	2.0	1.7	F	142	51%	100%					M	201	26%	96%	M	230	19%	100%				
	0.050	40	7.4	5.0	3.7	3.0	2.5	2.1	1.9	F	137	55%	100%					F	189	30%	95%	F	213	23%	100%				
	0.053	45	7.9	5.3	3.9	3.2	2.6	2.3	2.0	F	132	59%	100%					F	178	33%	94%	F	200	25%	100%				
	0.056	50	8.3	5.5	4.2	3.3	2.8	2.4	2.1	F	128	63%	100%					F	161	39%	93%	F	178	30%	100%				
	0.061	60	9.1	6.1	4.5	3.6	3.0	2.6	2.3	F	121	68%	100%					F	154	41%	92%	F	169	33%	100%				
	0.064	65	9.5	6.3	4.7	3.8	3.2	2.7	2.4	F	118	71%	100%					F	148	44%	91%	F	161	35%	100%				
0.066	70	9.8	6.5	4.9	3.9	3.3	2.8	2.5	F	116	73%	100%					F	138	48%	90%	F	148	38%	100%					
0.071	80	11.0	7.0	5.3	4.2	3.5	3.0	2.6	VF	111	78%	100%																	
80-0067 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER80-0067 #40270-0067		SR80-0067 #40288-0067		MR80-0067 #40290-0067		DR80-0067 #40280-0067												
	0.047	20	7.0	4.7	3.5	2.8	2.3	2.0	1.8	F	199	21%	100%					M	231	18%	99%	C	337	6%	100%				
	0.053	25	7.9	5.2	3.9	3.1	2.6	2.2	2.0	F	183	29%	100%					M	211	24%	98%	C	308	9%	100%				
	0.058	30	8.6	5.7	4.3	3.4	2.9	2.5	2.2	F	171	35%	100%					M	195	29%	97%	C	285	11%	100%				
	0.063	35	9.3	6.2	4.7	3.7	3.1	2.7	2.3	F	161	40%	100%					M	182	33%	96%	M	267	13%	100%				
	0.067	40	9.9	6.6	5.0	4.0	3.3	2.8	2.5	F	153	45%	100%					M	171	37%	95%	M	252	15%	100%				
	0.071	45	11.0	7.0	5.3	4.2	3.5	3.0	2.6	F	147	49%	100%					M	162	40%	94%	M	239	17%	100%				
	0.075	50	11.0	7.4	5.6	4.4	3.7	3.2	2.8	F	141	52%	100%					M	148	46%	93%	M	218	20%	100%				
	0.082	60	12.0	8.1	6.1	4.9	4.1	3.5	3.0	F	131	58%	100%					M	142	49%	92%	F	210	21%	100%				
	0.085	65	13.0	8.5	6.3	5.1	4.2	3.6	3.2	F	128	61%	100%					M	136	51%	91%	F	202	22%	100%				
0.089	70	13.0	8.8	6.6	5.3	4.4	3.8	3.3	F	124	63%	100%					M	127	55%	90%	F	189	24%	100%					
0.095	80	14.0	9.4	7.0	5.6	4.7	4.0	3.5	F	118	68%	100%					M												
80-01 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER80-01 #40270-01		SR80-01 #40288-01		MR80-01 #40290-01		DR80-01 #40280-01												
	0.07	20	5.3	4.2	3.5	2.8	2.6	2.3	2.1	F	175	29%	100%					M	258	15%	97%								
	0.08	25	5.9	4.7	3.9	3.1	2.9	2.6	2.3	F	164	35%	100%					M	233	21%	97%	M	218	23%	97%	C	312	10%	94%
	0.09	30	6.4	5.1	4.3	3.4	3.2	2.9	2.6	F	156	41%	100%					M	214	25%	97%	F	204	27%	97%	C	291	12%	95%
	0.09	35	6.9	5.6	4.6	3.7	3.5	3.1	2.8	F	149	45%	100%					M	199	29%	97%	F	191	30%	97%	C	274	14%	96%
	0.10	40	7.4	5.9	5.0	4.0	3.7	3.3	3.0	F	143	49%	100%					M	186	33%	97%	F	181	33%	97%	M	260	15%	97%
	0.11	45	7.9	6.3	5.3	4.2	3.9	3.5	3.2	F	139	53%	100%					M	176	36%	98%	F	173	36%	97%	M	248	17%	98%
	0.11	50	8.3	6.6	5.5	4.4	4.2	3.7	3.3	F	134	56%	100%					M	159	41%	98%	F	159	40%	97%	M	229	19%	99%
	0.12	60	9.1	7.3	6.1	4.8	4.5	4.0	3.6	F	128	62%	100%					M	152	44%	98%	F	153	42%	97%	M	221	20%	100%
	0.13	65	9.5	7.6	6.3	5.0	4.7	4.2	3.8	F	125	64%	100%					M	146	46%	98%	F	148	44%	97%	F	214	21%	101%
0.13	70	9.8	7.9	6.5	5.2	4.9	4.4	3.9	F	122	66%	100%					M	135	50%	98%	F	139	48%	97%	F	202	23%	102%	
0.14	80	11.0	8.4	7.0	5.6	5.3	4.7	4.2	F	117	70%	100%					M												
80-015 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER80-015 #40270-015		SR80-015 #40288-015		MR80-015 #40290-015		DR80-015 #40280-015												
	0.11	20	7.9	6.3	5.3	4.2	3.9	3.2	2.6	F	199	21%	100%					C	286	13%	94%								
	0.12	25	8.8	7.0	5.9	4.7	4.4	3.5	2.9	F	188	25%	100%					C	262	16%	95%	C	323	10%	94%	VC	418	4%	87%
	0.13	30	9.6	7.7	6.4	5.1	4.8	3.9	3.2	F	180	29%	100%					C	244	19%	96%	C	301	12%	95%	VC	397	5%	89%
	0.14	35	10.0	8.3	6.9	5.6	5.2	4.2	3.5	F	173	32%	100%					C	230	22%	96%	C	283	14%	96%	C	380	6%	90%
	0.15	40	11.0	8.9	7.4	5.9	5.6	4.5	3.7	F	167	34%	100%					M	218	24%	97%	M	269	16%	97%	C	365	6%	91%
	0.16	45	12.0	9.5	7.9	6.3	5.9	4.7	3.9	F	162	37%	100%					M	207	26%	97%	M	256	17%	97%	C	353	7%	92%
	0.17	50	12.0	10.0	8.3	6.6	6.2	5.0	4.2	F	158	39%	100%					M	191	30%	97%	M	236	20%	98%	C	332	8%	94%
	0.18	60	14.0	11.0	9.1	7.3	6.8	5.5	4.5	F	151	42%	100%					M	184	32%	97%	M	227	21%	98%	C	324	8%	94%
	0.19	65	14.0	11.0	9.5	7.6	7.1	5.7	4.7	F	148	44%	100%					M	177	33%	98%	M	220	22%	99%	C	316	9%	95%
0.20	70	15.0	12.0	9.8	7.9	7.4	5.9	4.9	F	145	46%	100%					M	167	36%	98%	F	207	23%	99%	C	302	10%	95%	
0.21	80	16.0	13.0	11.0	8.4	7.9	6.3	5.3	F	140	48%	100%					M												
80-02 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER80-02 #40270-02		SR80-02 #40288-02		MR80-02 #40290-02		DR80-02 #40280-02												
	0.14	20	8.4	7.0	5.6	5.3	4.2	3.5	2.8	F	184	28%	100%					C	273	13%	94%								
	0.16	25	9.4	7.8	6.3	5.9	4.7	3.9	3.1	F	176	31%	100%					C	257	16%	95%	C	326	8%	94%	XC	454	3%	80%
	0.17	30	10	8.6	6.9	6.4	5.1	4.3	3.4	F	170	34%	100%					C	244	18%	96%	C	310	10%	94%	VC	435	4%	83%
	0.19	35	11	9.3	7.4	6.9	5.6	4.6	3.7	F	166	36%	100%				</												

Wilger Combo-Jet 80° Spray Tips

Speed & Pressure



Comprehensive rate & speed charts for any nozzle spacing/speed/rate is available on Tip Wizard. Try it today!

ASABE Spray Classification (ASABE S572.1 Standard)

Spray quality is categorized based on Dv0.1 and VMD droplet sizes. Objective testing data (by 3rd party), from spray spectrum recording equipment (without wind tunnel use), has been used to classify spray quality for this chart. Extra data (e.g. VMD, etc.) can vary between testing equipment and method, and is provided as an educational resource only. Tips sized up to 110-06 verified on Phase Doppler Particle Analyzer (PDPA). Tips sized over 110-06 verified on Malvern.

- Fine (F)
- Medium (M)
- Coarse (C)
- Very Coarse (VC)
- Extremely Coarse (XC)
- Ultra Coarse (UC)

VMD (Volume Median Diameter)
The median droplet (in μ) for a sprayed volume. Half of the volume is made of droplets smaller, with half made up of droplets larger.

% <141 μ (% Driftable Fines)
Percentage of volume which is likely to drift. As wind & boom height increase, observed spray drift will increase substantially.

% <600 μ (% of Small Droplets)
% of volume which is made up of 'small' droplets, useful for coverage. As % of useful droplets lowers, overall coverage is reduced.

SPRAY TIPS

	Flow us gpm	Boom psi	Sprayer Speed (on 20" spacing) @								ER80-03		#40270-03		SR80-03		#40288-03		MR80-03		#40290-03		DR80-03		#40280-03	
			10GPA	12.5	15GPA	18GPA	20GPA	25GPA	30GPA	35GPA	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD
			8GPA	10GPA	12.5	15GPA	18GPA	20GPA	25GPA	30GPA	<141	<600	<141	<600	<141	<600	<141	<600	<141	<600	<141	<600	<141	<600	<141	<600
80 -03 Nozzles	0.21	20	13	11.0	8.4	7.9	6.3	5.3	4.2	M	233	17%	99%													
	0.24	25	14	12.0	9.4	8.8	7.0	5.9	4.7	M	222	20%	99%	C	368	7%	88%									
	0.26	30	15	13	10.0	9.6	7.7	6.4	5.1	F	214	23%	99%	C	344	9%	89%	VC	432	5%	81%	XC	481	3%	72%	
	0.28	35	17	14	11.0	10.0	8.3	6.9	5.6	F	207	25%	99%	C	325	11%	90%	VC	409	6%	83%	XC	462	4%	75%	
	0.30	40	18	15	12.0	11.0	8.9	7.4	5.9	F	201	26%	99%	C	309	12%	91%	C	390	7%	85%	VC	447	4%	77%	
	0.32	45	19	16	13.0	12.0	9.5	7.9	6.3	F	196	28%	99%	C	296	14%	91%	C	374	7%	86%	VC	433	5%	79%	
	0.34	50	20	17	13	12.0	10.0	8.3	6.6	F	192	29%	99%	C	285	15%	92%	C	360	8%	88%	VC	422	5%	80%	
	0.37	60	22	18	15	14.0	11.0	9.1	7.3	F	184	32%	99%	M	266	17%	93%	C	337	9%	89%	C	403	6%	83%	
	0.38	65	23	19	15	14.0	11.0	9.5	7.6	F	181	33%	99%	M	258	18%	93%	C	327	10%	90%	C	395	6%	84%	
	0.40	70	24	20	16	15.0	12.0	9.8	7.9	F	179	34%	99%	M	251	18%	93%	C	319	10%	91%	C	387	7%	84%	
0.42	80	25	21	17	16	13.0	11.0	8.4	F	174	35%	99%	M	239	20%	94%	C	304	11%	92%	C	374	7%	86%		
80 -04 Nozzles	0.28	20	11	8	6.7	5.6	4.2	3.4	2.8	M	251	16%	99%													
	0.32	25	13	9	7.5	6.3	4.7	3.8	3.1	M	239	19%	99%	C	349	7%	87%	VC	420	5%	80%	XC	543	2%	62%	
	0.35	30	14	10	8	6.9	5.1	4.1	3.4	M	230	21%	99%	C	349	7%	87%	VC	420	5%	80%	XC	543	2%	62%	
	0.37	35	15	11	9	7.4	5.6	4.4	3.7	M	222	22%	99%	C	331	9%	88%	VC	401	6%	82%	XC	523	3%	65%	
	0.40	40	16	12	10	7.9	5.9	4.8	4.0	M	216	24%	99%	C	316	10%	89%	C	385	7%	84%	XC	507	3%	68%	
	0.42	45	17	13	10	8	6.3	5.0	4.2	F	211	25%	99%	C	303	11%	90%	C	372	8%	85%	XC	493	3%	70%	
	0.45	50	18	13	11	9	6.6	5.3	4.4	F	206	26%	99%	C	291	12%	91%	C	360	9%	86%	XC	480	4%	72%	
	0.49	60	19	15	12	10	7.3	5.8	4.8	F	198	28%	99%	M	270	14%	92%	C	341	10%	88%	XC	460	4%	75%	
	0.51	65	20	15	12	10	8	6.1	5.0	F	195	29%	99%	M	261	14%	92%	C	333	11%	88%	VC	451	5%	76%	
	0.53	70	21	16	13	10	8	6.3	5.2	F	192	29%	99%	M	252	15%	92%	C	326	11%	89%	VC	443	5%	77%	
0.57	80	22	17	13	11	8	6.7	5.6	F	186	31%	99%	M	237	16%	93%	C	313	12%	90%	C	429	5%	79%		
80 -05 Nozzles	0.35	20	11	8	7	5.8	4.2	3.5	C	296	11%	95%														
	0.40	25	12	9	8	6.5	5.9	4.7	3.9	C	280	14%	95%	VC	411	5%	81%									
	0.43	30	13	10	9	7	6.4	5.1	4.3	M	267	16%	95%	C	387	7%	83%	XC	504	3%	68%	XC	574	2%	56%	
	0.47	35	14	11	9	8	6.9	5.6	4.6	M	257	18%	95%	C	367	9%	84%	XC	483	4%	71%	XC	555	2%	59%	
	0.50	40	15	12	10	8	7.4	5.9	5.0	M	248	20%	95%	C	349	10%	86%	VC	466	4%	73%	XC	538	2%	62%	
	0.53	45	16	13	11	9	8	6.3	5.3	M	241	21%	95%	C	334	11%	87%	VC	451	5%	75%	XC	524	3%	65%	
	0.56	50	17	13	11	9	8	6.6	5.5	M	235	22%	95%	C	320	12%	87%	VC	438	5%	77%	XC	512	3%	67%	
	0.61	60	18	15	12	10	9	7	6.1	M	224	25%	95%	C	296	14%	89%	VC	417	6%	79%	XC	492	3%	70%	
	0.64	65	19	15	13	11	10	8	6.3	M	220	26%	95%	C	286	14%	89%	C	408	6%	81%	XC	483	4%	71%	
	0.66	70	20	16	13	11	10	8	6.5	F	215	26%	95%	C	276	15%	90%	C	400	6%	81%	VC	475	4%	72%	
0.71	80	21	17	14	12	11	8	7	F	208	28%	95%	M	258	16%	91%	C	385	7%	83%	VC	461	4%	74%		
80 -06 Nozzles	0.42	20	13	10	8	7	6.3	4.2	3.6	C	322	12%	92%													
	0.47	25	14	11	9	8	7.0	4.7	4.0	C	308	15%	91%	VC	440	4%	78%									
	0.52	30	15	12	10	9	8	5.1	4.4	C	296	17%	91%	VC	420	5%	81%	XC	526	2%	64%	XC	596	1%	51%	
	0.56	35	17	13	11	9	8	5.6	4.8	C	287	18%	91%	VC	403	6%	83%	XC	508	3%	67%	XC	579	2%	54%	
	0.60	40	18	14	12	10	9	6	5.1	C	279	20%	91%	C	390	7%	84%	XC	492	3%	70%	XC	564	2%	57%	
	0.64	45	19	15	13	11	10	6	5.4	C	273	21%	91%	C	378	7%	85%	XC	479	4%	72%	XC	551	2%	59%	
	0.67	50	20	16	13	11	10	7	6	M	267	22%	90%	C	368	8%	86%	VC	468	4%	73%	XC	540	2%	61%	
	0.73	60	22	17	15	12	11	7	6	M	257	24%	90%	C	351	9%	88%	VC	448	5%	76%	XC	521	3%	64%	
	0.76	65	23	18	15	13	11	8	7	M	253	25%	90%	C	344	9%	89%	VC	440	5%	77%	XC	513	3%	65%	
	0.79	70	24	19	16	13	12	8	7	M	249	26%	90%	C	337	10%	89%	VC	433	5%	78%	XC	505	3%	66%	
0.85	80	25	20	17	14	13	8	7	M	242	27%	90%	C	326	10%	90%	C	419	6%	80%	XC	492	3%	68%		
80 -08 Nozzles	0.57	20	11	9	8	7	6	4.8	4.2	VC	367	12%	86%													
	0.63	25	13	10	9	8	6	5	4.7	C	338	15%	89%	UC	516	7%	54%									
	0.69	30	14	11	10	8	7	6	5	C	317	17%	90%	UC	490	8%	59%	UC	540	6%	63%	UC	619	3%	52%	
	0.75	35	15	12	11	9	7	6	6	M	300	19%	92%	XC	468	8%	63%	UC	518	7%	67%	UC	600	4%	55%	
	0.80	40	16	13	12	10	8	7	6	M	286	21%	93%	XC	449	9%	66%	UC	500	8%	69%	UC	585	4%	58%	
	0.85	45	17	14	13	10	8	7	6	M	274	22%	93%	XC	432	10%	69%	UC	484	9%	71%	UC	571	4%	60%	
	0.89	50	18	15	13	11	9	8	7	M	264	23%	94%	XC	417	10%	71%	XC	470	9%	73%	UC	559	5%	62%	
	0.98	60	19	16	15	12	10	8	7	F	247	26%	95%	XC	390	11%	74%	XC	448	10%	76%	UC	539	5%	65%	
	1.02	65	20	17	15	12	10	9	8	F	240	27%	95%	VC	379	12%	75%	XC	438	11%	77%	UC	531	5%	66%	
	1.06	70</																								

Nozzles	Flow us gpm	Boom psi	Sprayer Speed (on 20" spacing) @							ER80-125		#40270-125		SR80-125		#40288-125		MR80-125		#40290-125		DR80-125		#40280-125		
			20GPA	25GPA	30GPA	35GPA	40GPA	45GPA	50GPA	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class	VMD	Class
80-125	0.99	25	15	12	10	8	7	7	6	XC	433	10%	79%	UC	531	6%	51%									
	1.08	30	16	13	11	9	8	7	6	XC	413	11%	81%	UC	509	7%	55%	UC	585	5%	56%	UC	624	4%	50%	
	1.17	35	17	14	12	10	9	8	7	VC	397	12%	82%	UC	490	8%	58%	UC	569	6%	58%	UC	609	4%	52%	
	1.25	40	19	15	12	11	9	8	7	VC	383	13%	83%	XC	474	8%	61%	UC	556	6%	60%	UC	595	5%	54%	
	1.33	45	20	16	13	11	10	9	8	C	372	14%	84%	XC	460	9%	63%	UC	545	7%	62%	UC	584	5%	56%	
	1.40	50	21	17	14	12	10	9	8	C	362	14%	85%	XC	447	9%	65%	UC	535	7%	63%	UC	574	5%	57%	
	1.53	60	23	18	15	13	11	10	9	C	345	15%	87%	XC	425	10%	68%	UC	519	8%	66%	UC	557	6%	59%	
	1.59	65	24	19	16	14	12	11	10	C	338	16%	87%	XC	416	10%	69%	UC	511	8%	67%	UC	549	6%	60%	
	1.65	70	25	20	16	14	12	11	10	C	331	16%	88%	XC	407	11%	70%	UC	505	8%	67%	UC	543	6%	61%	
	1.77	80	26	21	18	15	13	12	11	M	320	17%	88%	VC	391	11%	72%	XC	493	9%	69%	UC	531	6%	63%	
80-15	1.19	25	14	12	10	9	8	7	6	XC	434	9%	78%	UC	576	5%	43%									
	1.30	30	15	13	11	10	9	8	7	XC	412	10%	79%	UC	554	6%	47%	UC	513	7%	66%	UC	637	3%	48%	
	1.40	35	17	14	12	10	9	8	8	XC	394	11%	80%	UC	535	6%	51%	UC	495	8%	69%	UC	620	3%	51%	
	1.50	40	18	15	13	11	10	9	8	VC	379	12%	81%	UC	519	6%	53%	UC	480	8%	70%	UC	605	3%	53%	
	1.59	45	19	16	14	12	11	10	9	C	366	13%	82%	UC	505	7%	56%	XC	467	9%	72%	UC	592	4%	55%	
	1.68	50	20	17	14	12	11	10	9	C	355	14%	82%	UC	492	7%	58%	XC	456	9%	73%	UC	581	4%	57%	
	1.84	60	22	18	16	14	12	11	10	C	337	15%	83%	XC	471	7%	61%	XC	438	10%	75%	UC	562	4%	59%	
	1.91	65	23	19	16	14	13	11	10	M	329	16%	84%	XC	461	7%	62%	XC	430	11%	76%	UC	554	4%	61%	
	1.98	70	24	20	17	15	13	12	11	M	322	17%	84%	XC	452	8%	63%	XC	422	11%	77%	UC	547	4%	62%	
	2.12	80	25	21	18	16	14	13	11	M	310	18%	85%	XC	436	8%	65%	VC	410	12%	78%	UC	534	5%	63%	
80-20	1.58	25	16	13	12	10	9	9	8	UC	483	8%	71%	UC	574	5%	44%									
	1.73	30	17	15	13	11	10	9	9	XC	460	9%	73%	UC	551	5%	48%	UC	564	5%	58%	UC	628	3%	50%	
	1.87	35	19	16	14	12	11	10	9	XC	442	10%	75%	UC	532	6%	51%	UC	542	5%	62%	UC	606	3%	54%	
	2.00	40	20	17	15	13	12	11	10	XC	427	11%	76%	UC	515	6%	54%	UC	523	6%	64%	UC	587	4%	56%	
	2.12	45	21	18	16	14	13	11	11	XC	415	11%	78%	UC	500	6%	56%	UC	508	7%	66%	UC	571	4%	59%	
	2.24	50	22	19	17	15	13	12	11	VC	403	12%	79%	UC	487	7%	58%	UC	494	7%	68%	UC	556	4%	61%	
	2.45	60	24	21	18	16	15	13	12	C	385	13%	81%	XC	464	7%	62%	XC	472	8%	71%	UC	533	5%	64%	
	2.55	65	25	22	19	17	15	14	13	C	377	13%	81%	XC	454	7%	63%	XC	462	8%	72%	UC	523	5%	65%	
	2.65	70	26	22	20	17	16	14	13	C	370	14%	82%	XC	444	7%	64%	XC	453	8%	73%	UC	514	5%	66%	
	2.83	80	28	24	21	19	17	15	14	C	357	15%	83%	XC	427	8%	66%	XC	438	9%	74%	UC	498	5%	68%	
80-25	1.98	25	17	15	13	12	11	10	8	UC	485	9%	70%	UC	532	5%	51%									
	2.17	30	18	16	14	13	12	11	9	XC	462	10%	72%	UC	511	5%	54%	UC	604	4%	55%	UC	657	3%	46%	
	2.34	35	20	17	15	14	13	12	10	XC	443	10%	74%	UC	494	6%	57%	UC	583	4%	58%	UC	635	3%	49%	
	2.50	40	21	19	17	15	14	12	11	XC	427	11%	75%	UC	479	6%	59%	UC	566	4%	60%	UC	617	3%	52%	
	2.65	45	23	20	18	16	14	13	11	VC	414	12%	76%	XC	466	7%	61%	UC	552	5%	62%	UC	601	3%	55%	
	2.80	50	24	21	18	17	15	14	12	VC	402	12%	77%	XC	454	7%	62%	UC	539	5%	63%	UC	587	3%	57%	
	3.06	60	26	23	20	18	17	15	13	C	383	13%	79%	XC	434	7%	65%	UC	518	5%	66%	UC	563	4%	60%	
	3.19	65	27	24	21	19	17	16	14	C	375	14%	79%	XC	425	8%	66%	UC	508	6%	67%	UC	553	4%	61%	
	3.31	70	28	25	22	20	18	16	14	C	367	14%	80%	XC	417	8%	67%	UC	500	6%	68%	UC	544	4%	62%	
	3.54	80	30	26	23	21	19	18	15	C	354	15%	81%	XC	402	8%	68%	UC	485	6%	69%	UC	528	4%	64%	
80-30	2.37	25	18	14	12	10	9	8	7	UC	506	5%	67%													
	2.60	30	19	15	13	11	10	9	8	UC	481	6%	69%	UC	508	5%	54%	UC	591	4%	55%	UC	654	2%	47%	
	2.81	35	21	17	14	12	10	9	8	XC	461	7%	71%	UC	490	5%	57%	UC	572	4%	58%	UC	623	2%	51%	
	3.00	40	22	18	15	13	11	10	9	XC	444	7%	73%	XC	474	6%	59%	UC	556	4%	60%	UC	597	3%	54%	
	3.18	45	24	19	16	14	12	11	10	XC	430	8%	74%	XC	461	6%	61%	UC	542	5%	62%	UC	575	3%	57%	
	3.35	50	25	20	17	14	12	11	10	XC	417	9%	75%	XC	449	6%	62%	UC	530	5%	64%	UC	556	3%	59%	
	3.67	60	27	22	18	16	14	12	11	XC	397	9%	77%	XC	429	6%	65%	UC	510	5%	67%	UC	525	3%	63%	
	3.82	65	28	23	19	16	14	13	11	XC	388	10%	77%	XC	421	7%	66%	UC	501	5%	68%	UC	512	3%	65%	
	3.97	70	29	24	20	17	15	13	12	VC	380	10%	78%	XC	414	7%	67%	UC	493	6%	69%	UC	500	4%	66%	
	4.24	80	32	25	21	18	16	14	13	VC	366	11%	79%	XC	400	7%	69%	UC	480	6%	71%	XC	479	4%	68%	
80-40	3.74	35	22	19	16	14	12	11	9	XC	460	7%	71%	UC	481	5%	58%	UC	541	4%	61%					
	4.00	40	24	20	17	15	13	12	10	XC	444	8%	73%	XC	467	5%	60%	UC	524	5%	63%					
	4.24	45	25	21	18	16	14	13	11	XC	430	9%	74%	XC	455	5%	62%	UC	510	5%	65%					
	4.47	50	27	22	19	17	15	13	11	XC	418	9%	75%	XC	445	6%	63%	UC	498	5%	66%					
	4.90	60	29	24	21	18	16	15	12	XC	398	10%	77%	XC	428	6%	66%	XC	477	5%	68%					
	5.10	65	30	25	22	19	17	15	13	XC	390	10%	77%	XC	420	6%	67%	XC	468	6%	69%					
	5.29	70	31	26	22	20	17	16	13	XC	382	11%	78%	XC	414	6%	67%	XC	460	6%	70%					
	7.07	80	42	35	30	26	23	21	18	VC	369	11%	79%	XC	402	7%	69%	XC	446							

Comprehensive rate & speed charts for any nozzle spacing/speed/rate is available on Tip Wizard. Try it today!

! Disclaimer: These charts are published for comparative purposes to demonstrate the differences in the series of Combo-Jet® spray tips. Data used to populate this chart is extrapolated from third party testing data from a controlled conditions test with water as the testing solution. Actual spray applications with active chemical ingredients may change the spray dynamics and spray tip performance specifications. Westward Parts is not liable for any misuse or misrepresentation of this information, leading to (but not limited to) incorrect spray application, crop damage, or any other harm. (Not limited to human, livestock or environmental). ALWAYS follow chemical label nozzle requirements.

	Flow us gpm	Boom psi	Sprayer Speed (on 20" spacing) @								ER110-15		#40281-15		SR110-15		#40287-15		MR110-15		#40291-15		DR110-15		#40286-15				
			25GPA	30GPA	35GPA	40GPA	45GPA	50GPA	55GPA	60GPA	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141
110 -15 Nozzles	1.19	25	14	12	10	9	8	7	6	XC	416	10%	68%																
	1.30	30	15	13	11	10	9	8	7	XC	398	10%	72%	UC	538	5%	51%												
	1.40	35	17	14	12	10	9	8	8	XC	383	11%	74%	UC	515	5%	55%	UC	590	4%	43%	UC	641	4%	43%				
	1.50	40	18	15	13	11	10	9	8	VC	370	12%	76%	UC	496	6%	58%	UC	574	4%	45%	UC	624	4%	46%				
	1.59	45	19	16	14	12	11	10	9	VC	358	12%	77%	XC	478	6%	61%	UC	560	5%	47%	UC	610	4%	48%				
	1.68	50	20	17	14	12	11	10	9	C	348	13%	79%	XC	463	6%	64%	UC	548	5%	49%	UC	597	4%	50%				
	1.84	60	22	18	16	14	12	11	10	C	330	14%	81%	XC	436	7%	67%	UC	527	5%	52%	UC	575	4%	53%				
	1.91	65	23	19	16	14	13	11	10	C	322	14%	82%	XC	424	7%	69%	UC	517	5%	53%	UC	565	4%	54%				
	1.98	70	24	20	17	15	13	12	11	C	315	15%	82%	XC	413	7%	70%	UC	508	5%	54%	UC	556	4%	55%				
	2.12	80	25	21	18	16	14	13	11	C	302	15%	84%	XC	393	8%	72%	UC	493	5%	56%	UC	540	5%	58%				
110 -20 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER110-20		#40281-20		SR110-20		#40287-20		MR110-20		#40291-20								
	us gpm	psi	30GPA	35GPA	40GPA	45GPA	50GPA	55GPA	60GPA	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
	1.58	25	16	13	12	10	9	9	8	XC	473	7%	60%																
	1.73	30	17	15	13	11	10	9	9	XC	453	8%	64%																
	1.87	35	19	16	14	12	11	10	9	XC	437	8%	66%	UC	497	6%	59%	UC	574	5%	45%								
	2.00	40	20	17	15	13	12	11	10	XC	422	9%	68%	XC	479	6%	62%	UC	557	5%	48%								
	2.12	45	21	18	16	14	13	11	11	XC	410	9%	70%	XC	463	7%	65%	UC	542	5%	50%								
	2.24	50	22	19	17	15	13	12	11	XC	399	9%	72%	XC	449	7%	67%	UC	529	6%	52%								
	2.45	60	24	21	18	16	15	13	12	XC	379	10%	74%	XC	424	8%	70%	UC	506	6%	55%								
	2.55	65	25	22	19	17	15	14	13	VC	370	10%	75%	XC	413	8%	72%	UC	496	6%	56%								
2.65	70	26	22	20	17	16	14	13	VC	362	10%	76%	XC	403	8%	73%	UC	487	6%	57%									
2.83	80	28	24	21	19	17	15	14	C	348	11%	78%	XC	385	8%	75%	XC	470	7%	59%									
110 -25 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER110-25		#40281-25		SR110-25		#40287-25												
	us gpm	psi	35GPA	40GPA	45GPA	50GPA	55GPA	60GPA	70GPA	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
	1.98	25	17	15	13	12	11	10	8	XC	472	7%	60%																
	2.17	30	18	16	14	13	12	11	9	XC	453	7%	65%																
	2.34	35	20	17	15	14	13	12	10	XC	437	7%	68%	UC	484	6%	59%												
	2.50	40	21	19	17	15	14	12	11	XC	422	7%	71%	XC	468	6%	62%												
	2.65	45	23	20	18	16	14	13	11	XC	410	8%	73%	XC	453	7%	64%												
	2.80	50	24	21	18	17	15	14	12	XC	399	8%	74%	XC	441	7%	66%												
	3.06	60	26	23	20	18	17	15	13	XC	380	8%	77%	XC	419	8%	69%												
	3.19	65	27	24	21	19	17	16	14	VC	371	8%	78%	XC	409	8%	70%												
3.31	70	28	25	22	20	18	16	14	VC	364	8%	79%	XC	400	8%	71%													
3.54	80	30	26	23	21	19	18	15	C	350	8%	81%	XC	384	8%	73%													
110 -30 Nozzles	Flow	Boom	Sprayer Speed (on 20" spacing) @								ER110-30		#40281-30																
	us gpm	psi	40GPA	50GPA	60GPA	70GPA	80GPA	90GPA	100	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
	2.37	25	18	14	12	10	9	8	7	UC	484	6%	58%																
	2.60	30	19	15	13	11	10	9	8	XC	466	6%	61%																
	2.81	35	21	17	14	12	10	9	8	XC	451	7%	63%																
	3.00	40	22	18	15	13	11	10	9	XC	437	7%	65%																
	3.18	45	24	19	16	14	12	11	10	XC	425	8%	67%																
	3.35	50	25	20	17	14	12	11	10	XC	415	8%	68%																
	3.67	60	27	22	18	16	14	12	11	XC	396	9%	70%																
	3.82	65	28	23	19	16	14	13	11	XC	388	9%	71%																
3.97	70	29	24	20	17	15	13	12	XC	381	9%	72%																	
4.24	80	32	25	21	18	16	14	13	VC	367	9%	73%																	

SPRAY TIPS

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⚠ Disclaimer: These charts are published for comparative purposes to demonstrate the differences in the series of Combo-Jet® spray tips. Data used to populate this chart is extrapolated from third party testing data from a controlled conditions test with water as the testing solution. Actual spray applications with active chemical ingredients may change the spray dynamics and spray tip performance specifications. Westward Parts is not liable for any misuse or misrepresentation of this information, leading to (but not limited to) incorrect spray application, crop damage, or any other harm. (Not limited to human, livestock or environmental). ALWAYS follow chemical label nozzle requirements.

ASABE Spray Classification (ASABE S572.1 Standard) Spray quality is categorized based on Dv0.1 and VMD droplet sizes. Objective testing data (by 3rd party), from spray spectrum recording equipment (without wind tunnel use), has been used to classify spray quality for this chart. Extra data (e.g. VMD, etc.) can vary between testing equipment and method, and is provided as an educational resource only. Tips sized up to 110-06 verified on Phase Doppler Particle Analyzer (PDPA); tips sized over 110-06 verified on Malvern.	Fine (F) Medium (M) Coarse (C) Very Coarse (VC) Extremely Coarse (XC) Ultra Coarse (UC)	VMD (Volume Median Diameter) The median droplet (in μ) for a sprayed volume. Half of the volume is made of droplets smaller, with half made up of droplets larger.	% <141μ (% Driftable Fines) Percentage of volume which is likely to drift. As wind & boom height increase, observed spray drift will increase substantially.	% <600μ (% of Small Droplets) % of volume which is made up of 'small' droplets, useful for coverage. As % of useful droplets lowers, overall coverage is reduced.
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Duty Cycle (Effective 'on time' of solenoid)
 The duty cycle is the effective 'on time' of a PWM solenoid. Generally speed ranges are based on a 25% - 100% duty cycle. When selecting a nozzle, often a duty cycle of 60-80% is recommended at typical speeds, providing flexibility for upper speed & turning situations, as well as slower spraying speeds. It is not advised to spray below 40% duty cycle.

Calculating Duty Cycle on Printed Charts (Useful for nozzle sizing & selection)
 On Wilger printed charts, typically a SPEED RANGE is provided, but the duty cycle % is a dynamic factor based on the sprayers travel speed. **To calculate a duty cycle at a given travel speed, divide CURRENT sprayer speed into max nozzle speed. (e.g. 15mph / 20mph max = 75% duty cycle)**

Nozzle Size & Angle	Flow Rate USGPM	Boom PSI	Tip psi	Application Rate in US Gallons / Acre on 20" Nozzle Spacing				Spray Classification; VMD (Droplet Size in μ); %<141 μ (Drift %); %<600 μ (Small Droplets)																
				@ Sprayer Speed in Miles / Hour				ER80 Series			SR80 Series			MR80 Series			DR80 Series							
				Sprayer Speed (on 20" spacing) @				Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	
80-005 Nozzles	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @				ER80-005	#40270-005	SR80-005	#40288-005	MR80-005	#40290-005	DR80-005	#40280-005									
				2GPA	3GPA	4GPA	5GPA	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	
	0.035	20	20	1.3-5.3	0.9-3.5	0.7-2.6	0.5-2.1	F	167	33%	100%													
	0.040	25	25	1.5-5.9	1-3.9	0.7-2.9	0.6-2.3	F	157	40%	100%					M	261	11%	99%	C	311	6%	100%	
	0.043	30	30	1.6-6.4	1.1-4.3	0.8-3.2	0.7-2.6	F	149	46%	100%					M	236	17%	98%	C	276	11%	100%	
	0.047	35	35	1.7-6.9	1.2-4.6	0.9-3.5	0.7-2.8	F	142	51%	100%					M	217	22%	97%	M	250	16%	100%	
	0.050	40	40	1.9-7.4	1.3-5	0.9-3.7	0.8-3	F	137	55%	100%					F	201	26%	96%	M	230	19%	100%	
	0.053	45	45	2-7.9	1.3-5.3	1-3.9	0.8-3.2	F	132	59%	100%					F	189	30%	95%	F	213	23%	100%	
	0.056	50	50	2.1-8.3	1.4-5.5	1.1-4.2	0.8-3.3	F	128	63%	100%					F	178	33%	94%	F	200	25%	100%	
	0.061	60	60	2.3-9.1	1.5-6.1	1.1-4.5	0.9-3.6	F	121	68%	100%					F	161	39%	93%	F	178	30%	100%	
0.064	65	65	2.4-9.5	1.6-6.3	1.2-4.7	1-3.8	F	118	71%	100%					F	154	41%	92%	F	169	33%	100%		
0.066	70	70	2.5-9.8	1.6-6.5	1.2-4.9	1-3.9	F	116	73%	100%					F	148	44%	91%	F	161	35%	100%		
0.071	80	80	2.8-11	1.8-7	1.3-5.3	1.1-4.2	F	111	78%	100%					F	138	48%	90%	F	148	38%	100%		
80-0067 Nozzles	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @				ER80-0067	#40270-0067	SR80-0067	#40288-0067	MR80-0067	#40290-0067	DR80-0067	#40280-0067									
				2GPA	3GPA	4GPA	5GPA	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	
	0.047	20	20	1.8-7	1.2-4.7	0.9-3.5	0.7-2.8	F	199	21%	100%													
	0.053	25	25	2-7.9	1.3-5.2	1-3.9	0.8-3.1	F	183	29%	100%					M	231	18%	99%	C	337	6%	100%	
	0.058	30	30	2.2-8.6	1.4-5.7	1.1-4.3	0.9-3.4	F	171	35%	100%					F	211	24%	98%	C	308	9%	100%	
	0.063	35	35	2.3-9.3	1.6-6.2	1.2-4.7	0.9-3.7	F	161	40%	100%					F	195	29%	97%	C	285	11%	100%	
	0.067	40	40	2.5-9.9	1.7-6.6	1.3-5	1-4	F	153	45%	100%					F	182	33%	96%	M	267	13%	100%	
	0.071	45	45	2.8-11	1.8-7	1.3-5.3	1.1-4.2	F	147	49%	100%					F	171	37%	95%	M	252	15%	100%	
	0.075	50	50	2.8-11	1.9-7.4	1.4-5.6	1.1-4.4	F	141	52%	100%					F	162	40%	94%	M	239	17%	100%	
	0.082	60	60	3-12	2-8.1	1.5-6.1	1.2-4.9	F	131	58%	100%					F	148	46%	93%	M	218	20%	100%	
0.085	65	65	3.3-13	2.1-8.5	1.6-6.3	1.3-5.1	F	128	61%	100%					F	142	49%	92%	F	210	21%	100%		
0.089	70	70	3.3-13	2.2-8.8	1.7-6.6	1.3-5.3	F	124	63%	100%					F	136	51%	91%	F	202	22%	100%		
0.095	80	80	3.5-14	2.4-9.4	1.8-7	1.4-5.6	F	118	68%	100%					F	127	55%	90%	F	189	24%	100%		
80-01 Nozzles	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @				ER80-01	#40270-01	SR80-01	#40288-01	MR80-01	#40290-01	DR80-01	#40280-01									
				2GPA	3GPA	4GPA	5GPA	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	
	0.07	20	20	2.5-10	1.8-7	1.3-5.2	1.1-4.2	F	176	28%	100%	C	293	8%	97%									
	0.08	25	25	3-12	2-7.8	1.5-5.9	1.2-4.7	F	165	35%	100%	M	259	15%	97%									
	0.09	30	30	3.3-13	2.2-8.6	1.6-6.4	1.3-5.1	F	156	41%	100%	M	234	20%	97%	M	219	23%	97%	C	312	10%	94%	
	0.09	35	35	3.5-14	2.3-9.2	1.7-6.9	1.4-5.5	F	149	45%	100%	F	215	25%	97%	F	204	27%	97%	C	292	12%	95%	
	0.10	40	40	3.8-15	2.5-9.9	1.9-7.4	1.5-5.9	F	144	49%	100%	F	199	29%	97%	F	192	30%	97%	C	275	14%	96%	
	0.11	45	45	4-16	2.5-10	2-7.9	1.6-6.3	F	139	53%	100%	F	187	33%	97%	F	182	33%	97%	M	261	15%	97%	
	0.11	50	50	4.3-17	2.8-11	2.1-8.3	1.7-6.6	F	135	56%	100%	F	176	36%	98%	F	173	36%	97%	M	249	17%	98%	
	0.12	60	60	4.5-18	3-12	2.3-9.1	1.8-7.3	F	128	61%	100%	F	159	41%	98%	F	159	40%	97%	M	230	19%	99%	
0.13	65	65	4.8-19	3.3-13	2.4-9.4	1.9-7.6	F	125	64%	100%	F	152	44%	98%	F	153	42%	97%	M	221	20%	100%		
0.13	70	70	5-20	3.3-13	2.5-9.8	2-7.8	F	122	66%	100%	F	146	46%	98%	F	148	44%	97%	F	214	21%	101%		
0.14	80	80	5.3-21	3.5-14	2.5-10	2.1-8.4	F	117	70%	100%	F	135	50%	98%	F	139	48%	97%	F	202	23%	102%		
80-015 Nozzles	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @				ER80-015	#40270-015	SR80-015	#40288-015	MR80-015	#40290-015	DR80-015	#40280-015									
				3GPA	4GPA	5GPA	6GPA	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	Class	VMD	%<141	%<600	
	0.11	20	20	2.5-10	2-7.8	1.6-6.3	1.3-5.2	F	200	21%	100%													
	0.12	25	25	3-12	2.2-8.8	1.8-7	1.5-5.8	F	189	25%	100%	C	287	12%	94%									
	0.13	30	30	3.3-13	2.4-9.6	1.9-7.7	1.6-6.4	F	180	29%	100%	M	264	16%	95%	C	324	10%	94%	VC	419	4%	87%	
	0.14	35	35	3.5-14	2.5-10	2.1-8.3	1.7-6.9	F	173	32%	100%	M	245	19%	96%	C	302	12%	95%	VC	398	5%	89%	
	0.15	40	40	3.8-15	2.8-11	2.2-8.9	1.9-7.4	F	167	34%	100%	M	231	22%	96%	C	285	14%	96%	C	361	6%	90%	
	0.16	45	45	4-16	3-12	2.4-9.4	2-7.8	F	162	37%	100%	M	219	24%	97%	M	270	16%	97%	C	387	6%	91%	
	0.17	50	50	4.3-17	3-12	2.5-9.9	2.1-8.3	F	158	39%	100%	F	208	26%	97%	M	257	17%	97%	C	354	7%	92%	
	0.18	60	60	4.5-18	3.5-14	2.8-11	2.3-9.1	F	151	42%	100%	F	191	30%	97%	M	237	19%	98%	C	333	8%	94%	
0.19	65	64	4.8-19	3.5-14	2.8-11	2.4-9.4	F	148	44%	100%	F	184	31%	97%	M	228	21%	98%	C	325	8%	94%		
0.20	70	69	5-20	3.8-15	3-12	2.5-9.8	F	145	45%	100%	F	178	33%	98%	M	221	22%	99%	C	317	9%	95%		
0.21	80	79	5.3-21	4-16	3.3-13	2.5-10	F	140	48%	100%	F	168	35%	98%	F	208	23%	99%	C	303	10%	95%		
80-02 Nozzles	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @				ER80-02	#40270-02	SR80-02	#40288-02	MR80-02	#40290-02	DR80-02	#40280-02									
				3GPA	4GPA	5GPA	6GPA																	

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Nozzles	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @				ER80-10		#40270-10		SR80-10		#40288-10		MR80-10		#40290-10		DR80-10		#40280-10					
				15GPA	18GPA	20GPA	25GPA	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
				3.5-14	3-12	2.8-11	2.2-8.6	XC	450	9%	78%																
80-10	0.73	30	21	3.5-14	3-12	2.8-11	2.2-8.6	XC	450	9%	78%																
	0.79	35	25	4-16	3.3-13	3-12	2.3-9.3	XC	429	10%	80%	UC	538	6%	49%												
	0.84	40	28	4.3-17	3.5-14	3-12	2.5-10	XC	412	11%	81%	UC	520	6%	54%												
	0.89	45	32	4.5-18	3.8-15	3.3-13	2.8-11	VC	398	12%	82%	UC	504	7%	57%	UC	539	5%	63%	UC	605	5%	53%				
	0.94	50	35	4.8-19	4-16	3.5-14	2.8-11	VC	385	13%	83%	UC	489	7%	60%	UC	527	6%	65%	UC	595	5%	55%				
	1.03	60	42	5-20	4.3-17	3.8-15	3-12	C	364	15%	85%	XC	464	8%	64%	UC	507	6%	68%	UC	577	5%	58%				
	1.07	65	46	5.3-21	4.5-18	4-16	3.3-13	C	356	15%	85%	XC	453	8%	66%	UC	498	7%	69%	UC	569	6%	59%				
	1.11	70	49	5.5-22	4.5-18	4.3-17	3.3-13	C	348	16%	86%	XC	442	9%	67%	UC	490	7%	70%	UC	562	6%	60%				
1.19	80	56	6-24	5-20	4.5-18	3.5-14	M	334	17%	87%	XC	424	9%	70%	XC	476	7%	72%	UC	550	6%	62%					
80-125	0.91	35	21	4.5-18	3.8-15	3.5-14	2.8-11	XC	451	9%	77%																
	0.97	40	24	4.8-19	4-16	3.5-14	3-12	XC	436	10%	78%	UC	535	6%	50%												
	1.03	45	27	5-20	4.3-17	3.8-15	3-12	XC	423	11%	80%	UC	520	6%	53%												
	1.09	50	30	5.5-22	4.5-18	4-16	3.3-13	XC	412	11%	81%	UC	508	7%	55%												
	1.19	60	36	6-24	5-20	4.5-18	3.5-14	VC	393	12%	83%	UC	486	8%	59%	UC	566	6%	59%	UC	605	4%	53%				
	1.24	65	39	6.3-25	5-20	4.5-18	3.8-15	VC	385	13%	83%	XC	476	8%	61%	UC	558	6%	60%	UC	597	5%	54%				
	1.29	70	42	6.3-25	5.3-21	4.8-19	3.8-15	C	377	13%	84%	XC	467	8%	62%	UC	551	6%	61%	UC	589	5%	55%				
	1.38	80	48	6.8-27	5.8-23	5-20	4-16	C	374	14%	85%	XC	451	9%	64%	UC	538	7%	63%	UC	577	5%	57%				
80-15	1.08	40	21	4.5-18	4-16	3.3-13	2.8-11	XC	459	7%	76%																
	1.14	45	23	4.8-19	4.3-17	3.5-14	2.8-11	XC	444	8%	77%																
	1.20	50	26	5-20	4.5-18	3.5-14	3-12	XC	430	9%	78%	UC	572	5%	44%												
	1.32	60	31	5.5-22	5-20	4-16	3.3-13	XC	408	10%	79%	UC	550	6%	48%												
	1.37	65	34	5.8-23	5-20	4-16	3.5-14	XC	399	11%	80%	UC	540	6%	50%	UC	500	8%	68%	UC	625	3%	50%				
	1.43	70	36	6-24	5.3-21	4.3-17	3.5-14	XC	390	12%	80%	UC	531	6%	51%	UC	491	8%	69%	UC	616	3%	51%				
	1.52	80	41	6.3-25	5.8-23	4.5-18	3.8-15	VC	375	13%	81%	UC	515	6%	54%	XC	476	9%	71%	UC	602	3%	54%				
80-20	1.37	50	19	6.8-27	5-20	3.5-14	2.5-10	UC	520	6%	66%																
	1.50	60	23	7.5-30	5.5-22	3.8-15	2.8-11	UC	496	7%	69%	UC	587	5%	41%												
	1.56	65	24	7.8-31	5.8-23	3.8-15	3-12	UC	486	8%	70%	UC	577	5%	43%												
	1.62	70	26	8-32	6-24	4-16	3-12	XC	477	8%	71%	UC	568	5%	45%												
	1.73	80	30	8.5-34	6.5-26	4.3-17	3.3-13	XC	460	9%	73%	UC	551	5%	48%	UC	564	5%	58%	UC	628	3%	50%				

NOTE: 'SR, MR, DR, UR spray tips include pre-orifice(s). Pre-orifices are not interchangeable between different spray tips of different series. *Shown application information is based on water @ 80°F in a controlled environment and should not be considered actual. Information is provided for comparison to other Combo-Jet® spray tips, for educational purposes only. Repeat testing results can vary.

SPRAY TIPS

Comprehensive rate & speed charts for any nozzle spacing/speed/rate is available on Tip Wizard. Try it today!

Duty Cycle (Effective 'on time' of solenoid)
The duty cycle is the effective 'on time' of a PWM solenoid. Generally speed ranges are based on a 25% - 100% duty cycle.

Calculating Duty Cycle on Printed Charts (Useful for nozzle sizing & selection)
On Wilger printed charts, typically a SPEED RANGE is provided, but the duty cycle % is a dynamic factor based on the sprayers travel speed.

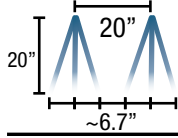
Main data table with columns for Nozzles, Flow, Boom, Tip, Sprayer Speed (on 20' spacing), and various performance metrics (VMD, Class, etc.) for different nozzle sizes and configurations.

SPRAY TIPS

Wilger Combo-Jet® Metering Orifices & Fertilizer Streamer Caps

COMBO-JET® Fertilizer Streamer Caps

Color-coded 3-hole streamer nozzles designed for streaming liquid fertilizer on consistent spacing to minimize leaf burn.



Operating Pressure	10-60 PSI
O-rings	FKM (viton avail.)
Material	Glass-reinforced Polypropylene



COMBO-JET® Metering Orifices

Metering orifice snap into any Combo-Jet or Radialock caps to meter fertilizer or chemical flow rates.



Short style orifices are compatible with Combo-Jet snap-in strainers.
*Some metering orifices have long stems, as they do not require strainers.

UR series Orifices

If you are looking for replacement two-piece pre-orifices for Combo-Jet UR series spray tips, visit the UR series spray tip page for part numbers.



Combo-Jet Streamer Nozzle Size	Metering Orifice Size	Pres. (PSI)	Flow Rate (us gpm)	10" Outlet Spacing			12" Outlet Spacing			15" Outlet Spacing			20" Outlet Spacing			30" Outlet Spacing		
				4.5 MPH	5.0 MPH	6.5 MPH	4.5 MPH	5.0 MPH	6.5 MPH	4.5 MPH	5.0 MPH	6.5 MPH	4.5 MPH	5.0 MPH	6.5 MPH	4.5 MPH	5.0 MPH	6.5 MPH
Using Tip Wizard makes selecting metering orifices & streamer caps easy! TRY IT FREE AT www.WILGER.NET Download on the App Store GET IT ON Google Play	 -005 COMBO-JET Metering Orifice 40285-005	15	0.03	4.0	3.6	2.8	3.3	3.0	2.3	2.7	2.4	1.9	1.4	1	0.7	1.3	1.2	0.9
		20	0.04	4.6	4.2	3.2	3.9	3.5	2.7	3.1	2.8	2.1	1.6	1.2	0.8	1.5	1.4	1.1
		25	0.04	5.2	4.7	3.6	4.3	3.9	3.0	3.5	3.1	2.4	1.7	1.3	0.9	1.7	1.6	1.2
		30	0.04	5.7	5.1	3.9	4.7	4.3	3.3	3.8	3.4	2.6	1.8	1.4	0.9	1.9	1.7	1.3
		35	0.05	6.1	5.5	4.2	5.1	4.6	3.5	4.1	3.7	2.8	2	1.5	1	2.0	1.8	1.4
	 -0067 COMBO-JET Metering Orifice 40285-007	40	0.05	6.6	5.9	4.5	5.5	4.9	3.8	4.4	3.9	3.0	2.1	1.6	1	2.2	2.0	1.5
		45	0.05	7.0	6.3	4.8	5.8	5.2	4.0	4.6	4.2	3.2	2.2	1.6	1.1	2.3	2.1	1.6
		15	0.04	5.4	4.9	3.7	4.5	4.1	3.1	3.6	3.2	2.5	1.9	1.4	0.9	1.8	1.6	1.2
		20	0.05	6.3	5.6	4.3	5.2	4.7	3.6	4.2	3.8	2.9	2.1	1.6	1	2.1	1.9	1.4
		25	0.05	7.0	6.3	4.8	5.8	5.2	4.0	4.7	4.2	3.2	2.3	1.7	1.1	2.3	2.1	1.6
	 -01 COMBO-JET Metering Orifice 40285-01	30	0.06	7.7	6.9	5.3	6.4	5.7	4.4	5.1	4.6	3.5	2.5	1.9	1.2	2.6	2.3	1.8
		35	0.06	8.3	7.4	5.7	6.9	6.2	4.8	5.5	5.0	3.8	2.7	2	1.3	2.8	2.5	1.9
		40	0.07	8.8	8.0	6.1	7.4	6.6	5.1	5.9	5.3	4.1	2.8	2.1	1.4	2.9	2.7	2.0
		45	0.07	9.4	8.4	6.5	7.8	7.0	5.4	6.3	5.6	4.3	3	2.2	1.5	3.1	2.8	2.2
		15	0.06	8.1	7.3	5.6	6.8	6.1	4.7	5.4	4.9	3.7	2.8	2.1	1.4	2.7	2.4	1.9
 -015 COMBO-JET Metering Orifice 40285-015	20	0.07	9.4	8.4	6.5	7.8	7.0	5.4	6.3	5.6	4.3	3.1	2.4	1.6	3.1	2.8	2.2	
	25	0.08	10	9.4	7.3	8.7	7.9	6.0	7.0	6.3	4.8	3.4	2.6	1.7	3.5	3.1	2.4	
	30	0.09	11	10	8	10	8.6	6.6	7.7	6.9	5.3	3.7	2.8	1.9	3.8	3.4	2.7	
	35	0.09	12	11	9	10	9.3	7.2	8.3	7.4	5.7	4	3	2	4.1	3.7	2.9	
	40	0.10	13	12	9	11	10	7.7	8.8	8.0	6.1	4.2	3.2	2.1	4.4	4.0	3.1	
 -02 COMBO-JET Metering Orifice 40285-02	45	0.11	14	13	10	12	11	8.1	9.4	8.4	6.5	4.4	3.3	2.2	4.7	4.2	3.2	
	15	0.09	12	11	8.4	10	9.1	7.0	8.1	7.3	5.6	4.2	3.2	2.1	4.0	3.6	2.8	
	20	0.11	14	13	10	12	11	8.1	9.3	8.4	6.5	4.7	3.5	2.3	4.7	4.2	3.2	
	25	0.12	16	14	11	13	12	9.0	10	9.4	7.2	5.1	3.9	2.6	5.2	4.7	3.6	
	30	0.13	17	15	12	14	13	10	11	10	7.9	5.6	4.2	2.8	5.7	5.1	4.0	
 -025 COMBO-JET Metering Orifice 40285-025	35	0.14	19	17	13	15	14	11	12	11	8.6	5.9	4.5	3	6.2	5.6	4.3	
	40	0.15	20	18	14	17	15	11	13	12	9.1	6.3	4.7	3.2	6.6	5.9	4.6	
	45	0.16	21	19	15	18	16	12	14	13	10	6.6	5	3.3	7.0	6.3	4.8	
	15	0.12	16	15	11	13	12	9.3	11	10	7.4	5.6	4.2	2.8	5.4	4.8	3.7	
	20	0.14	19	17	13	16	14	11	12	11	8.6	6.2	4.7	3.1	6.2	5.6	4.3	
 -03 COMBO-JET Metering Orifice 40285-03	25	0.16	21	19	14	17	16	12	14	12	10	6.8	5.1	3.4	6.9	6.2	4.8	
	30	0.17	23	21	16	19	17	13	15	14	11	7.4	5.5	3.7	7.6	6.8	5.3	
	35	0.19	25	22	17	21	18	14	16	15	11	7.9	5.9	4	8.2	7.4	5.7	
	40	0.20	26	24	18	22	20	15	18	16	12	8.4	6.3	4.2	8.8	7.9	6.1	
	45	0.21	28	25	19	23	21	16	19	17	13	8.8	6.6	4.4	9.3	8.4	6.4	
 -04 COMBO-JET Metering Orifice 40285-04	15	0.15	20	18	14	17	15	12	13	12	9.3	7	5.2	3.5	6.7	6.1	4.7	
	20	0.18	23	21	16	19	17	13	16	14	11	7.8	5.9	3.9	7.8	7.0	5.4	
	25	0.20	26	23	18	22	20	15	17	16	12	8.6	6.4	4.3	8.7	7.8	6.0	
	30	0.22	29	26	20	24	21	16	19	17	13	9.2	6.9	4.6	10	8.6	6.6	
	35	0.23	31	28	21	26	23	18	21	18	14	9.9	7.4	4.9	10	9.2	7.1	
 -05 COMBO-JET Metering Orifice 40285-05	40	0.25	33	30	23	27	25	19	22	20	15	10	7.9	5.2	11	10	7.6	
	45	0.26	35	31	24	29	26	20	23	21	16	11	8.3	5.5	12	10	8.1	
	15	0.18	24	22	17	20	18	14	16	15	11	8.4	6.3	4.2	8.1	7.3	5.6	
	20	0.21	28	25	19	23	21	16	19	17	13	9.4	7	4.7	9.3	8.4	6.5	
	25	0.24	31	28	22	26	23	18	21	19	14	10	7.7	5.1	10	9.4	7.2	
 -04 COMBO-JET Metering Orifice 40285-04	30	0.26	34	31	24	29	26	20	23	21	16	11	8.3	5.6	11	10	7.9	
	35	0.28	37	33	26	31	28	21	25	22	17	12	8.9	5.9	12	11	8.6	
	40	0.30	40	36	27	33	30	23	26	24	18	13	9.5	6.3	13	12	9.1	
	45	0.32	42	38	29	35	32	24	28	25	19	13	10	6.6	14	13	10	
	15	0.24	32	29	22	27	24	19	22	19	15	11	8.4	5.6	11	10	7.5	
 -05 COMBO-JET Metering Orifice 40285-05	20	0.28	37	34	26	31	28	22	25	22	17	13	9.4	6.3	12	11	8.6	
	25	0.32	42	38	29	35	31	24	28	25	19	14	10	6.9	14	13	10	
	30	0.35	46	41	32	38	34	26	30	27	21	15	11	7.4	15	14	11	
	35	0.37	49	44	34	41	37	28	33	30	23	16	12	7.9	16	15	11	
	40	0.40	53	47	37	44	40	30	35	32	24	17	13	8.4	18	16	12	
 -05 COMBO-JET Metering Orifice 40285-05	45	0.42	56	50	39	47	42	32	37	34	26	18	13	8.8	19	17	13	
	15	0.31	40	36	28	34	30	23	27	24	19	12	9.1	6.1	13	12	9.3	
	20	0.35	47	42	32	39	35	27	31	28	22	14	11	7	16	14	11	
	25	0.40	52	47	36	43	39	30	35	31	24	16	12	7.8	17	16	12	
	30	0.43	57	51	40	48	43	33	38	34	26	17	13	8.6	19	17	13	
 -05 COMBO-JET Metering Orifice 40285-05	35	0.47	62	56	43	51	46	36	41	37	28	19	14	9.3	21	19	14	
	40	0.50	66	59	46	55	49	38	44	40	30	20	15	9.9	22	20	15	
	45	0.53	70	63	48	58	53	40	47	42	32	21	16	11	23	21	16	

SPRAY TIPS







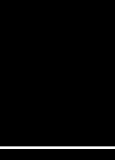
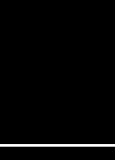
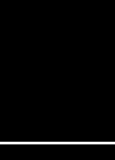
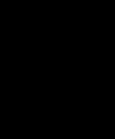
Common Liquid Weight, Specific Gravity, and Conversion Factor for Flow Rate:

Required Flow Rate x Conversion Factor = Flow Rate adjusted for density

[WATER] 8.34 lbs/gal
Specific Gravity 1.0
Conversion Factor: 1.00

[28-0-0] 10.67 lbs/gal
Specific Gravity 1.28
Conversion Factor: 1.13

[10-34-0] 11.65 lbs/gal
Specific Gravity 1.28
Conversion Factor: 1.18

Metering Orifice Size	Pres. (PSI)	Flow Rate (us gpm)	10" Outlet Spacing			12" Outlet Spacing			15" Outlet Spacing			20" Outlet Spacing			30" Outlet Spacing					
			Application Rates (GPA) @									Application Rates (GPA) @								
			4.5 MPH	5.0 MPH	6.5 MPH	4.5 MPH	5.0 MPH	6.5 MPH	4.5 MPH	5.0 MPH	6.5 MPH	4.5 MPH	5.0 MPH	6.5 MPH	7.5 MPH	10 MPH	15 MPH	4.5 MPH	5.0 MPH	6.5 MPH
 40443-06 40285-06	15	0.37	49	44	34	40	36	28	32	29	22	15	11	7.3	16	15	11			
	20	0.42	56	50	39	47	42	32	37	34	26	17	13	8.4	19	17	13			
	25	0.47	63	56	43	52	47	36	42	38	29	19	14	9.4	21	19	14			
	30	0.52	69	62	48	57	51	40	46	41	32	21	15	10	23	21	16			
	35	0.56	74	67	51	62	56	43	49	44	34	22	17	11	25	22	17			
	40	0.60	79	71	55	66	59	46	53	48	37	24	18	12	26	24	18			
 40443-08 40285-08	15	0.49	65	58	45	54	49	37	43	39	30	19	15	9.7	22	19	15			
	20	0.57	75	67	52	62	56	43	50	45	34	22	17	11	25	22	17			
	25	0.63	84	75	58	70	63	48	56	50	39	25	19	13	28	25	19			
	30	0.69	91	82	63	76	69	53	61	55	42	27	21	14	30	27	21			
	35	0.75	99	89	68	82	74	57	66	59	46	30	22	15	33	30	23			
	40	0.80	106	95	73	88	79	61	70	63	49	32	24	16	35	32	24			
 40443-10 40285-10	15	0.62	81	73	56	68	61	47	54	49	37	24	18	12	27	24	19			
	20	0.71	94	84	65	78	70	54	63	56	43	28	21	14	31	28	22			
	25	0.79	105	94	73	87	79	60	70	63	48	31	24	16	35	31	24			
	30	0.87	115	103	80	96	86	66	77	69	53	34	26	17	38	34	27			
	35	0.94	124	112	86	103	93	72	83	74	57	37	28	19	41	37	29			
	40	1.00	133	119	92	111	99	77	88	80	61	40	30	20	44	40	31			
 40443-125 40285-125	15	0.76	101	91	70	84	76	58	67	60	47	30	23	15	34	30	23			
	20	0.88	116	105	81	97	87	67	78	70	54	35	26	17	39	35	27			
	25	0.99	130	117	90	108	98	75	87	78	60	39	29	20	43	39	30			
	30	1.08	143	128	99	119	107	82	95	86	66	43	32	21	48	43	33			
	35	1.17	154	139	107	128	115	89	103	92	71	46	35	23	51	46	36			
	40	1.25	165	148	114	137	123	95	110	99	76	49	37	25	55	49	38			
 40443-15 40285-15	15	0.92	121	109	84	101	91	70	81	73	56	36	27	18	40	36	28			
	20	1.06	140	126	97	117	105	81	93	84	65	42	32	21	47	42	32			
	25	1.19	157	141	108	131	117	90	104	94	72	47	35	23	52	47	36			
	30	1.30	172	154	119	143	129	99	114	103	79	51	39	26	57	51	40			
	35	1.40	185	167	128	154	139	107	124	111	86	56	42	28	62	56	43			
	40	1.50	198	178	137	165	149	114	132	119	91	59	45	30	66	59	46			
 40443-20 40285-20	15	1.22	161	145	112	135	121	93	108	97	75	48	36	24	54	48	37			
	20	1.41	186	168	129	155	140	108	124	112	86	56	42	28	62	56	43			
	25	1.58	208	188	144	174	156	120	139	125	96	63	47	31	69	63	48			
	30	1.73	228	206	158	190	171	132	152	137	105	69	51	34	76	69	53			
	35	1.87	247	222	171	206	185	142	164	148	114	74	55	37	82	74	57			
	40	2.00	264	237	183	220	198	152	176	158	122	79	59	40	88	79	61			
 40443-25 40285-25	15	1.53	202	182	140	168	152	117	135	121	93	61	45	30	67	61	47			
	20	1.77	233	210	162	194	175	135	156	140	108	70	53	35	78	70	54			
	25	1.98	261	235	181	217	196	151	174	157	120	78	59	39	87	78	60			
	30	2.17	286	257	198	238	214	165	191	171	132	86	64	43	95	86	66			
	35	2.34	309	278	214	257	232	178	206	185	142	93	69	46	103	93	71			
	40	2.50	330	297	228	275	247	190	220	198	152	99	74	49	110	99	76			
 40443-30 40285-30	15	1.84	243	218	168	202	182	140	162	146	112	73	55	36	81	73	56			
	20	2.12	280	252	194	234	210	162	187	168	129	84	63	42	93	84	65			
	25	2.37	313	282	217	261	235	181	209	188	145	94	70	47	104	94	72			
	30	2.60	343	309	238	286	257	198	229	206	158	103	77	51	114	103	79			
	35	2.81	371	334	257	309	278	214	247	222	171	111	83	56	124	111	86			
	40	3.00	396	357	274	330	297	229	264	238	183	119	89	59	132	119	91			
 40443-40 40285-40	15	2.45	323	291	224	269	242	186	215	194	149	97	73	48	108	97	75			
	20	2.83	373	336	258	311	280	215	249	224	172	112	84	56	124	112	86			
	25	3.16	417	375	289	347	313	241	278	250	192	125	94	63	139	125	96			
	30	3.46	457	411	316	381	343	263	304	274	211	137	103	69	152	137	105			
	35	3.74	493	444	342	411	370	285	329	296	228	148	111	74	164	148	114			
	40	4.00	527	475	365	439	396	304	352	316	243	158	119	79	176	158	122			
 40443-50 40285-50	15	3.06	405	364	280	337	303	233	270	243	187	121	91	61	135	121	93			
	20	3.54	467	420	323	389	350	269	311	280	216	140	105	70	156	140	108			
	25	3.96	522	470	362	435	392	301	348	313	241	157	118	78	174	157	121			
	30	4.33	572	515	396	477	429	330	381	343	264	172	129	86	191	172	132			
	35	4.68	618	556	428	515	463	356	412	371	285	185	139	93	206	185	143			
	40	5.00	661	595	457	550	495	381	440	396	305	198	149	99	220	198	152			

*Short and long pre-orifices are intended to be used as replacement. If a long pre-orifice is used in a spray nozzle, replace it with the same length pre-orifice.

Wilger Combo-Jet® Narrow-Angle Nozzles For Spot Spraying

A full selection of narrow angle spray nozzles for use in specialty applications that require a narrow, but thick pattern. These nozzles are fully compatible with PWM spray systems, and other optical spray systems. Contact factory for availability.

COMBO-JET® ER & DX Series of 20°, 40° & 60° Spray Nozzles for Optical & Spot Spraying

A new series of DX drift reduction, narrow angle nozzles.

Nozzle Size & Angle	Flow Rate us gpm	Boom PSI	Application Rate in Gallons/Acre on 10inch Nozzle Spacing						20° Nozzles	40° Nozzles	60° Nozzles
			@ Sprayer Speed in mph								
For smaller sizes of nozzles in narrow-angle varieties, please contact Wilger. As spot-spraying systems continue to develop, Wilger expects to have a variety of nozzles developed to support the new improvements to maximize effectiveness.											
-015 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10inch spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			5gpa	8gpa	10gpa	13gpa	15gpa	18gpa	DX20-015	DX40-015	DX60-015
	0.130	30	15	10	8	5.9	5.1	4.3	#42220-015	#42240-015	#42260-015
	0.150	40	18	11	9	7	5.9	5.0			
	0.168	50	20	12	10	8	7	5.5	Fine Spray ER20-015	Fine Spray ER40-015	Fine Spray ER60-015
0.184	60	22	14	11	8	7	6.1	#42120-015	#42140-015	#42160-015	
0.198	70	24	15	12	9	8	7				
-02 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			8gpa	10gpa	13gpa	15gpa	18gpa	20gpa	DX20-02	DX40-02	DX60-02
	0.173	30	13	10	8	7	5.7	5.1	#42220-02	#42240-02	#42260-02
	0.200	40	15	12	9	8	7	6			
	0.224	50	17	13	10	9	7	7	Fine Spray ER20-02	Fine Spray ER40-02	Fine Spray ER60-02
0.245	60	18	15	11	10	8	7	#42120-02	#42140-02	#42160-02	
0.265	70	20	16	12	10	9	8				
-025 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			10gpa	12gpa	15gpa	18gpa	20gpa	23gpa	DX20-025	DX40-025	DX60-025
	0.217	30	13	11	9	7	6	5.6	#42220-025	#42240-025	#42260-025
	0.250	40	15	12	10	8	7	7			
	0.280	50	17	14	11	9	8	7	Fine Spray ER20-025	Fine Spray ER40-025	Fine Spray ER60-025
0.306	60	18	15	12	10	9	8	#42120-025	#42140-025	#42160-025	
0.331	70	20	16	13	11	10	9				
-03 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			13gpa	15gpa	18gpa	20gpa	23gpa	25gpa	DX20-03	DX40-03	DX60-03
	0.260	30	12	10	9	8	7	6	#42220-03	#42240-03	#42260-03
	0.300	40	14	12	10	9	8	7			
	0.335	50	15	13	11	10	9	8	Fine Spray ER20-03	Fine Spray ER40-03	Fine Spray ER60-03
0.367	60	17	15	12	11	10	9	#42120-03	#42140-03	#42160-03	
0.397	70	18	16	13	12	10	9				
-04 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			15gpa	20gpa	25gpa	28gpa	30gpa	33gpa	DX20-04	DX40-04	DX60-04
	0.346	30	14	10	8	7	7	6	#42220-04	#42240-04	#42260-04
	0.400	40	16	12	10	9	8	7			
	0.447	50	18	13	11	10	9	8	Fine Spray ER20-04	Fine Spray ER40-04	Fine Spray ER60-04
0.490	60	19	15	12	10	10	9	#42120-04	#42140-04	#42160-04	
0.529	70	21	16	13	11	10	10				
-05 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			18gpa	24gpa	25gpa	30gpa	35gpa	38gpa	DX20-05	DX40-05	DX60-05
	0.43	30	14	13	10	9	7	7	#42220-05	#42240-05	#42260-05
	0.50	40	17	15	12	10	9	8			
	0.56	50	18	17	13	11	10	9	Fine Spray ER20-05	Fine Spray ER40-05	Fine Spray ER60-05
0.61	60	20	18	15	12	10	10	#42120-05	#42140-05	#42160-05	
0.66	70	22	20	16	13	11	10				
-06 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			20gpa	25gpa	30gpa	35gpa	40gpa	45gpa	DX20-06	DX40-06	DX60-06
	0.52	30	15	12	10	9	8	7	#42220-06	#42240-06	#42260-06
	0.60	40	18	14	12	10	9	8			
	0.67	50	20	16	13	11	10	9	Fine Spray ER20-06	Fine Spray ER40-06	Fine Spray ER60-06
0.73	60	22	17	15	12	11	10	#42120-06	#42140-06	#42160-06	
0.79	70	24	19	16	13	12	10				
-08 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			30gpa	35gpa	40gpa	45gpa	50gpa	55gpa	DX20-08	DX40-08	DX60-08
	0.69	30	14	12	10	9	8	8	#42220-08	#42240-08	#42260-08
	0.80	40	16	14	12	11	10	9			
	0.89	50	18	15	13	12	11	10	Fine Spray ER20-08	Fine Spray ER40-08	Fine Spray ER60-08
0.98	60	19	17	15	13	12	11	#42120-08	#42140-08	#42160-08	
1.06	70	21	18	16	14	13	11				
-10 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			40gpa	45gpa	50gpa	60gpa	65gpa	70gpa	DX20-10	DX40-10	DX60-10
	0.87	30	13	11	10	9	8	7	#42220-10	#42240-10	#42260-10
	1.00	40	15	13	12	10	9	9			
	1.12	50	17	15	13	11	10	10	Fine Spray ER20-10	Fine Spray ER40-10	Fine Spray ER60-10
1.22	60	18	16	15	12	11	10	#42120-10	#42140-10	#42160-10	
1.32	70	20	17	16	13	12	11				
-125 Nozzles	Flow us gpm	Boom PSI	Sprayer Speed (on 10in spacing) @						Drift Reduction	Drift Reduction	Drift Reduction
			50gpa	60gpa	70gpa	80gpa	90gpa	100	DX20-125	DX40-125	DX60-125
	1.08	30	13	11	9	8	7	6	#42220-125	#42240-125	#42260-125
	1.25	40	15	12	11	9	8	7			
	1.40	50	17	14	12	10	9	8	Fine Spray ER20-125	Fine Spray ER40-125	Fine Spray ER60-125
1.53	60	18	15	13	11	10	9	#42120-125	#42140-125	#42160-125	
1.65	70	20	16	14	12	11	10				

For larger sizes of nozzles in narrow-angle varieties, please contact Westward Parts. As spot-spraying systems continue to develop, Wilger expects to have a variety of nozzles developed in turn to support the new improvements to maximize effectiveness.

What is optical spot spraying?

Optical spraying systems, or spot spraying based on optical feedback is used for a variety of purposes and with different modes of action.

Spray on Green

Optics identify 'green' targets in field, and sprays them.

- Pre-plant spraying to clear out established weeds
- Spraying fungicide on plants in field, ignoring dirt.
- Using modes of actions to manage resistant weeds.
- Foliar fertilizer applications on plant only

Green on Green

Optics & computer differentiate plants in field and spray target plants only.

- Spraying weeds ONLY, avoiding planted crop.
- Spraying crop with fungicide, ignoring weeds.
- Spraying different weeds with different chemicals

While the potential benefits of Green on Green provide a great deal of flexibility & means to use cost-prohibitive herbicide regimens, the means to differentiate plants at application time and development of the computing power and learning mechanisms are continually under development.

What is the DX series of spray tip?

Effectively through development of the narrow angle nozzles, there seems to be a relative sweet spot for consistent coverage and maintaining a reasonable level of driftable fines.

Since optical/spot sprayers are commonly sharing a maximum speed and narrow spacing, it is easier to consolidate what Wilger finds as a good middle ground to offer a single drift reduction nozzle.

That being said, if you have a significant need for a coarser option than the DX nozzle, by all means contact Wilger and we would likely have something that might be made available to you.

Other uses for narrow-angle nozzles

Narrow angle spray nozzles are also key in improving some non-broadcast spraying.

Narrower angle nozzles can be used in applications that specifically target certain parts of the plant where application to the rest of the plant is waste.

There are also cropping applications that might be continually cropping into high stubble, where traditional wide angle nozzles will result in significant spray catch and run-off in the stubble.

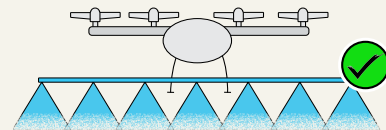
It is important to recognize narrow angle nozzles are not to be used strictly as replacements for nozzles that are intended for your sprayer (e.g. 80° or 110°). They are only an option to further isolate and target a spray target to achieve better spray efficiency and minimize chemical waste.

Are they still PWM-compatible?



Absolutely! The narrow angles use the same drift reduction design that is completely compatible with optical spray systems that are typically driven by PWM solenoids. The consistent thickness of the narrow angles make the key choices for optical spot sprayers for both compatibility and performance.

Are DX nozzles used on Drone Sprayers?



UAV sprayer applicators ARE able to use DX nozzles for targeted spray applications, but often due to boom constraints, required swath width or UAV sprayer outfitting, wider angle nozzles like the MR110° nozzles might be used. Operators in special circumstances that require a very narrow spray swath can take advantage of the DX series of narrow-angle nozzles.

DX nozzles can be used on UAV sprayers, but they would likely be specialty applications or on sprayers that require very narrow spacing. Contact WILGER offices for smaller sizes of DX nozzles for Drone applications.

SPRAY TIPS



QN50 TEE & HOSE BARB FITTINGS

3/4" NPT Compatible

Part No. SPP25128-00

No.	Mfg. No.	Description
SPP40202-00	40202-00	Hardi to Combo-Jet
SPP40203-00	40203-00	C-J Adapter to S-S
SPP40204-00	40204-00	Sq Lug to Combo-Jet
SPP40205-00	40205-00	Agrifac to Combo-Jet
SPP40206-00	40206-00	Nozzle & Cap Adapter



SPP40203-00
Converts COMBO-JET Outlet to Square Lug (e.g. Teejet/Hydro) -Quarter Turn-



SPP40204-00
Converts Square Lug (e.g. Teejet/Hydro) Outlet to COMBO-JET -TWISTLOCK-




SPP40205-00
Converts Agrifac Outlet to COMBO-JET -Easy nozzle sleeve-snaps into Combo-Jet caps

• Required when using standard tips such as Teejet with Radiallock Combo-Jet Nozzle Bodies

• Use with Radiallock seal, Part No. SPP40260-00





Radiallock Caps



Universal Slot

For Use with Spray Tips


Standard / Teejet Flat Spray Tips (Smaller Capacities)

 Standard -0067 Thru -08	 XR -01 Thru -08	 DG -015 Thru -05	 TT -01 Thru -08
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Kematal Flat Spray Tips
No. NS-110-PF



No.	Mfg. No.
SPP40269-01	40269-01
SPP40269-02	40269-02
SPP40269-03	40269-03
SPP40269-04	40269-04
SPP40269-05	40269-05


Radiallock Caps




Universal Round





Standard / Teejet Flat Spray Tips (Larger Capacities)

 Standard -10 Thru -20	 XR -10 Thru -15
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TK-VS FloodJet VisiFlo Spray Tip
 Locating Nib





Turbo FloodJet VisiFlo Spray Tip


TK FloodJet® Cone **FL FullJet®** **TX/TXA ConeJet®** **TG Full**

			
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* Cannot be used with Teejet TXB ConeJet tips.


Ceramic Disc-Core

			
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*** Use seal for Disc-Core sprays. Insert core into seal No. SPPCP18999-EPR EPDM or No. SPPCP18999-VI Viton





No.	Mfg. No.
SPP40271-03	40271-03
SPP40271-04	40271-04
SPP73138	40271-05

Radiallock Caps




Widerslot

TF-VP Turbo FloodJet **SJ3 StreamJet** **TJ TwinJet** **AI TeeJet**

		 No. TJ60 Spray Tip	 No. AI Spray Tip
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No.	Mfg. No.
SPP40276-01	40276-01
SPP40276-02	40276-02
SPP40276-03	40276-03
SPP40276-04	40276-04
SPP40276-05	40276-05

RADIALOCK PLUG CAPS



No.	Mfg. No.	Color
SPP40272-02	40272-02	White
SPP40272-05	40272-05	Black

Colour	100 Mesh	50 Mesh	16/25 Mesh
-1 or smaller	X		
-015	X		
-02	X	X	
-025		X	
-03		X	
-04		X	
-05		X	X
-06		X	X
-08 or larger	Nozzle strainer is generally not required		X


SNAP-IN STRAINERS & O-RINGS



Combo-jet strainers snap into the metering orifice or seal adapter for a 'one-piece'-handling cap

40250-00 40251-00

PUSH-IN-TUB CAPS




No.	Tube Size	
SPP40435-B5	1/4"	FKM O-ring Assy
SPP40435-05	5/16"	Cap Only

Combo-JET Cap O-Rings

Mesh Size	Slotted	Stainless	Colour
100 mesh	-	SPP40251-00	Green
50 mesh	SPP40249-00	SPP40250-00	Blue
25 mesh	SPP40248-00	-	Yellow
16 mesh	SPP40247-00	-	Gray

RADIALOCK CAP 1/4" FPT



No.	Mfg. No.	Color
SPP40273-05	40273-05	Black
SPP40273-01	40273-01	Red

3/4" STRAIGHT HOSE BARB



Part No. SPP20547-00

RADIALOCK 45° CAP 1/4" FPT



Part No. SPP40274-B5

3/8" PUSH-IN FITTING



Part No. SPP40436-05


3/8" HB NOZZLE CAP

No.	Mfg. No.	Color
SPP40165-02	40165-02	White
SPP40165-01	40165-01	Red
SPP40165-03	40165-03	Green
SPP40165-04	40165-04	Yellow

RADIALOCK HOSE BARB CAPS

Cap Only	FKM O-ring Assy	Size
SPP40420-05	SPP40420-B5	1/8"
SPP40422-05	-	1/4"
SPP40424-05	-	3/8"


Y SPLITTER [60° FORWARD/BACK]



Spray forward and backward for high volume and fungicide spray applications

Part No. SPP40440-00


DOUBLE-DOWN ADAPTER



Splitter used to spray with two nozzles to make more effective spray quality.

Part No. SPP40441-00

GASKET FOR UNIVERSAL ROUND CAP



Part No. SPP40160-00

SQUARE LUG CAPS

No.	Mfg. No.	Color
SPP40159-01	40159-01	Red
SPP40159-02	40159-02	White
SPP40159-03	40159-03	Green
SPP40159-04	40159-04	Yellow

Call for information if part numbers are not listed (-)

Pre & Post Emerge Herbicide

Drift Reducing, Dual Air Education

Post Emerge Plant Health

Enhanced Coverage Enhanced Coverage, Air Education Twin Enhanced Coverage, Air Education



Ultra-Lo Drift™

Ideal for pre- and post-emerge application of systemic herbicides

Large air-centered droplets provide superior resistance to drift, while providing good coverage of weed foliage.



Guardian™

Good for application of post-emerge plant health protectants

The engineered spray pattern provides a medium droplet with a high droplet count for coverage and a versatile inclined spray that can be aimed alternating forward and rearward.



GuardianAir™

Ideal for on-target application of post-emerge plant health protectants

The engineered spray pattern provides an air-filled medium droplet with a high droplet count for coverage and a rearward-inclined pattern provides more uniform coverage over a wide operating pressure capability.



GuardianAir Twin™

Ideal for high-coverage application of post-emerge plant health protectants

The engineered spray pattern provides an air-filled medium droplet with a high droplet count for coverage and a twin spray rearward-inclined pattern provides more uniform coverage over a wide operating pressure capability.

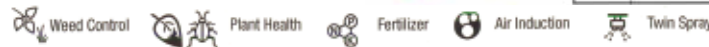
Note: Add SPP Prefix to Part Numbers



Spray Tip	Uses	Pressure Range	Part Number	Droplet Size			
				30	40	60	80
Ultra-Lo-Drift™		15-115	FC-ULD120-015	C	C	M	M
			FC-ULD120-02	C	C	C	M
			FC-ULD120-025	C	C	C	M
			FC-ULD120-03	VC	C	C	M
			FC-ULD120-04	VC	C	C	M
			FC-ULD120-05	VC	VC	C	C
			FC-ULD120-06	XC	VC	VC	C
			FC-ULD120-08	XC	VC	VC	C
GuardianAIR™ Twin		30-115	GAT110-02	C	M	M	M
			GAT110-025	VC	C	M	M
			GAT110-03	VC	C	M	M
			GAT110-04	C	M	M	M
			GAT110-05	VC	C	M	M
			GAT110-06	VC	C	M	M
			GAT110-08	VC	VC	C	M



Spray Tip	Uses	Pressure Range	Part Number	Droplet Size			
				30	40	60	80
Guardian™		15-115	GRD120-01	C	M	M	M
			GRD120-015	C	M	M	M
			GRD120-02	C	C	M	M
			GRD120-025	C	C	M	M
			GRD120-03	C	C	C	M
			GRD120-04	C	C	C	M
			GRD120-05	C	C	C	M
			GRD120-06	C	C	C	M
GuardianAIR™		15-115	FC-GA110-015	VC	C	C	M
			FC-GA110-02	VC	C	C	M
			FC-GA110-025	VC	C	C	C
			FC-GA110-03	VC	C	C	C
			FC-GA110-035	VC	C	C	C
			FC-GA110-04	VC	C	C	C
			FC-GA110-05	VC	C	C	C



PENTAIR HYPRO OC BRASS OFF-CENTER FLAT FANS 80°



The Hypro OC flat fan off-center brass spray nozzle is an economical nozzle for spraying around obstacles or defining the edge of a spray swath.

- Creates half of a broadcast pattern
- Generally positioned at the end of a boom
- Designed for use with overlapping broadcast patterns to provide precise width control

Size	No.	Mfg. No.	Droplet Size Range
04	SPP28OC04	28OC04	F-M
06	SPP28OC06	28OC06	M-C

BOOM X TENDER BOOMLESS FLAT FAN SPRAY NOZZLES



Features

Common Use	Weeds
Pattern	Boomless Fan
Technology	Pre-Orific
Material	Stainless or Polyacetal
Spray Angle	105°
Pressure Range	30 - 60 PSI
Configuration	MNPT & FastCap

- Ideal for applications where a conventional boom cannot be used due to obstacles, such as power poles, guardrails, fences, trees, etc.
- Common uses include orchard, vineyard, forestry, pasture, turf and golf course spraying, as well as maintaining rights-of-way and fence rows
- Excellent low drift option while extending spray reach
- Large droplet size reduces spray drift and promotes spray penetration
- Maintains a consistent and adjustable spray swath over a pressure range of 30-60 PSI
- FastCap® models include tip, cap and gasket for fast change out and safer handling.
- Standard models with precision molded polyacetal tip and threaded stainless steel body provide excellent durability and low maintenance
- Can be used with manual or automatic rate controllers

No.	Size
SPPXT010	1/4"
SPPXT020	1/4"
SPPXT043	3/8"
SPPXT080	1/2"
SPPXT167	3/4"
SPPXT215	3/4"
SPPFC-XT020	Fast Cap
SPPFC-XT024	Fast Cap
SPPFC-XT043	Fast Cap

PARTS KITS (MNPT VERSION)

No.	Size
SPPXT010-GIOKIT	1/4"

HYPRO LOW DRIFT FLAT SPRAY TIP



- Pre-orifice design produces larger droplets and reduces the small drift prone droplets, minimizing off-target spray contamination
- Tapered edge flat spray pattern provides uniform coverage when adjacent nozzle patterns are overlapped in broadcast spraying
- The color-coded pre-orifice is removable for any necessary cleaning operations
- Use cap SPPCP114440-*CE (CP114440-*CE)

110° Hypro LD

Size	No.	Mfg. No.
015	SPPLD015F110	LD110-015
02	SPPLD02F110	LD110-02
03	SPPLD03F110	LD110-03
04	SPPLD110-04	LD110-04

HYPRO ULTRA LO-DRIFT MAX (ULDM) NOZZLES

Size	No.	Mfg. No.	Description
03	SPPFC-ULDM130-03	FC-ULDM130-03	Nozzle Fast Cap + Tip
04	SPPFC-ULDM130-04	FC-ULDM130-04	
05	SPPFC-ULDM130-05	FC-ULDM130-05	
06	SPPFC-ULDM130-06	FC-ULDM130-06	



HYPRO ULTRA-LO DRIFT AIR INDUCTION TIP



- Creates air-filled droplets and fewer fine droplets to reduce spray drift
- Wide spray angle (120°) enables boom to be lowered to further decrease drift and deliver superior spray uniformity
- Precision molded from durable polyacetal, providing superior resistance to wear
- Small, compact size reduces the chances of accidental breakage
- MiniClean™ strainers are included on FastCap ULDs (sizes 015 – 06) and TwinCap ULD assemblies
- Available in sizes 015 - 08 (including 025), suitable for most spraying applications
- Tips fit in standard fan tip caps (Hypro CAP00 series) and Hypro TwinCap™ tip holder
- Use cap SPPCP114440-*CE (CP114440-*CE)
- Sizes 04 & 06 recommended for effective application of Duo Enlist herbicide with Colex-D Technology
- Size 04 recommended for effective application of XtendiMax Herbicide

Size	No.
015	SPPULD120-015
02	SPPULD120-02
025	SPPULD120-025
03	SPPULD120-03
04	SPPULD120-04
05	SPPULD120-05
06	SPPULD120-05
08	SPPULD120-08

Size	No.
015	SPPFC-ULD120-015
02	SPPFC-ULD120-02
025	SPPFC-ULD120-025
03	SPPFC-ULD120-03
04	SPPFC-ULD120-04
05	SPPFC-ULD120-05
06	SPPFC-ULD120-06
08	SPPFC-ULD120-08

Split gasket for ULD cap strainers - Part No. SPP1700-0255
100 Mesh Filter - Part No. SPPTS01-100
50 Mesh Filter - Part No. SPPTS01-50

The patented Ultra Lo-Drift™ dual-air induction reduces spray drift while maintaining spray coverage and droplet retention on leaves.

The MiniClean™ strainer provides optimized minimum filtration to ensure effective spraying.

The wide 120° spray angle of the Ultra Lo-Drift allows you to lower the boom and get closer to the target for better drift control.

HYPRO GUARDIAN 120° FLAT FAN SPRAY TIPS

- Delivers a more consistent droplet and spray pattern, making it versatile for more rates and speeds
- All-in-one FastCap Complete design eliminates loose tips, caps, gaskets and strainers for easier installation and safer handling
- The wide 120° pattern is inclined 20° to enhance application versatility
- Aim rearward for general spraying and to target broadleaf canopies and horizontal leaves
- Aim forward to hit vertical targets, small bladed grasses and upper canopy

Size	No.
01	SPPGRD120-01
015	SPPGRD120-015
02	SPPGRD120-02
025	SPPGRD120-025
03	SPPGRD120-03
04	SPPGRD120-04
05	SPPGRD120-05
06	SPPGRD120-06
08	SPPGRD120-08



Replacement Parts	
SPPTS02-50	50 Mesh Screen
SPPTS02-100	100 Mesh Screen
SPP2270-0150	Gasket

Tip Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing							GAL/1000 ^{ft} 20 inch nozzle spacing				
				4	5	6	8	10	12	15	20	2	3	5	
01	VF	15	0.06	4.5	3.6	3.0	2.2	1.8	1.5	1.2	0.9	0.7	0.20	0.14	0.10
		20	0.07	5.2	4.2	3.5	2.6	2.1	1.7	1.4	1.0	0.8	0.24	0.17	0.12
		30	0.09	6.2	5.0	4.2	3.1	2.7	2.2	1.8	1.4	1.1	0.31	0.20	0.15
		40	0.10	7.4	6.0	5.0	3.7	3.0	2.4	2.0	1.6	1.2	0.36	0.25	0.18
		50	0.11	8.8	7.2	6.0	4.4	3.6	2.8	2.2	1.8	1.4	0.41	0.27	0.20
015	VF	15	0.07	4.9	4.0	3.3	2.4	1.9	1.5	1.2	0.9	0.7	0.21	0.15	0.11
		20	0.08	5.6	4.5	3.7	2.8	2.3	1.8	1.4	1.1	0.8	0.24	0.17	0.12
		30	0.10	6.6	5.3	4.4	3.2	2.7	2.1	1.7	1.3	1.0	0.31	0.20	0.15
		40	0.11	7.7	6.2	5.1	3.7	3.0	2.3	1.9	1.5	1.1	0.36	0.25	0.18
		50	0.12	9.0	7.2	6.0	4.4	3.6	2.8	2.2	1.7	1.3	0.41	0.27	0.20
02	VF	15	0.08	5.3	4.3	3.6	2.7	2.1	1.6	1.3	1.0	0.8	0.22	0.16	0.12
		20	0.09	6.1	5.0	4.2	3.1	2.6	2.0	1.6	1.2	0.9	0.25	0.18	0.13
		30	0.11	7.2	5.9	4.9	3.6	3.0	2.3	1.9	1.4	1.1	0.31	0.20	0.15
		40	0.12	8.4	6.9	5.7	4.2	3.5	2.7	2.2	1.7	1.3	0.36	0.25	0.18
		50	0.13	9.7	7.9	6.6	4.8	4.0	3.1	2.5	1.9	1.4	0.41	0.27	0.20
025	VF	15	0.09	5.7	4.7	3.9	2.9	2.3	1.8	1.4	1.1	0.9	0.23	0.17	0.13
		20	0.10	6.5	5.3	4.4	3.3	2.8	2.1	1.7	1.3	1.0	0.26	0.19	0.14
		30	0.12	7.7	6.3	5.2	3.8	3.2	2.4	2.0	1.5	1.2	0.31	0.20	0.15
		40	0.13	9.0	7.4	6.2	4.5	3.8	2.9	2.3	1.8	1.4	0.36	0.25	0.18
		50	0.14	10.4	8.6	7.2	5.1	4.3	3.3	2.6	2.0	1.5	0.41	0.27	0.20
03	VF	15	0.10	6.1	5.0	4.2	3.1	2.5	1.9	1.5	1.1	0.9	0.24	0.18	0.14
		20	0.11	7.0	5.7	4.8	3.6	3.0	2.3	1.8	1.4	1.1	0.27	0.20	0.15
		30	0.13	8.2	6.7	5.6	4.1	3.4	2.6	2.0	1.5	1.2	0.31	0.20	0.15
		40	0.14	9.4	7.8	6.6	4.7	4.0	3.1	2.4	1.8	1.4	0.36	0.25	0.18
		50	0.15	10.7	8.9	7.5	5.3	4.5	3.4	2.7	2.0	1.5	0.41	0.27	0.20
04	VF	15	0.11	6.5	5.3	4.4	3.3	2.7	2.0	1.6	1.2	1.0	0.25	0.19	0.14
		20	0.12	7.4	6.1	5.1	3.8	3.2	2.4	1.9	1.4	1.1	0.28	0.20	0.15
		30	0.14	8.6	7.1	6.0	4.4	3.7	2.8	2.1	1.6	1.2	0.31	0.20	0.15
		40	0.15	9.9	8.2	6.9	5.0	4.2	3.2	2.5	1.9	1.4	0.36	0.25	0.18
		50	0.16	11.1	9.3	7.9	5.6	4.7	3.6	2.8	2.1	1.6	0.41	0.27	0.20
05	VF	15	0.12	6.9	5.7	4.8	3.6	3.0	2.3	1.8	1.4	1.1	0.26	0.20	0.15
		20	0.13	7.8	6.5	5.4	4.0	3.4	2.6	2.0	1.5	1.2	0.29	0.20	0.15
		30	0.15	9.0	7.5	6.3	4.6	3.9	3.0	2.3	1.8	1.4	0.31	0.20	0.15
		40	0.16	10.2	8.6	7.3	5.3	4.5	3.4	2.7	2.0	1.5	0.36	0.25	0.18
		50	0.17	11.4	9.7	8.2	5.9	5.0	3.8	3.0	2.3	1.8	0.41	0.27	0.20
06	VF	15	0.13	7.3	6.1	5.1	3.8	3.2	2.4	1.9	1.4	1.1	0.27	0.20	0.15
		20	0.14	8.2	6.8	5.7	4.2	3.6	2.8	2.1	1.6	1.2	0.30	0.20	0.15
		30	0.16	9.4	7.9	6.6	4.8	4.1	3.1	2.4	1.8	1.4	0.31	0.20	0.15
		40	0.17	10.6	9.0	7.6	5.5	4.7	3.6	2.8	2.1	1.6	0.36	0.25	0.18
		50	0.18	11.8	10.1	8.5	6.2	5.3	4.1	3.2	2.4	1.8	0.41	0.27	0.20
08	VF	15	0.14	7.7	6.5	5.4	4.1	3.4	2.6	2.0	1.5	1.2	0.28	0.20	0.15
		20	0.15	8.6	7.2	6.0	4.4	3.8	2.9	2.2	1.7	1.3	0.31	0.20	0.15
		30	0.17	9.8	8.2	6.9	5.0	4.3	3.3	2.5	1.9	1.4	0.31	0.20	0.15
		40	0.18	11.0	9.3	7.9	5.7	4.9	3.7	2.9	2.2	1.7	0.36	0.25	0.18
		50	0.19	12.2	10.4	8.9	6.4	5.5	4.2	3.3	2.5	1.9	0.41	0.27	0.20

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	120°
Pressure Range	15-115 PSI (1-8 BAR)
Configuration	FastCap Complete

Replacement Seal Kit
ProFlo Body

Contains all internal seals/EPDM

- Part No. SPP3430-0754

HYPRO GUARDIAN AIR TWIN 110° FLAT FAN SPRAY TIPS

- High-coverage forward and rear facing fans help penetrate complex canopies requiring more thorough coverage
- Incorporates fundamental characteristics of uniform coverage and reduced drift from the GuardianAIR tip range
- Easy to install, patent-pending locking ring and o-ring seal design makes installation a snap and sealing a sure thing
- Dust is sealed out by the locking ring to reduce contamination of the nozzle when removing it from the sprayer
- Integrated strainers are matched to the nozzle size to prevent over-straining or plugging
- Compact, break-resistant design fits on the most common nozzle bodies

Size	No.
02	SPPGAT110-02
025	SPPGAT110-025
03	SPPGAT110-03
04	SPPGAT110-04
05	SPPGAT110-05
06	SPPGAT110-06
08	SPPGAT110-08



Replacement Parts	
SPPTS02-50	50 Mesh Screen
SPPTS02-100	100 Mesh Screen
SPP65-BS205	O-ring
SPPTS01-50	50 Mesh Flanged Screen
SPPTS01-100	100 Mesh Flanged Screen
SPP1700-0255	Flanged Gasket

Tip Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000'				
				4	5	6	8	10	12	15	20	2	3	4	5	
02	C	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23	
	M	40	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27	
	M	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30	
	M	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33	
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35	
	M	80	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38	
	M	90	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41	
025	F	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44	
	M	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46	
	VC	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30	
	C	40	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34	
	M	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38	
	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42	
	M	70	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45	
03	M	80	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48	
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52	
	M	100	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55	
	M	115	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57	
	VC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35	
	C	40	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41	
	M	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46	
035	M	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50	
	M	70	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55	
	M	80	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57	
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61	
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64	
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70	
	VC	30	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41	
04	C	40	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48	
	M	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53	
	M	60	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59	
	M	70	0.46	34.2	27.3	22.8	17.1	13.7	11.4	9.1	6.8	1.57	1.05	0.78	0.63	
	M	80	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67	
	M	90	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72	
	M	100	0.55	40.8	32.7	27.2	20.4	16.3	13.6	10.9	8.2	1.88	1.25	0.94	0.75	
05	M	115	0.59	43.8	35.0	29.2	21.9	17.5	14.6	11.7	8.8	2.01	1.34	1.01	0.80	
	VC	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48	
	C	40	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55	
	M	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61	
	M	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67	
	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72	
	M	80	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78	
06	M	90	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82	
	M	100	0.63	46.8	37.4	31.2	23.4	18.7	15.6	12.5	9.4	2.15	1.43	1.07	0.86	
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93	
	VC	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59	
	C	40	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68	
	M	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76	
	M	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83	
08	M	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90	
	M	80	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97	
	M	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02	
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08	
	M	115	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16	
	VC	30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71	
	C	40	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82	
08	M	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91	
	M	60	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00	
	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08	
	M	80	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16	
	M	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23	
	M	100	0.95	70.5	56.4	47.0	35.3	28.2	23.5	18.8	14.1	3.24	2.16	1.62	1.30	
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39	

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Polyacetal
Spray Angle	110°
Pressure Range	30-115 PSI (2-8 BAR)
Configuration	FastCap Complete

PENTAIR HYPRO DEFLECTIP NOZZLES



The DeflecTip wide-angle flood fan nozzle creates a wide pattern at very low pressures while creating mainly medium and coarse droplets. It is well suited for mounting on machinery where a wide angle or a low spray height is desired and on sprayers using very low pressures, including manual sprayers.

- Medium to coarse spray is suited for a variety of applications
- Larger sizes are suitable for liquid fertilizer applications
- Large circular orifice reduces the chances of blocking
- For use of single nozzles with knapsack/backpack sprayers

No.	Nozzle Size/ Droplet Size
SPP30DT0.75	0.75/ F-XC
SPP30DT1.0	1.0/F-C
SPP30DT1.5	1.5/F-VC
SPP30DT2.5	2.5/F-C
SPP30DT3.0	3.0/M-C
SPP30DT4.0	4.0/F-M



- Inclined spray is designed to be installed alternating forward and backward on boom to provide 3-dimensional coverage on vertical targets such as grass weeds, soil clods and broad leaved canopies
- PWM compatible; Install 3D nozzles facing the same direction when using with PWM systems at less than 30Hz
- FastCap version utilizes the SnapLock cap technology, reducing installation torque requirement by 73%
- 100° Spray angle
- 10-90 PSI

FASTCAPS

No.	Size
SPPFC-3D100-015	015
SPPFC-3D100-02	02
SPPFC-3D100-025	025
SPPFC-3D100-03	03
SPPFC-3D100-035	035
SPPFC-3D100-04	04
SPPFC-3D100-05	05
SPPFC-3D100-06	06
SPPFC-3D100-08	08

TIPS

No.	Size
SPP3D100-015	015
SPP3D100-02	02
SPP3D100-025	025
SPP3D100-03	03
SPP3D100-035	035
SPP3D100-04	04
SPP3D100-05	05
SPP3D100-06	06
SPP3D100-08	08

Nozzle Size	Droplet Size	Pressure (PSI)	Flow (GPM)	Speed (MPH) - 20 inch nozzle spacing										
				Gallons per Acre										
				5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
015	C	10*	0.08	4.5	3.0	2.2	1.8	1.5	1.3	1.1	1.0	0.9	0.8	0.7
	M	15*	0.09	5.5	3.6	2.7	2.2	1.8	1.6	1.4	1.2	1.1	1.0	0.9
	M	20	0.11	6.3	4.2	3.2	2.5	2.1	1.8	1.6	1.4	1.3	1.1	1.1
	F	30	0.13	7.7	5.1	3.9	3.1	2.6	2.2	1.9	1.7	1.5	1.4	1.3
	F	40	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	F	50	0.17	10.0	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8	1.7
	F	60	0.18	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8
	F	70	0.20	11.8	7.9	5.9	4.7	3.9	3.4	2.9	2.6	2.4	2.1	2.0
	F	80	0.21	12.4	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1
F	90	0.23	13.2	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4	2.2	
02	M	10*	0.10	5.9	4.0	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1	1.0
	M	15*	0.12	7.3	4.8	3.6	2.9	2.4	2.1	1.8	1.6	1.5	1.3	1.2
	M	20	0.14	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5	1.4
	M	30	0.17	10.3	6.9	5.1	4.1	3.4	2.9	2.6	2.3	2.1	1.9	1.7
	M	40	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	M	50	0.22	13.3	8.9	6.6	5.3	4.4	3.8	3.3	3.0	2.7	2.4	2.2
	M	60	0.24	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4
	M	70	0.26	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	2.9	2.6
	M	80	0.28	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8
M	90	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0	
025	C	10*	0.13	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4	1.2
	M	15*	0.15	9.1	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8	1.7	1.5
	M	20	0.18	10.5	7.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.8
	M	30	0.22	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3	2.1
	M	40	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	M	50	0.28	16.6	11.1	8.3	6.6	5.5	4.7	4.2	3.7	3.3	3.0	2.8
	M	60	0.31	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0
	M	70	0.33	19.6	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	3.6	3.3
	M	80	0.35	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5
M	90	0.38	22.3	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7	
03	VC	10*	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	C	15*	0.18	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8
	M	20	0.21	12.4	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	M	30	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	M	40	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	M	50	0.34	19.9	13.3	10.0	8.0	6.6	5.7	5.0	4.4	4.0	3.6	3.3
	M	60	0.37	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6
	M	70	0.40	23.6	15.7	11.8	9.4	7.9	6.7	5.9	5.2	4.7	4.3	3.9
	M	80	0.42	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2
M	90	0.45	26.7	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.8	4.5	
35	VC	10*	0.18	10.4	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.7
	C	15*	0.21	12.7	8.5	6.4	5.1	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	C	20	0.26	14.7	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9	2.7	2.5
	M	30	0.30	18.0	12.0	9.0	7.2	6.0	5.1	4.5	4.0	3.6	3.3	3.0
	M	40	0.35	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5
	M	50	0.39	23.2	15.5	11.6	9.3	7.7	6.6	5.8	5.2	4.6	4.2	3.9
	M	60	0.43	25.5	17.0	12.7	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.2
	M	70	0.46	27.5	18.3	13.8	11.0	9.2	7.9	6.9	6.1	5.5	5.0	4.6
	M	80	0.49	29.4	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	5.3	4.9
M	90	0.53	-	20.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.7	5.2	
04	XC	10*	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	VC	15*	0.24	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4
	C	20	0.28	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8
	M	30	0.35	20.6	13.7	10.3	8.2	6.9	5.9	5.1	4.6	4.1	3.7	3.4
	M	40	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	M	50	0.45	26.6	17.7	13.3	10.6	8.9	7.6	6.6	5.9	5.3	4.8	4.4
	M	60	0.49	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8
	M	70	0.53	-	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2
	M	80	0.57	-	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6
M	90	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	
05	XC	10*	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	VC	15*	0.31	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0
	C	20	0.35	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5
	C	30	0.43	25.7	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3
	M	40	0.50	29.7	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0
	M	50	0.56	-	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5
	M	60	0.61	-	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1
	M	70	0.66	-	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9	7.1	6.5
	M	80	0.71	-	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0
M	90	0.76	-	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4	
06	XC	10*	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	VC	15*	0.37	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6
	C	20	0.42	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2
	C	30	0.52	-	20.6	15.4	12.3	10.3	8.8	7.7	6.9	6.2	5.6	5.1
	M	40	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	M	50	0.67	-	26.6	19.9	15.9	13.3	11.4	10.0	8.9	8.0	7.2	6.6
	M	60	0.73	-	29.1	21.8	17.5	14.5	12.5	10.9	9.7	8.7	7.9	7.3
	M	70	0.79	-	-	23.6	18.9	15.7	13.5	11.8	10.5	9.4	8.6	7.9
	M	80	0.85	-	-	25.6	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4
M	90	0.90	-	-	26.7	21.4	17.8	15.3	13.4	11.9	10.7	9.7	8.9	
08	XC	10*	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	VC	15*	0.49	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8
	C	20	0.57	-	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6
	C	30	0.69	-	27.4	20.6	16.5	13.7	11.8	10.3	9.1	8.2	7.5	6.9
	M	40	0.80	-	-	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9
	M	50	0.89	-	-	26.6	21.3	17.7	15.2	13.3	11.8	10.6	9.7	8.9
	M	60	0.98	-	-	29.1	23.3	19.4	16.6	14.5	12.9	11.6	10.6	9.7
	M	70	1.06	-	-	25.1	21.0	18.0	15.7	14.0	12.6	11.4	10.5	9.7
	M	80	1.13	-	-	26.9	22.4	19.2	16.8	14.9	13.4	12.2	11.2	10.3
M	90	1.20	-	-	28.5	23.8	20.4	17.8	15.8	14.3	13.0	11.9	11.0	

Droplet size based on ASABE S572.1 standard.
 *For pressures lower than 15 PSI, nozzle spray angle may be reduced and will require a boom height of 30in to maintain spray distribution.

Features	
Common Use	Weed control, plant health
Pattern	Alternating Tapered Flat Fans
Technology	Advanced Tapered Flat Fan
Material	Polyacetal
Spray Angle	100°
Pressure Range	10-90 PSI (0.7-6 BAR)
Configuration	Tips, SnapLock








SPRAY TIPS



Broadcast Application Guidelines*

*For Banding Applications use the TurboDrop® Venturi with an even spray or Greenleaf's Quick Hollow Cone Spray Nozzle, or AMHC AirMix® Hollowcone.

Nozzle	Herbicides				Fungicides		Insecticides		Liquid Fertilizer		Growth Regulators	Desiccants/Defoliants
	Soil Incorporated	Pre-Emerge	Post-Emerge		Contact	Systemic	Contact	Systemic	Foliar	Soil Incorporated		
			Contact	Systemic								
High Pressure TurboDrop® 	Excellent	Excellent	Excellent	Excellent Higher Pressures (80-150 psi)	Excellent	Excellent Higher Pressures (80-150 psi)	Excellent	Excellent	Excellent Lower Pressures (30-45 psi)	Excellent	Excellent	Excellent Higher Pressures (80-150 psi)
	Extremely Coarse	Very Coarse	Coarse	Medium	Coarse	Medium	Medium	Coarse	Extremely Coarse	Very Coarse	Excellent	Excellent
	Very Coarse	Coarse	Coarse	Fine	Medium	Medium	Fine	Medium	Very Coarse	Very Coarse	Excellent	Excellent
Medium Pressure XL 	Excellent	Excellent	Excellent	Excellent Medium Pressures (60-120 psi)	Excellent	Excellent Medium Pressures (60-120 psi)	Excellent	Excellent	Excellent Lower Pressures (15-30 psi)	Excellent	Excellent	Excellent Medium Pressures (60-120 psi)
	Extremely Coarse	Very Coarse	Coarse	Medium	Coarse	Medium	Medium	Coarse	Extremely Coarse	Very Coarse	Excellent	Excellent
	Very Coarse	Coarse	Coarse	Fine	Medium	Medium	Fine	Medium	Very Coarse	Very Coarse	Excellent	Excellent
Medium Pressure 	Excellent	Excellent	Excellent	Excellent Medium Pressures (60-120 psi)	Excellent	Excellent Medium Pressures (60-120 psi)	Excellent	Excellent	Excellent Lower Pressures (15-30 psi)	Excellent	Excellent	Excellent (40-90 psi)
	Extremely Coarse	Very Coarse	Coarse	Medium	Coarse	Medium	Medium	Coarse	Extremely Coarse	Very Coarse	Excellent	Excellent
	Very Coarse	Coarse	Coarse	Fine	Medium	Medium	Fine	Medium	Very Coarse	Very Coarse	Excellent	Excellent
Low Pressure AM 	Excellent	Excellent	Excellent	Excellent (40-90 psi)	Excellent	Excellent (40-90 psi)	Excellent	Excellent	Good (15-20 psi)	Excellent	Excellent	Excellent (40-90 psi)
	Extremely Coarse	Very Coarse	Coarse	Medium	Coarse	Medium	Medium	Coarse	Extremely Coarse	Very Coarse	Excellent	Excellent
	Very Coarse	Coarse	Coarse	Fine	Medium	Medium	Fine	Medium	Very Coarse	Very Coarse	Excellent	Excellent
SprayMax™ 	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Good	Good	Good (15-20 psi)	Excellent	Excellent	Good (20-40 psi)
	Extremely Coarse	Very Coarse	Coarse	Medium	Coarse	Medium	Medium	Good	Extremely Coarse	Very Coarse	Excellent	Good
	Very Coarse	Coarse	Coarse	Fine	Medium	Medium	Fine	Good	Very Coarse	Very Coarse	Excellent	Good

Operating Pressure The suggested *optimal pressure range* has been found to provide the best combination of drift control and coverage. When conditions favor drift, reduced pressure is suggested while staying within the pressure range. Targeting 60 psi with the TurboDrop® XL and 40 psi with the AirMix® AM when selecting nozzle size will allow for greater changes in speed and pressure while operating within the optimal pressure range. Higher pressures are recommended for spraying contact pesticides and for penetrating dense crop canopies.

Venturi/Tip Combinations A wide variety of exit tips may be used with the TurboDrop® Venturi to produce different spray patterns. The pattern tip must be double the size of the Venturi, which controls the flow rate. For example, an 03 Venturi (TDXLX03) can be used with most 06 rated (0.6 gpm @ 40 psi) pattern tips, including twin spray, off center, event flat fan, flood, hollowcone, etc. Using conventional tips with the TurboDrop® Venturi will dramatically reduce drift and extend the pressure range. Using pattern tips with an angle less than 110° or in a size larger than double the size of the Venturi may require the use of a DIF4 diffuser and a Greenleaf cap. Some combinations may require higher minimum operating pressures.

Boom Height Minimum boom height should be equal to nozzle spacing. For example, if nozzle spacing is 20", minimum boom height should be 20". At lower pressures, the spray angle of the exit tip may narrow by 10-15%. Necessary adjustments to boom height should be made to obtain minimum 50% overlap.

Never use FirstPick (or any other strong acid) with standard TurboDrop® or AirMix® nozzles. Acid resistant polypropylene AirMix® AMQC nozzles are recommended for acid applications. Drift control adjuvants may alter the spray pattern of drift control nozzles. Always test any adjuvant that you plan to use.

AM	15-90psi	AMHC	15-90psi	AMOC	15-90psi	TDXL	20-120psi	TDCFFC	30-150psi
Total Pressure Range:	20-60psi	AMHC	40-90psi	AMOC	20-60psi	AMHC	40-90psi	AMOC	40-120psi
Contact Chemicals:	40-90psi	AMHC	40-90psi	AMOC	40-90psi	AMHC	40-90psi	AMOC	40-150psi

SoftDrop Nozzles for PWM Systems

The SoftDrop nozzle is a non-air inducted spray nozzle designed to produce extremely coarse droplets for maximum drift control with auxin herbicides and other systemic products. The SoftDrop is particularly well-suited for PWM or blended pulse systems, operating between 10 and 50 Hertz. A specially designed turbulence chamber helps deliver a drift resistant spray pattern, with very good cross distribution. The SoftDrop is also excellent for liquid fertilizers and mixtures of liquid fertilizers and herbicides.

Pressure Range: 20-120 psi **Suggested Spray Height:** 18" - 36" (on 20" spacing)

Materials of Construction: Polyacetyl, EPDM

	Liquid Pressure PSI	Droplet Size ASABE	Nozzle Capacity GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	14 MPH	15 MPH	16 MPH	17 MPH	18 MPH	20 MPH	
 (uses 50 mesh)	20		0.28	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.3	4.9	4.7	4.2	
	30		0.35	25.7	20.6	17.1	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.3	6.9	6.4	6.1	5.7	5.1	
	40		0.40	29.7	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0	6.6	5.9	
	50		0.45	33.2	26.8	22.1	19.0	16.6	14.8	13.3	12.1	11.1	10.2	9.5	8.9	8.3	7.8	7.4	6.6	
	60		0.49	36.4	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	10.4	9.7	9.1	8.6	8.1	7.3	
	70		0.53	39.3	31.4	26.2	22.5	19.6	17.5	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.2	8.7	7.9	
	80		0.57	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4	
	90		0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9	
	100		0.63	47.0	37.6	31.3	26.8	23.5	20.9	18.8	17.1	15.7	14.4	13.4	12.5	11.7	11.0	10.4	9.4	
	120		0.69	51.4	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3	
 (uses 50 mesh)	20		0.35	26.3	21.0	17.5	15.0	13.1	11.7	10.5	9.5	8.6	8.1	7.5	7.0	6.6	6.2	5.8	5.3	
	30		0.43	32.2	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6	8.0	7.6	7.1	6.4	
	40		0.50	37.1	29.7	24.8	21.2	18.6	16.5	14.9	13.5	12.4	11.4	10.6	9.9	9.3	8.7	8.3	7.4	
	50		0.56	41.5	33.2	27.7	23.7	20.8	18.4	16.6	15.1	13.8	12.8	11.9	11.1	10.4	9.8	9.2	8.3	
	60		0.61	45.5	36.4	30.3	26.0	22.7	20.2	18.2	16.5	15.2	14.0	13.0	12.1	11.4	10.7	10.1	9.1	
	70		0.66	49.1	39.3	32.7	28.1	24.6	21.8	19.6	17.9	16.4	15.1	14.0	13.1	12.3	11.6	10.9	9.8	
	80		0.71	52.5	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	10.5	
	90		0.75	55.7	44.6	37.1	31.8	27.8	24.8	22.3	20.3	18.6	17.1	15.9	14.9	13.9	13.1	12.4	11.1	
	100		0.79	58.7	47.0	39.1	33.5	29.3	26.1	23.5	21.3	19.6	18.1	16.8	15.7	14.7	13.8	13.0	11.7	
	120		0.87	64.3	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	12.9	
 (uses 24 mesh)	20		0.42	31.5	25.2	21.0	18.0	15.8	14.0	12.6	11.5	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.3	
	30		0.52	38.6	30.9	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7	
	40		0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9	
	50		0.67	49.8	39.8	33.2	28.5	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.5	11.7	11.1	10.0	
	60		0.73	54.6	43.6	36.4	31.2	27.3	24.2	21.8	19.8	18.2	16.8	15.6	14.5	13.6	12.8	12.1	10.9	
	70		0.79	58.9	47.1	39.3	33.7	29.5	26.2	23.6	21.4	19.6	18.1	16.8	15.7	14.7	13.9	13.1	11.8	
	80		0.85	63.0	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4	18.0	16.8	15.8	14.8	14.0	12.6	
	90		0.90	66.8	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	17.8	16.7	15.7	14.9	13.4	
	100		0.95	70.4	56.4	47.0	40.3	35.2	31.3	28.2	25.6	23.5	21.7	20.1	18.8	17.6	16.6	15.7	14.1	
	120		1.04	77.2	61.7	51.4	44.1	38.6	34.3	30.9	28.1	25.7	23.7	22.0	20.6	19.3	18.2	17.1	15.4	
 (uses 24 mesh)	20		0.57	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4	
	30		0.69	51.4	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3	
	40		0.80	59.4	47.5	39.6	33.9	29.7	26.4	23.8	21.6	19.8	18.3	17.0	15.8	14.9	14.0	13.2	11.9	
	50		0.89	66.4	53.1	44.3	37.9	33.2	29.5	26.6	24.1	22.1	20.4	19.0	17.7	16.6	15.6	14.8	13.3	
	60		0.98	72.7	58.2	48.5	41.6	36.4	32.3	29.1	26.5	24.2	22.4	20.8	19.4	18.2	17.1	16.2	14.5	
	70		1.06	78.6	62.9	52.4	44.9	39.3	34.9	31.4	28.6	26.2	24.2	22.5	21.0	19.6	18.5	17.5	15.7	
	80		1.13	84.0	67.2	56.0	48.0	42.0	37.3	33.6	30.5	28.0	25.8	24.0	22.4	21.0	19.8	18.7	16.8	
	90		1.20	89.1	71.3	59.4	50.9	44.6	39.6	35.8	32.4	29.7	27.4	25.5	23.8	22.3	21.0	19.8	17.8	
	100		1.26	93.9	75.1	62.6	53.7	47.0	41.7	37.6	34.2	31.3	28.9	26.8	25.0	23.5	22.1	20.9	18.8	
	120		1.39	102.9	82.3	68.6	58.8	51.4	45.7	41.2	37.4	34.3	31.7	29.4	27.4	25.7	24.2	22.9	20.6	
 (uses 24 mesh)	20		0.71	52.5	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	10.5	
	30		0.87	64.3	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	12.9	
	40		1.00	74.3	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.8	22.8	21.2	19.8	18.8	17.5	16.5	14.9	
	50		1.12	83.0	66.4	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.8	19.5	18.4	16.6	
	60		1.22	90.9	72.7	60.6	52.0	45.5	40.4	36.4	33.1	30.3	28.0	26.0	24.2	22.7	21.4	20.2	18.2	
	70		1.32	98.2	78.6	65.5	56.1	49.1	43.7	39.3	35.7	32.7	30.2	28.1	26.2	24.6	23.1	21.8	19.6	
	80		1.41	105.0	84.0	70.0	60.0	52.5	46.7	42.0	38.2	35.0	32.3	30.0	28.0	26.3	24.7	23.3	21.0	
	90		1.50	111.4	89.1	74.3	63.6	55.7	49.5	44.6	40.5	37.1	34.3	31.8	29.7	27.8	26.2	24.8	22.3	
	100		1.58	117.4	93.9	78.3	67.1	58.7	52.2	47.0	42.7	39.1	36.1	33.5	31.3	29.3	27.6	26.1	23.5	
	120		1.73	128.6	102.9	85.7	73.5	64.3	57.2	51.4	46.8	42.9	39.6	36.7	34.3	32.2	30.3	28.6	25.7	

SPRAY TIPS

LOW PRESSURE AIRMIX 110° FLAT FAN TIP



- Low cost economical solution for drift control
- Easy maintenance with no tools required for servicing
- Fits standard nozzle caps
- Reduces drift by 50 - 80%
- Operates at lower pressures
- Fits standard caps and can be used on all types of sprayers.
- Unique patented air cleaning system prevents air hole clogging
- Less coarse than other air injection nozzles for better coverage at standard pressures
- Use cap SPPCP114440-*CE (CP114440-*CE)



Size	No.
01	SPPAM11001
015	SPPAM110015
02	SPPAM11002
025	SPPAM110025
03	SPPAM11003
04	SPPAM11004
05	SPPAM11005
06	SPPAM11006

NOZZLE PART # (Strainer Size)	LIQUID PRESSURE PSI	DROPLET SIZE ASAE	NOZZLE CAPACITY GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING										
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	
AM11001 (use 50 mesh)	15	C	0.06	4.5	3.6	3.0	2.3	1.8	1.5	1.3	1.1	1.0	0.9	
	20	C	0.07	5.2	4.2	3.5	2.6	2.1	1.7	1.5	1.3	1.2	1.0	
	30	M	0.09	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3	
	40	M	0.10	7.4	5.9	4.9	3.7	3.0	2.5	2.1	1.9	1.6	1.5	
	50	F	0.11	8.3	6.6	5.5	4.1	3.3	2.8	2.4	2.1	1.8	1.7	
	60	F	0.12	9.1	7.3	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8	
	70	F	0.13	9.8	7.9	6.5	4.9	3.9	3.3	2.8	2.5	2.2	2.0	
	80	F	0.14	10.5	8.4	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
	90	F	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
AM110015 (use 50 mesh)	15	C	0.09	6.8	5.5	4.5	3.4	2.7	2.3	1.9	1.7	1.5	1.4	
	20	C	0.11	7.9	6.3	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6	
	30	M	0.13	9.6	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9	
	40	M	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
	50	F	0.17	12.4	10.0	8.3	6.2	5.0	4.1	3.6	3.1	2.8	2.5	
	60	F	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.9	3.4	3.0	2.7	
	70	F	0.20	14.7	11.8	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9	
	80	F	0.21	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	
	90	F	0.22	16.7	13.4	11.1	8.3	6.7	5.6	4.8	4.2	3.7	3.3	
AM11002 (use 50 mesh)	15	C	0.12	9.1	7.3	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8	
	20	C	0.14	10.5	8.4	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
	30	C	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	
	40	M	0.20	14.8	11.9	9.9	7.4	5.9	4.9	4.2	3.7	3.3	3.0	
	50	M	0.22	16.6	13.3	11.1	8.3	6.6	5.5	4.7	4.1	3.7	3.3	
	60	F	0.24	18.2	14.5	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	
	70	F	0.26	19.6	15.7	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	
	80	F	0.28	21.0	16.8	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2	
	90	F	0.30	22.3	17.8	14.8	11.1	8.9	7.4	6.4	5.6	4.9	4.5	
AM110025 (use 50 mesh)	15	VC	0.15	11.4	9.1	7.6	5.7	4.5	3.8	3.2	2.8	2.5	2.3	
	20	C	0.18	13.1	10.5	8.7	6.6	5.2	4.4	3.7	3.3	2.9	2.6	
	30	C	0.22	16.1	12.9	10.7	8.0	6.4	5.4	4.6	4.0	3.6	3.2	
	40	C	0.25	18.5	14.8	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7	
	50	M	0.28	20.7	16.6	13.8	10.4	8.3	6.9	5.9	5.2	4.6	4.1	
	60	M	0.31	22.7	18.2	15.1	11.4	9.1	7.6	6.5	5.7	5.0	4.5	
	70	M	0.33	24.5	19.6	16.4	12.3	9.8	8.2	7.0	6.1	5.5	4.9	
	80	M	0.35	26.2	21.0	17.5	13.1	10.5	8.7	7.5	6.6	5.8	5.2	
	90	F	0.37	27.8	22.3	18.5	13.9	11.1	9.3	7.9	7.0	6.2	5.6	
AM11003 (use 50 mesh)	15	XC	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.9	3.4	3.0	2.7	
	20	VC	0.21	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	
	30	VC	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.5	4.8	4.3	3.9	
	40	C	0.30	22.3	17.8	14.8	11.1	8.9	7.4	6.4	5.6	4.9	4.5	
	50	C	0.34	24.9	19.9	16.6	12.4	10.0	8.3	7.1	6.2	5.5	5.0	
	60	M	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.5	
	70	M	0.40	29.4	23.6	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	
	80	M	0.42	31.5	25.2	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	
	90	M	0.45	33.4	26.7	22.3	16.7	13.4	11.1	9.5	8.3	7.4	6.7	
AM11004 (use 24 mesh)	15	XC	0.24	18.2	14.5	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	
	20	VC	0.28	21.0	16.8	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2	
	30	VC	0.35	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	
	40	C	0.40	29.7	23.7	19.8	14.8	11.9	9.9	8.5	7.4	6.6	5.9	
	50	C	0.45	33.2	26.5	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6	
	60	M	0.49	36.3	29.1	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	
	70	M	0.53	39.3	31.4	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9	
	80	M	0.57	42.0	33.6	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	
	90	M	0.60	44.5	35.6	29.7	22.3	17.8	14.8	12.7	11.1	9.9	8.9	
AM11005 (use 24 mesh)	15	XC	0.31	22.7	18.2	15.2	11.4	9.1	7.8	6.5	5.7	5.1	4.5	
	20	XC	0.35	26.3	21.0	17.5	13.1	10.5	8.8	7.5	6.6	5.8	5.3	
	30	VC	0.43	32.2	25.7	21.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4	
	40	C	0.50	37.1	29.7	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4	
	50	C	0.56	41.5	33.2	27.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3	
	60	M	0.61	45.5	36.4	30.3	22.7	18.2	15.2	13.0	11.4	10.1	9.1	
	70	M	0.66	49.1	39.3	32.8	24.6	19.7	16.4	14.0	12.3	10.9	9.8	
	80	M	0.71	52.5	42.0	35.0	26.3	21.0	17.5	15.0	13.1	11.7	10.5	
	90	M	0.75	55.7	44.6	37.1	27.9	22.3	18.6	15.9	13.9	12.4	11.1	
AM11006 (use 24 mesh)	15	XC	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.5	
	20	XC	0.42	31.5	25.2	21.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3	
	30	VC	0.52	38.6	30.9	25.7	19.3	15.4	12.9	11.0	9.6	8.6	7.7	
	40	C	0.60	44.6	35.7	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	
	50	C	0.67	49.8	39.9	33.2	24.9	19.9	16.6	14.2	12.5	11.1	10.0	
	60	C	0.74	54.6	43.7	36.4	27.3	21.8	18.2	15.6	13.6	12.1	10.9	
	70	M	0.79	59.0	47.2	39.3	29.5	23.6	19.7	16.8	14.7	13.1	11.8	
	80	M	0.85	63.0	50.4	42.0	31.5	25.2	21.0	18.0	15.8	14.0	12.6	
	90	M	0.90	66.8	53.5	44.6	33.4	26.7	22.3	19.1	16.7	14.9	13.4	

* Table based on spraying water at 70°F. Flow rates may vary +/- 5%.

AMDF DUAL AIRMIX

- AMDF Dual AirMix® Venturi Nozzle, Dual Asymmetric 110° Flat Fan
- 20-60 psi Optimal Pressure Range
- Two Air Mix nozzles in DualFan Cap for increased backside coverage. Polyacetal construction. No tools required for disassembling.

No.	Description
SPPAMDF08	Air Mix Dual Fan 08

IDK - COMPACT AIR INDUCTION SPRAY TIPS

- Very Low Drift potential
- Very coarse to medium Droplets
- Best Performance Range 25-90 psi; 15-90 psi for size 05; 30-290 psi for orchard/vineyard



No.	Size
SPPIDK110-01	01
SPPIDK110-015	015
SPPIDK110-02	02
SPPIDK110-025	025
SPPIDK110-03	03
SPPIDK110-04	04
SPPIDK110-05	05

SPRAY TIPS

MEDIUM PRESSURE TURBODROP XL 110° NOZZLE



- Superior drift control & excellent coverage
- Wide pressure range from 20-120 PSI
- Comes apart by hand for easy clean up (no tools required)
- Round metering orifice for reduced clogging
- Interchangeable tip / cap
- Wide pressure range allows greatest speed variations
- Sizes 03, 04 & 06 recommended for effective application of Duo Enlist herbicide with Colex-D Technology

Size	No.
01	SPPTDXL11001
02	SPPTDXL11002
03	SPPTDXL11003
04	SPPTDXL110-04
04	SPPTDXL11004-D
05	SPPTDXL11005
06	SPPTDXL11006
10	SPPTDXL11010-D
015	SPPTDXL110015
025	SPPTDXL110025

Size	No.
015	SPPTDCXL110015
03	SPPTDCXL11003

COMPLETE NOZZLE # <i>(strainer size)</i>	LIQUID PRESSURE PSI	ASAE DROPLET SIZE	NOZZLE CAPACITY GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING*									
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
TDXL11001 <i>(use 50 mesh)</i>	30	C	0.09	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3
	40	C	0.10	7.4	5.9	4.9	3.7	3.0	2.5	2.1	1.9	1.6	1.5
	50	M	0.11	8.3	6.6	5.5	4.1	3.3	2.8	2.4	2.1	1.8	1.7
	60	M	0.12	9.1	7.3	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8
	70	M	0.13	9.8	7.9	6.5	4.9	3.9	3.3	2.8	2.5	2.2	2.0
	80	F	0.14	10.5	8.4	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1
TDXL110015 <i>(use 50 mesh)</i>	100	F	0.16	11.7	9.4	7.8	5.9	4.7	3.9	3.4	2.9	2.6	2.3
	120	F	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6
	30	C	0.13	9.6	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	40	C	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	M	0.17	12.4	10.0	8.3	6.2	5.0	4.1	3.6	3.1	2.8	2.5
	60	M	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.9	3.4	3.0	2.7
TDXL11002 <i>(use 50 mesh)</i>	70	M	0.20	14.7	11.8	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9
	80	M	0.21	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1
	100	F	0.24	17.6	14.1	11.7	8.8	7.0	5.9	5.0	4.4	3.9	3.5
	120	F	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.5	4.8	4.3	3.9
	30	C	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6
	40	C	0.20	14.8	11.9	9.9	7.4	5.9	4.9	4.2	3.7	3.3	3.0
TDXL110025 <i>(use 50 mesh)</i>	50	M	0.22	16.6	13.3	11.1	8.3	6.6	5.5	4.7	4.1	3.7	3.3
	60	M	0.24	18.2	14.5	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6
	70	M	0.26	19.6	15.7	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9
	80	M	0.28	21.0	16.8	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2
	100	F	0.32	23.5	18.8	15.6	11.7	9.4	7.8	6.7	5.9	5.2	4.7
	120	F	0.35	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1
TDXL11003 <i>(use 50 mesh)</i>	30	VC	0.22	16.1	12.9	10.7	8.0	6.4	5.4	4.6	4.0	3.6	3.2
	40	C	0.25	18.5	14.8	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7
	50	C	0.28	20.7	16.6	13.8	10.4	8.3	6.9	5.9	5.2	4.6	4.1
	60	M	0.31	22.7	18.2	15.1	11.4	9.1	7.6	6.5	5.7	5.0	4.5
	70	M	0.33	24.5	19.6	16.4	12.3	9.8	8.2	7.0	6.1	5.5	4.9
	80	M	0.35	26.2	21.0	17.5	13.1	10.5	8.7	7.5	6.6	5.8	5.2
TDXL11004 <i>(use 24 mesh)</i>	100	M	0.40	29.3	23.5	19.6	14.7	11.7	9.8	8.4	7.3	6.5	5.9
	120	F	0.45	32.1	25.7	21.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4
	30	C	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.5	4.8	4.3	3.9
	40	C	0.30	22.3	17.8	14.8	11.1	8.9	7.4	6.4	5.6	4.9	4.5
	50	C	0.34	24.9	19.9	16.6	12.4	10.0	8.3	7.1	6.2	5.5	5.0
	60	C	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.5
TDXL11005 <i>(use 24 mesh)</i>	70	M	0.40	29.4	23.6	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9
	80	M	0.42	31.5	25.2	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3
	100	M	0.47	35.2	28.2	23.5	17.6	14.1	11.7	10.1	8.8	7.8	7.0
	120	M	0.52	38.6	30.8	25.7	19.3	15.4	12.9	11.0	9.6	8.6	7.7
	30	XC	0.35	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1
	40	XC	0.40	29.7	23.7	19.8	14.8	11.9	9.9	8.5	7.4	6.6	5.9
TDXL11006 <i>(use 24 mesh)</i>	50	C	0.45	33.2	26.5	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6
	60	C	0.49	36.3	29.3	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3
	70	M	0.53	39.3	31.4	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9
	80	M	0.57	42.0	33.6	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4
	100	M	0.63	46.9	37.5	31.3	23.5	18.8	15.6	13.4	11.7	10.4	9.4
	120	M	0.69	51.4	41.1	34.3	25.7	20.6	17.1	14.7	12.9	11.4	10.3
TDXL11008	30	XC	0.43	32.2	25.7	21.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4
	40	XC	0.50	37.1	29.7	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	VC	0.56	41.5	33.2	27.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3
	60	VC	0.61	45.5	36.4	30.3	22.7	18.2	15.2	13.0	11.4	10.1	9.1
	70	C	0.66	49.1	39.3	32.8	24.6	19.7	16.4	14.0	12.3	10.9	9.8
	80	C	0.71	52.5	42.0	35.0	26.3	21.0	17.5	15.0	13.1	11.7	10.5
TDXL11010	100	M	0.79	58.7	47.0	39.2	29.4	23.5	19.6	16.8	14.7	13.1	11.7
	120	M	0.87	64.3	51.5	42.9	32.2	25.7	21.4	18.4	16.1	14.3	12.9
	30	XC	0.32	38.6	30.9	25.7	19.3	15.4	12.9	11.0	9.6	8.6	7.7
	40	XC	0.40	44.6	35.7	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9
	50	XC	0.47	49.8	39.9	33.2	24.9	19.9	16.6	14.2	12.5	11.1	10.0
	60	VC	0.74	54.6	43.7	36.4	27.3	21.8	18.2	15.6	13.6	12.1	10.9

SPRAY TIPS

BLENDED PULSE™ DUALFAN NOZZLES FOR PWM SYSTEMS

The dual patterns of the Blended Pulse™ DualFan eliminate any concern about missing the target due to the nozzles being off for a fraction of a second (even at higher speeds). To maximize coverage, BPDF nozzles may be alternated on the boom to provide four angles of spray orientation into the canopy, effectively spraying the target four times in one pass.

We recommend keeping the duty cycle between 50 and 100%, and the pressure between 20 and 80 psi, depending on the application.



Size	No.
04	SPPBPDF04
05	SPPBPDF05
06	SPPBPDF06
07	SPPBPDF07
08	SPPBPDF08
10	SPPBPDF10
12	SPPBPDF12

- Pressure Range: 20-80 psi
- Recommended Boom Height BP: 18-36"
- BPDF: 15-25" (with 20" nozzle spacing)
- Materials of Construction: Polyacetal, EPDM

GALLONS PER ACRE BASED ON 20" NOZZLE SPACING

Nozzle	Droplet	PSI	GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																			
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	14 MPH	15 MPH	16 MPH	17 MPH	18 MPH	19 MPH	20 MPH			
	VC	20	0.42	31.5	25.2	21.0	18.0	15.8	14.0	12.6	11.5	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.6	6.3			
	VC	30	0.52	38.6	30.9	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	8.1	7.7			
	C	40	0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	9.4	8.9			
	C	50	0.67	49.8	39.8	33.2	28.5	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.5	11.7	11.1	10.5	10.0			
	M	60	0.73	54.6	43.6	36.4	31.2	27.3	24.2	21.8	19.8	18.2	16.8	15.6	14.5	13.6	12.8	12.1	11.5	10.9			
	M	70	0.79	58.9	47.1	39.3	33.7	29.5	26.2	23.6	21.4	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8			
	VC	20	0.49	36.8	29.4	24.5	21.0	18.4	16.3	14.7	13.4	12.3	11.3	10.5	9.8	9.2	8.6	8.2	7.7	7.4			
	VC	30	0.61	45.0	36.0	30.0	25.7	22.5	20.0	18.0	16.4	15.0	13.8	12.9	12.0	11.3	10.6	10.0	9.5	9.0			
	C	40	0.70	52.0	41.6	34.7	29.7	26.0	23.1	20.8	18.9	17.3	16.0	14.9	13.9	13.0	12.2	11.6	10.9	10.4			
	C	50	0.78	58.1	46.5	38.7	33.2	29.1	25.8	23.2	21.1	19.4	17.9	16.6	15.5	14.5	13.7	12.9	12.2	11.6			
	M	60	0.86	63.7	50.9	42.4	36.4	31.8	28.3	25.5	23.1	21.2	19.6	18.2	17.0	15.9	15.0	14.1	13.4	12.7			
	M	70	0.93	68.8	55.0	45.8	39.3	34.4	30.6	27.5	25.0	22.9	21.2	19.6	18.3	17.2	16.2	15.3	14.5	13.8			
	VC	20	0.57	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.8	8.4			
	VC	30	0.69	51.4	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.8	10.3			
	C	40	0.80	59.4	47.5	39.6	33.9	29.7	26.4	23.8	21.6	19.8	18.3	17.0	15.8	14.9	14.0	13.2	12.5	11.9			
	C	50	0.89	66.4	53.1	44.3	37.9	33.2	29.5	26.6	24.1	22.1	20.4	19.0	17.7	16.6	15.6	14.8	14.0	13.3			
	M	60	0.98	72.7	58.2	48.5	41.6	36.4	32.3	29.1	26.5	24.2	22.4	20.8	19.4	18.2	17.1	16.2	15.3	14.5			
	M	70	1.06	78.6	62.9	52.4	44.9	39.3	34.9	31.4	28.6	26.2	24.2	22.5	21.0	19.6	18.5	17.5	16.5	15.7			
	VC	20	0.64	47.3	37.8	31.5	27.0	23.6	21.0	18.9	17.2	15.8	14.5	13.5	12.6	11.8	11.1	10.5	9.9	9.5			
	VC	30	0.78	57.9	46.3	38.6	33.1	28.9	25.7	23.1	21.0	19.3	17.8	16.5	15.4	14.5	13.6	12.9	12.2	11.6			
	C	40	0.90	66.8	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	17.8	16.7	15.7	14.9	14.1	13.4			
	C	50	1.01	74.7	59.8	49.8	42.7	37.4	33.2	29.9	27.2	24.9	23.0	21.3	19.9	18.7	17.6	16.6	15.7	14.9			
	M	60	1.10	81.8	65.5	54.6	46.8	40.9	36.4	32.7	29.8	27.3	25.2	23.4	21.8	20.5	19.3	18.2	17.2	16.4			
	M	70	1.19	88.4	70.7	58.9	50.5	44.2	39.3	35.4	32.1	29.5	27.2	25.3	23.6	22.1	20.8	19.6	18.6	17.7			
	VC	20	0.71	52.5	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	11.1	10.5			
	VC	30	0.87	64.3	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	13.5	12.9			
	C	40	1.00	74.3	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.8	22.8	21.2	19.8	18.6	17.5	16.5	15.6	14.9			
	C	50	1.12	83.0	66.4	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.8	19.5	18.4	17.5	16.6			
	M	60	1.22	90.9	72.7	60.6	52.0	45.5	40.4	36.4	33.1	30.3	28.0	26.0	24.2	22.7	21.4	20.2	19.1	18.2			
	M	70	1.32	98.2	78.6	65.5	56.1	49.1	43.7	39.3	35.7	32.7	30.2	28.1	26.2	24.6	23.1	21.8	20.7	19.6			
	XC	20	0.85	63.0	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4	18.0	16.8	15.8	14.8	14.0	13.3	12.6			
	VC	30	1.04	77.2	61.7	51.4	44.1	38.6	34.3	30.9	28.1	25.7	23.7	22.0	20.6	19.3	18.2	17.1	16.2	15.4			
	C	40	1.20	89.1	71.3	59.4	50.9	44.6	39.6	35.6	32.4	29.7	27.4	25.5	23.8	22.3	21.0	19.8	18.8	17.8			
	C	50	1.34	99.6	79.7	66.4	56.9	49.8	44.3	39.8	36.2	33.2	30.7	28.5	26.6	24.9	23.4	22.1	21.0	19.9			
	M	60	1.47	109.1	87.3	72.7	62.4	54.6	48.5	43.6	39.7	36.4	33.6	31.2	29.1	27.3	25.7	24.2	23.0	21.8			
	M	70	1.59	117.9	94.3	78.6	67.4	58.9	52.4	47.1	42.9	39.3	36.3	33.7	31.4	29.5	27.7	26.2	24.8	23.6			
M	80	1.70	126.0	100.8	84.0	72.0	63.0	56.0	50.4	45.8	42.0	38.8	36.0	33.6	31.5	29.6	28.0	26.5	25.2				

SPRAY TIPS

SPRAYMAX ASYMMETRIC DUALFAN NOZZLES



The DF Dual Fan Nozzle employs conventional flat fan tips in an asymmetric dual cap. The dual tips are oriented 10° forward and 50° rearward to provide a combination of penetration and backside coverage in complex canopies.

To maximize coverage, the nozzles may be alternated on the boom to provide four angles of spray orientation into the canopy, effectively spraying the target four times in one pass.

Size	No.
04	SPPDF04
05	SPPDF05
06	SPPDF06
065	SPPDF065
07	SPPDF07
08	SPPDF08
10	SPPDF10
12	SPPDF12

	Liquid Pressure PSI	Nozzle Capacity GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING									
			3 MPH	4 MPH	5 MPH	6 MPH	10 MPH	12 MPH	14 MPH	15 MPH	18 MPH	20 MPH
DF04 11001 + 8003 	20	0.28	28.0	21.0	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2
	30	0.35	34.3	25.7	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1
	40	0.40	39.6	29.7	19.8	14.8	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.45	44.2	33.2	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6
	60	0.49	48.5	36.3	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3
DF05 11002 + 8003 	20	0.35	35.0	26.3	17.5	13.1	10.5	8.8	7.5	6.6	5.8	5.3
	30	0.43	42.9	32.2	21.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4
	40	0.50	49.5	37.1	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	0.56	55.4	41.5	27.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3
	60	0.61	60.7	45.5	30.3	22.7	18.2	15.2	13.0	11.4	10.1	9.1
DF06 11002 + 8004 	20	0.42	42.0	31.5	21.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3
	30	0.52	51.5	38.6	25.7	19.3	15.4	12.9	11.0	9.6	8.6	7.7
	40	0.60	59.4	44.6	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9
	50	0.67	66.4	49.8	33.2	24.9	19.9	16.6	14.2	12.5	11.1	10.0
	60	0.74	72.8	54.6	36.4	27.3	21.8	18.2	15.6	13.6	12.1	10.9
DF065 110025 + 8004 	20	0.46	45.5	34.1	22.8	17.1	13.7	11.4	9.8	8.5	7.6	6.8
	30	0.56	55.7	41.8	27.9	20.9	16.7	13.9	11.9	10.5	9.3	8.4
	40	0.65	64.4	48.3	32.2	24.1	19.3	16.1	13.8	12.1	10.7	9.7
	50	0.73	72.0	54.0	36.0	27.0	21.6	18.0	15.4	13.5	12.0	10.8
	60	0.80	78.8	59.1	39.4	29.6	23.6	19.7	16.9	14.8	13.1	11.8
DF07 11003 + 8004 	20	0.50	49.0	36.8	24.5	18.4	14.7	12.3	10.5	9.2	8.2	7.4
	30	0.61	60.0	45.0	30.0	22.5	18.0	15.0	12.9	11.3	10.0	9.0
	40	0.70	69.3	52.0	34.7	26.0	20.8	17.3	14.9	13.0	11.6	10.4
	50	0.78	77.5	58.1	38.7	29.1	23.2	19.4	16.6	14.5	12.9	11.6
	60	0.86	84.9	63.7	42.4	31.8	25.5	21.2	18.2	15.9	14.1	12.7
DF08 11003 + 8005 	20	0.56	55.8	41.8	27.9	20.9	16.7	13.9	12.0	10.5	9.3	8.4
	30	0.69	68.3	51.2	34.2	25.6	20.5	17.1	14.6	12.8	11.4	10.2
	40	0.80	78.9	59.2	39.4	29.6	23.7	19.7	16.9	14.8	13.1	11.8
	50	0.89	88.2	66.2	44.1	33.1	26.5	22.1	18.9	16.5	14.7	13.2
	60	0.98	96.6	72.5	48.3	36.2	29.0	24.2	20.7	18.1	16.1	14.5
DF10 11004 + 8006 	20	0.71	70.0	52.5	35.0	26.2	21.0	17.5	15.0	13.1	11.7	10.5
	30	0.87	85.7	64.3	42.8	32.1	25.7	21.4	18.4	16.1	14.3	12.9
	40	1.00	98.9	74.2	49.5	37.1	29.7	24.7	21.2	18.5	16.5	14.8
	50	1.12	110.6	83.0	55.3	41.5	33.2	27.7	23.7	20.7	18.4	16.6
	60	1.22	121.2	90.9	60.6	45.4	36.3	30.3	26.0	22.7	20.2	18.2
DF12 11006 + 11006 	20	0.85	84.1	63.1	42.1	31.5	25.2	21.0	18.0	15.8	14.0	12.6
	30	1.04	103.0	77.3	51.5	38.6	30.9	25.8	22.1	19.3	17.2	15.5
	40	1.20	119.0	89.2	59.5	44.6	35.7	29.7	25.5	22.3	19.8	17.8
	50	1.34	133.0	99.8	66.5	49.9	39.9	33.3	28.5	24.9	22.2	20.0
	60	1.47	145.7	109.3	72.9	54.6	43.7	36.4	31.2	27.3	24.3	21.9

SPRAY TIPS

TURBODROP VARIABLE RATE FERTILIZER NOZZLES

Size	No.
015	SPPTDVRHB015-AL
03	SPPTDVRHB03-AL
05	SPPTDVRHB05

The TurboDrop Variable Rate fertilizer nozzle is designed to apply liquid fertilizer at a 4-5x flow rate range to allow for varying fertilizer requirements of the target crop.

The TurboDrop Variable Rate may be operated from 10-140 PSI, allowing up to a 5x rate change at a given speed. Additionally, the TDVRHB can maintain a constant GPA rate over a 5x speed change.

The TDVRHB utilizes a 3/8" hose barb for ease of installation on fertilizer rigs, and acts as a variable-flow metering orifice.

Size	No.
05	SPPTDVRHC05



TDVRHB015 TDVRF015		Press.	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																
PSI	GPM			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.123	12.2	9.1	7.3	6.1	5.2	4.6	4.1	3.7	3.3	3.0	2.8	2.6	2.4	2.3	2.1	2.0	1.8		
20	0.174	17.2	12.9	10.3	8.6	7.4	6.5	5.7	5.2	4.7	4.3	4.0	3.7	3.4	3.2	3.0	2.9	2.6		
30	0.266	26.3	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.6	5.3	4.9	4.6	4.4	4.0		
40	0.350	34.7	26.0	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.7	8.0	7.4	6.9	6.5	6.1	5.8	5.2		
50	0.391	38.7	29.0	23.2	19.4	16.6	14.5	12.9	11.6	10.6	9.7	8.9	8.3	7.7	7.3	6.8	6.5	5.8		
60	0.443	43.9	32.9	26.3	21.9	18.8	16.4	14.6	13.2	12.0	11.0	10.1	9.4	8.8	8.2	7.7	7.3	6.6		
70	0.483	47.8	35.9	28.7	23.9	20.5	17.9	15.9	14.3	13.0	12.0	11.0	10.2	9.6	9.0	8.4	8.0	7.2		
80	0.516	51.1	38.3	30.7	25.5	21.9	19.2	17.0	15.3	13.9	12.8	11.8	10.9	10.2	9.6	9.0	8.5	7.7		
100	0.566	56.0	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4		
120	0.620	61.4	46.0	36.8	30.7	26.3	23.0	20.5	18.4	16.7	15.3	14.2	13.2	12.3	11.5	10.8	10.2	9.2		
140	0.670	66.3	49.7	39.8	33.2	28.4	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.4	11.7	11.1	9.9		

TDVRHB02 TDVRF02		Press.	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																
PSI	GPM			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.180	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5	4.1	3.8	3.6	3.3	3.1	3.0	2.7		
20	0.251	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.5	6.8	6.2	5.7	5.3	5.0	4.7	4.4	4.1	3.7		
30	0.384	38.0	28.5	22.8	19.0	16.3	14.3	12.7	11.4	10.4	9.5	8.8	8.1	7.6	7.1	6.7	6.3	5.7		
40	0.512	50.7	38.0	30.4	25.3	21.7	19.0	16.9	15.2	13.8	12.7	11.7	10.9	10.1	9.5	8.9	8.4	7.6		
50	0.575	56.9	42.7	34.2	28.5	24.4	21.3	19.0	17.1	15.5	14.2	13.1	12.2	11.4	10.7	10.0	9.5	8.5		
60	0.653	64.6	48.5	38.8	32.3	27.7	24.2	21.5	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4	10.8	9.7		
70	0.696	68.9	51.7	41.3	34.5	29.5	25.8	23.0	20.7	18.8	17.2	15.9	14.8	13.8	12.9	12.2	11.5	10.3		
80	0.744	73.7	55.2	44.2	36.8	31.6	27.6	24.6	22.1	20.1	18.4	17.0	15.8	14.7	13.8	13.0	12.3	11.0		
100	0.821	81.3	61.0	48.8	40.6	34.8	30.5	27.1	24.4	22.2	20.3	18.8	17.4	16.3	15.2	14.3	13.5	12.2		
120	0.900	89.1	66.8	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	17.8	16.7	15.7	14.9	13.4		
140	0.972	96.2	72.2	57.7	48.1	41.2	36.1	32.1	28.9	26.2	24.1	22.2	20.6	19.2	18.0	17.0	16.0	14.4		

TDVRHB03 TDVRF03		Press.	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																
PSI	GPM			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.230	22.8	17.1	13.7	11.4	9.8	8.5	7.6	6.8	6.2	5.7	5.3	4.9	4.6	4.3	4.0	3.8	3.4		
20	0.326	32.3	24.2	19.4	16.1	13.8	12.1	10.8	9.7	8.8	8.1	7.4	6.9	6.5	6.1	5.7	5.4	4.8		
30	0.492	48.7	36.5	29.2	24.4	20.9	18.3	16.2	14.6	13.3	12.2	11.2	10.4	9.7	9.1	8.6	8.1	7.3		
40	0.661	65.4	49.1	39.3	32.7	28.0	24.5	21.8	19.6	17.8	16.4	15.1	14.0	13.1	12.3	11.5	10.9	9.8		
50	0.739	73.2	54.9	43.9	36.6	31.4	27.4	24.4	21.9	20.0	18.3	16.9	15.7	14.6	13.7	12.9	12.2	11.0		
60	0.825	81.7	61.3	49.0	40.8	35.0	30.6	27.2	24.5	22.3	20.4	18.8	17.5	16.3	15.3	14.4	13.6	12.3		
70	0.885	87.6	65.7	52.6	43.8	37.5	32.9	29.2	26.3	23.9	21.9	20.2	18.8	17.5	16.4	15.5	14.6	13.1		
80	0.943	93.4	70.0	56.0	46.7	40.0	35.0	31.1	28.0	25.5	23.3	21.5	20.0	18.7	17.5	16.5	15.6	14.0		
100	1.054	104.3	78.3	62.6	52.2	44.7	39.1	34.8	31.3	28.5	26.1	24.1	22.4	20.9	19.6	18.4	17.4	15.7		
120	1.154	114.2	85.7	68.5	57.1	49.0	42.8	38.1	34.3	31.2	28.6	26.4	24.5	22.8	21.4	20.2	19.0	17.1		
140	1.247	123.5	92.6	74.1	61.7	52.9	46.3	41.2	37.0	33.7	30.9	28.5	26.5	24.7	23.1	21.8	20.6	18.5		

TDVRHB05 TDVRF05		Press.	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																
PSI	GPM			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.454	44.9	33.7	27.0	22.5	19.3	16.9	15.0	13.5	12.3	11.2	10.4	9.6	9.0	8.4	7.9	7.5	6.7		
20	0.642	63.6	47.7	38.1	31.8	27.2	23.8	21.2	19.1	17.3	15.9	14.7	13.6	12.7	11.9	11.2	10.6	9.5		
30	0.758	75.0	56.3	45.0	37.5	32.2	28.1	25.0	22.5	20.5	18.8	17.3	16.1	15.0	14.1	13.2	12.5	11.3		
40	0.930	92.1	69.1	55.2	46.0	39.5	34.5	30.7	27.6	25.1	23.0	21.2	19.7	18.4	17.3	16.2	15.3	13.8		
50	1.039	102.9	77.1	61.7	51.4	44.1	38.6	34.3	30.9	28.1	25.7	23.7	22.0	20.6	19.3	18.2	17.1	15.4		
60	1.091	108.0	81.0	64.8	54.0	46.3	40.5	36.0	32.4	29.5	27.0	24.9	23.1	21.6	20.3	19.1	18.0	16.2		
70	1.269	125.6	94.2	75.4	62.8	53.8	47.1	41.9	37.7	34.3	31.4	29.0	26.9	25.1	23.6	22.2	20.9	18.8		
80	1.368	135.4	101.6	81.3	67.7	58.0	50.8	45.1	40.6	36.9	33.9	31.3	29.0	27.1	25.4	23.9	22.6	20.3		
100	1.530	151.5	113.6	90.9	75.7	64.9	56.8	50.5	45.4	41.3	37.9	35.0	32.5	30.3	28.4	26.7	25.2	22.7		
120	1.676	165.9	124.4	99.6	83.0	71.1	62.2	55.3	49.8	45.3	41.5	38.3	35.6	33.2	31.1	29.3	27.7	24.9		
140	1.810	179.2	134.4	107.5	89.6	76.8	67.2	59.7	53.8	48.9	44.8	41.4	38.4	35.8	33.6	31.6	29.9	26.9		

SPRAY TIPS



O-RING SEAL

No.	Description
SPP40260-V0	Viton
SPP40260-00	Buna-N

- Protects spray tip orifice from clogging and damage
- See Tip Selection Charts for proper mesh size.



TEEJET STRAINER

- 316 Stainless steel body & screen

No.	Mfg. No.
SPP6051-SS-50	6051-SS-50
SPP72920	6051-SS-100



TEEJET STRAINER

- Polypropylene body
- Stainless steel screen
- VisiFlo color coding

No.	Mfg. No.	Mesh
SPP8079-PP-24	8079-PP-24	24
SPP8079-PP-50	8079-PP-50	50
SPP8079-PP-80	8079-PP-80	80
SPP8079-PP-100	8079-PP-100	100
SPP8079-PP-200	8079-PP-200	200

BALL CHECK VALVE • NOZZLE STRAINERS

- Minimize nozzle dripping . . . fits all nozzles.
- Recommended for flow rates up to 0.8 GPM



TEEJET BALL CHECK STRAINER

- Polypropylene body
- Stainless Steel screen & spring
- VisiFlo color coding

No.	Mfg. No.
5 PSI Check Valve	
SPP4193B-PP-5-80SS	4193B-PP-5-80SS
10 PSI Check Valve	
SPP4193A-PP-10-24SS	4193A-PP-10-24SS
SPP4193B-PP-10-50SS	4193B-PP-10-50SS
SPP4193B-PP-10-100SS	4193B-PP-10-100SS



POLY TEEJET BALL CHECK VALVE

(NO SCREEN)

- For large flow nozzles of .40 to 1.5 GPM where a screen is not required.

No.	Mfg. No.
SPP11750-PP-10	11750-PP-10

WILGER COMBO-JET FERTILIZER STREAMER CAPS & STRAINERS



SNAP-IN STRAINERS

Slotted Plastic Strainer for Fertilizer
Stainless Steel for Chemical Spraying

Size	Slotted Strainer	Stainless Mesh	Color
100 mesh		SPP40251-00	Green
50 mesh	SPP40249-00	SPP40250-00	Blue
25 mesh	SPP40248-00	-	Yellow
16 mesh	SPP40247-00	-	Gray



WILGER FLANGED STRAINER

- Stainless Steel Strainers for Square-Lug Caps & Nozzles
- Color coded

No.	Mesh
SPP40150-00	50
SPP40158-00	80
SPP40151-00	100



TEEJET STRAINER

- Brass body
- Stainless Steel screen

No.	Mfg. No.	Mesh
SPP5053-50-SS	5053-50-SS	50
SPP5053-80-SS	5053-80-SS	80
SPP5053-100-SS	5053-100-SS	100
SPP5053-200-SS	5053-200-SS	200



TEEJET NYLON SLOTTED STRAINERS

For liquids containing suspended solids. VisiFlo colour coding.

No.	Mfg. No.	Mesh
SPP4514-NY-20	4514-NY-20	25
SPP4514-NY-10	4514-NY-10	50
SPP4514-32	4514-32	16



TEEJET BALL CHECK STRAINER

- Brass body
- 316 Stainless steel screen & spring

No.	Mfg. No.
5 PSI Check Valve	
SPP4193A-5-24SS	4193A-5-24SS
SPP4193B-5-50SS	4193B-5-50SS
SPP4193A-5-80SS	4193A-5-80SS
SPP4193B-5-100SS	4193B-5-100SS
SPP4193B-5-200SS	4193B-5-200SS
10 PSI Check Valve	
SPP4193B-10-50SS	4193B-10-50SS
SPP4193A-10-80SS	4193A-10-80SS
SPP4193B-10-100SS	4193B-10-100SS
20 PSI Check Valve	
SPP4193A-20-50SS	4193A-20-50SS
SPP4193A-20-100SS	4193A-20-100SS



BRASS TEEJET BALL CHECK VALVE

(NO SCREEN)

- For large flow nozzles of .40 to 1.5 GPM where a screen is not required.

No.	Mfg. No.
SPP11750-10	11750-10

TWO-HOLE CAP

No.	Description
SPP40432-086	2 Hole @ 0.086

THREE-HOLE CAP

No.	Description
SPP40433-047	3 Hole @ 0.0469
SPP40433-067	3 Hole @ 0.067
SPP40433-104	3 Hole @ 0.104



RADIALOCK PRE-ORIFICES

No.	Mfg. No.
SPP40285-01	40285-01
SPP40285-02	40285-02
SPP40285-03	40285-03
SPP40285-04	40285-04
SPP40285-05	40285-05
SPP40285-06	40285-06
SPP40285-015	40285-015
SPP40285-025	40285-025

REPLACEMENT SCREENS

- Fits all standard strainers.
- Stainless steel

No.	Mfg. No.	Mesh
SPPCP2930-50-SS	CP2930-50-SS	50



CUP STRAINERS

- Stainless Steel

No.	Mfg. No.	Mesh
SPP4067-SS-50	4067-SS-50	50
SPP4067-SS-100	4067-SS-100	100



GREEN LEAF INC SPRAY TIP FILTER

- Tip Strainer SS Screen w/ Check Valve Blue

No.	Mesh
SPPY8139004	50



BOSHART 316 STAINLESS STEEL MESH ELEMENTS

- 2" Filter

No.	Mesh
SPP14SF-FE20SM100	100



TEEJET BALL CHECK STRAINER

- 316 Stainless steel screen, body, spring & ball

No.	Mfg. No.
5 PSI Check Valve	
SPP4193A-SS-5-24SS	4193A-SS-5-24SS
10 PSI Check Valve	
SPP4193A-SS-10-50SS	4193A-SS-10-50SS

NOTE: Use of Ball Check Valve results in a pressure drop of 5 to 20 PSI depending on spring pressure rating.

SS TEEJET BALL CHECK VALVE (NO SCREEN)

- 316 Stainless Steel body, spring & ball
- For use where screen is not required

No.	Mfg. No.
SPP11750-SS-5	11750-SS-5

SPRAY TIPS

ROW APPLICATION KIT

Adjustable row application kit for applying post-emergence chemicals over crop rows



- Easily adjustable arms for length and angle without removing bolts
- Positioning one arm at proper angle automatically sets correct angle of second arm
- Stainless steel arms
- Fits square or round booms up to 1 1/2" diameter
- Kit includes standard and Quick TeeJet nozzle bodies
- Side nozzle bodies may be rotated
- Max. 125 PSI (9 bar)
- Spray tips and strainers not included

No.	Mfg. No.
SPP23770-SS	23770-SS



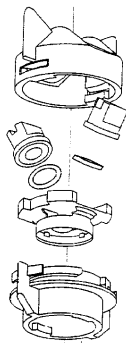
HOSE DROPS

Hose drops connect to standard and Quick TeeJet nozzle bodies and can also be used with swivels. 1/4" MPT Outlet. 125 psi max.

Note: QJ1/4T-NYB can be attached to hose drops for use with Quick TeeJet caps (See page 135).

No.	Mfg. No.	Length	Inlet
SPP21353-6-15-NYB	21353-6-15-NYB	15"	Quick Teejet Type
SPP21353-6-24-NYB	21353-6-24-NYB	24"	
SPP21354-24-NYB	21354-24-NYB	24"	11/16" - 16 Teejet Thread

TWIN CAP



- Smaller droplets at larger volumes
- Better penetration
- More accurate coverage
- Accepts standard fan, even & low drift spray tips
- Fits all standard nozzle bodies
- Twin cap - assembly includes adapter, cap and necessary o-rings to attach to nozzle bodies

TIPS NOT INCLUDED

No.	Description
SPP152607TC	Twin Cap Assembly
SPP2270-0150	Twin Cap Gasket

HARDI CAPS TO QUICK TEEJET NOZZLE RETROFIT

Hardi Caps	For Use with Spray Tips	No.	Mfg. No.	Color	
	TeeJet Flat Spray Tips (Smaller Capacities)		SPPCP23307-1-CE	CP23307-1-CE	Black
	Standard Size 0067	Thru -08	SPPCP23307-2-CE	CP23307-2-CE	White
	XR Size 01	Thru -08	SPPCP23307-3-CE	CP23307-3-CE	Red
	DG Size 015	Thru -05	SPPCP23307-5-CE	CP23307-5-CE	Green
	Kematal Flat Spray Tips		SPPCP23307-6-CE	CP23307-6-CE	Yellow
	No. NS-110-PF-_____		-	CP23307-7-CE	Brown
		-	CP23307-8-CE	Orange	



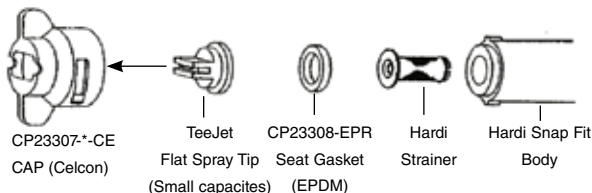
TJ TwinJet®
No. TJ60 _____ Spray Tip



A1 TeeJet®
No. A1100 _____ VS

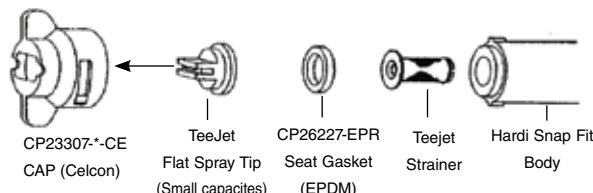
HARDI TO QUICK TEEJET ASSEMBLY

Using Hardi Strainer



No.	Mfg. No.	Description
SPPCP23308-EPR	CP23308-EPR	EPDM Seat Gasket

Using Teejet Strainer



No.	Mfg. No.	Description
SPPCP26227-EPR	CP26227-EPR	EPDM Seat Gasket

QUICK TEEJET 370 SERIES MULTI-NOZZLE BODIES FOR WET BOOMS



- Flow Rates:
 - Three Outlet : 2.6 GPM (9.8 L/min) with 5 PSI (0.34 bar) pressure drop
3.6 GPM (13.6 L/min) with 10 PSI (0.69 bar) pressure drop
 - Five Outlet : 2.4 GPM (9.1 L/min) with 5 PSI (0.34) pressure drop
3.4 GPM (12.9 L/min) with 10 PSI (0.69 bar) pressure drop
- Maximum pressure of 300 PSI (20 bar)
- Viton O-rings and Diaphragm
- Automatic spray tip alignment with use of Quick Teejet caps
- Hinged upper clamp and stainless steel bolt with captured nut reduces installation time
- Positive shut-off between each spray position
- 10 PSI diaphragm

THREE NOZZLE

No.	Mfg. No.	Size
SPPQJ373-1/2-NYB	QJ373-1/2-NYB	1/2"
SPPQJ373-3/4-NYB	QJ373-3/4-NYB	3/4"
SPPQJ373-1-NYB	QJ373-1-NYB	1"

FIVE NOZZLE

No.	Mfg. No.	Size
-	QJ375-1/2-NYB	1/2"
SPPQJ375-3/4-NYB	QJ375-3/4-NYB	3/4"
SPPQJ375-1-NYB	QJ375-1-NYB	1"

QUICK TEEJET 360 SERIES MULTI-NOZZLE BODIES FOR WET BOOMS



- Flow: 2.25 GPM (8.5 L/min) with 5 PSI (0.34 bar) pressure drop
- Automatic self-alignment with flat fan spray patterns
- Molded hex socket in the upper clamp for attaching to flat surfaces
- Hinged upper clamp reduces assembly time and fits inside common boom channels
- Also available with optional 39535 ChemSaver air shut-off valve
- Maximum pressure of 300 PSI (20 bar)
- Positive shut-off between each spray position
- 10 PSI diaphragm

THREE NOZZLE

No.	Pipe Size
SPPQJ363C-3/4-NYB	3/4"
SPPQJ363C-1-NYB	1"

Purchase caps and gaskets separately

FOUR NOZZLE

No.	Pipe Size
SPPQJ364C-3/4-NYB	3/4"
SPPQJ364C-1-NYB	1"

Purchase caps and gaskets separately

FIVE NOZZLE

No.	Pipe Size
SPPQJ365C-3/4-NYB	3/4"
SPPQJ365C-1-NYB	1"

Purchase caps and gaskets separately

w/FERTILIZER OUTLET

No.	Gasket Type
SPPQJ363F-1-NYB	1" - EPDM Gasket
SPPQJ363F-1-NYB-VI	1" - Viton Gasket

w/FERTILIZER OUTLET

No.	Gasket Type
SPPQJ364F-1-NYB	1" - EPDM Gasket
SPPQJ364F-1-NYB-VI	1" - Viton Gasket

w/FERTILIZER OUTLET

No.	Gasket Type
SPPQJ365F-1-NYB	1" - EPDM Gasket
-	1" - Viton Gasket



TWIST LOCK DIAPHRAGM CHECK VALVE

- Automatic tip alignment
- Drip free shut off
- Max. 300 PSI
- Nylon construction
- Boom hole 3/8"

QJ17560

No.	Pipe Size
SPPQJ17560A-1/2-NYB	1/2"
SPPQJ17560A-3/4-NYB	3/4"
SPPQJ17560A-1-NYB	1"



THREE NOZZLE HIGH CAPACITY NOZZLE BODY

QJ383

No.	Description
-	High capacity 3/4"
SPPQJ383-1-NYB	High capacity 1"
SPPCP98488-VI	11/16" adapter insert



TWIST LOCK TRIPLE JET

- Three nozzle swivel head
- Automatic tip alignment
- Non-drip shut off
- Max. 150 PSI

No.	Pipe Size
SPP24216A-3/4-NYB	3/4"
SPP24216A-1-NYB	1"



TWIST LOCK NOZZLE BODY

- Automatic tip alignment
- Max. 300 PSI
- Nylon construction
- 3/8" boom hole

QJ7421

No.	Pipe Size
SPPQJ7421-1/2-NYB	1/2"
SPPQJ7421-3/4-NYB	3/4"
SPPQJ7421-1-NYB	1"



SIDE MOUNT TWIST LOCK DIAPHRAGM CHECK VALVE

- Automatic tip alignment
- Drip free shut off
- Max. 300 PSI
- Nylon construction
- 3/8" boom hole required

QJ22187

No.	Pipe Size
SPPQJ22187-1/2-NYB	1/2"
SPPQJ22187-3/4-NYB	3/4"
SPPQJ22187-1-NYB	1"



QUICK TEEJET PTC BODIES

- Accepts plastic & soft metal tubing
- 100 PSI Max

No.	Description
SPPQJ98592-1/4-10	1/4" 10 PSI CV
SPPQJ98590-3/8-10	3/8" 10 PSI CV



QUICK TEEJET ADAPTER

No.	PSI
SPPQJ90-1-NYR	300



RAPIDSTOP NOZZLE INLET FOR 1" BODIES

No.	For Nozzles
SPP98583-2-1-SS	5635



QUICK TEEJET PTC CAPS

- Accepts plastic & soft metal tubing
- 100 PSI Max
- Cap includes gasket

No.	Description
SPPQJ98588-1/4	1/4" Straight Cap
SPPQJ98586-3/8	3/8" Straight Cap
SPPQJ98598-90-1/4	90° 1/4" Quick Cap
SPPQJ98599-90-3/8	90° 3/8" Quick Cap



QUICK TEEJET NOZZLE BODIES WITH FERTILIZER OUTLET

- Positive shutoff between each position
- Flow: 2.25 GPM (8.5 l/min) with 5 PSI (0.34 bar) drop through turret and 3.4 GPM (12.9 l/min) through fertilizer outlet
- Maximum pressure: 300 PSI (20 bar)
- Available in 1" single or double hose shanks
- Includes ChemSaver diaphragm check valve for drip free shutoff. Standard diaphragm opens at 10 PSI (0.7 bar).
- Standard O-rings and diaphragm made of EPDM and Buna with Viton optional

4 NOZZLE

Part No.	Shank	Seal
SPPQJ364F-1000-1-NYB	Single	EPDM
QJ364F-1000-1-NYB-VI	Single	Viton
QJ364F-1000-2-NYB	Double	EPDM
QJ364F-1000-2-NYB-VI	Double	Viton

5 NOZZLE

Part No.	Shank	Seal
SPPQJ365F-1000-1-NYB	Single	EPDM
QJ365F-1000-1-NYB-VI	Single	Viton
SPPQJ365F-1000-2-NYB	Double	EPDM
QJ365F-1000-2-NYB-VI	Double	Viton



QUICK TEEJET 360 SERIES MULTI-NOZZLE BODIES FOR DRY BOOMS

3 NOZZLE

Part No.	Shank	Size
SPPQJ363C-500-1-NYB	Single	1/2"
SPPQJ363C-750-1-NYB	Single	3/4"
SPPQJ363C-1000-1-NYB	Single	1"
SPPQJ363C-500-2-NYB	Double	1/2"
SPPQJ363C-750-2-NYB	Double	3/4"
SPPQJ363C-1000-2-NYB	Double	1"

4 NOZZLE

Part No.	Shank	Size
SPPQJ364C-500-1-NYB	Single	1/2"
SPPQJ364C-750-1-NYB	Single	3/4"
SPPQJ364C-750-2-NYB	Double	3/4"

5 NOZZLE

Part No.	Shank	Size
SPPQJ365C-500-1-NYB	Single	1/2"
SPPQJ365C-750-1-NYB	Single	3/4"
SPPQJ365C-1000-1-NYB	Single	1"
SPPQJ365C-500-2-NYB	Double	1/2"
SPPQJ365C-750-2-NYB	Double	3/4"
SPPQJ365C-1000-2-NYB	Double	1"



QJ300 SERIES DIAPHRAGM CHECK VALVE NOZZLE BODIES

- Low-profile design allows maximum protection against damage
- Drip-free shutoff with TeeJet ChemSaver. Opens at 10 PSI. EPDM diaphragm
- Maximum operating pressure of 300 PSI
- Flow rate: 2.25 GPM at 5 PSI pressure drop; 3.18 GPM at 10 PSI pressure drop



QJ200 SERIES DIAPHRAGM CHECK VALVE NOZZLE BODIES

- Drip-free shutoff with TeeJet ChemSaver. Opens at 10 PSI. EPDM diaphragm
- Maximum operating pressure of 125 PSI
- Flow rate: 2.25 GPM at 5 PSI pressure drop; 3.18 GPM at 10 PSI pressure drop



Q100 SERIES NOZZLE BODIES

- 125 PSI Max.

No.	Shank	Size
SPP19349-211-406-NYB	Single	3/8"
SPP19349-211-540-NYB	Single	1/2"
SPP19349-211-785-NYB	Single	3/4"

No.	Shank	Size
SPP19350-212-406-NYB	Double	3/8"
SPP19350-212-540-NYB	Double	1/2"
SPP19350-212-785-NYB	Double	3/4"

No.	Shank	Size
SPP19351-213-406-NYB	Triple	3/8"
SPP19351-213-540-NYB	Triple	1/2"
SPP19351-213-785-NYB	Triple	3/4"

No.	Shank	Size
SPP18635-111-406-NYB	Single	3/8"
SPP18638-111-540-NYB	Single	1/2"
SPP18719-111-785-NYB	Single	3/4"
SPP18636-112-406-NYB	Double	3/8"
SPP18639-112-540-NYB	Double	1/2"
SPP18720-112-785-NYB	Double	3/4"
SPP18637-113-406-NYB	Triple	3/8"
SPP18640-113-540-NYB	Triple	1/2"



TWIST LOCK TRIPLE NOZZLE BODY WITH DIAPHRAGM CHECK VALVE

- 3 nozzle swivel head
- Shut off position
- Automatic tip alignment
- Non drip shut off
- Max. 125 PSI
- Nylon construction

No.	Style	Size
SPP24230A-1-540-NYB	Elbow	1/2"
SPP24230A-1-785-NYB	Elbow	3/4"

No.	Style	Size
SPP24230A-2-540-NYB	Tee	1/2"
SPP24230A-2-785-NYB	Tee	3/4"



TEEJET QJS SERIES STACKABLE NOZZLE BODIES

No.	Description
SPPQJS-D-1-CM-3-P	QJS-D Nozzle Body
SPPQJS-D-1-CM-5-P	QJS-D Nozzle Body NH
SPPQJS-D-1-XM-3-P	-
SPPPCP116880-NYB	Qjs-D Main Body Black Nylon

TEEJET QJ39685 SERIES

No.	Description
SPPQJ39685-2-500-NYB	Double
SPPQJ39685-1L-500-NYB	Single Left

O-RINGS



No.	Mfg. No.
SPPPCP7717-2/109-EPR	CP7717-2/109-EPR
SPPPCP7717-2/110-BU	CP7717-2-110-BU



Call for information if part numbers are not listed (-)

1-888-937-7278

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TWIST LOCK TRIPLE JET

- Three nozzle swivel head
- Shut off position provided
- Automatic tip alignment
- Non drip shut off
- Max. 150 PSI
- 3/8" boom hole required

No.	Mfg. No.	Connection
SPP24231A-NYB	24231A-NYB	1/4" MPT



TWIST LOCK NOZZLE BODY

- Automatic tip alignment
- Max. 300 PSI
- Nylon construction

No.	Mfg. No.	Connection
SPPQJ1/4TT-NYB	QJ1/4TT-NYB	1/4" MPT



RETROFIT NOZZLE BODIES

TWIST LOCK RETROFIT NOZZLE BODY

- Threads on to standard body
- Automatic tip alignment
- Max. 300 PSI
- Nylon construction

No.	Boom Connection
SPPQJT-NYB	11/16" FNT



TWIST LOCK DIAPHRAGM CHECK VALVE

- Automatic tip alignment
- Non drip shut off
- Max. 300 PSI
- Nylon construction

No.	Mfg. No.	Connection
SPPQJ8360-NYB	QJ8360-NYB	1/4" MPT



TWIST LOCK NOZZLE BODY

- Automatic tip alignment
- Max. 300 PSI
- Nylon construction

No.	Mfg. No.	Connection
SPPQJ1/4T-NYB	QJ1/4T-NYB	1/4" FPT



TWIST LOCK DIAPHRAGM CHECK VALVE RETROFIT

- Threads to standard body
- Automatic tip alignment
- Non drip shut off
- Max. 300 PSI
- Nylon construction

No.	Boom Connection
SPPQJT8360-NYB	11/16" FNT



TWIST LOCK DIAPHRAGM CHECK VALVE SIDE MOUNT

- Automatic tip alignment
- Non drip shut off
- Max. 300 PSI
- Nylon construction

No.	Mfg. No.	Conn.
SPPQJ8355-1/8-NYB	QJ8355-1/8-NYB	1/8" FPT
SPPQJ8355-1/4-NYB	QJ8355-1/4-NYB	1/4" FPT



SJ-7 EXTENSION ADAPTER

No.	Mfg. No.
SPP50854-NYB	50854-NYB



TEEJET DUO ADAPTER

No.	Mfg. No.
SPPQJ90-2-NYR	QJ90-2-NYR

TEEJET CHEMSAVER REPLACEMENT PRESSURE CAPS

No.	Mfg. No.	PSI
SPP21950-2-NYB	21950-2-NYB	2 PSI
SPP21950-8-NYB	21950-8-NYB	8 PSI
SPP21950-10-NYB	21950-10-NYB	10 PSI
SPP21950-15-NY	21950-15-NY	15 PSI
SPP21950-20-NYB	21950-20-NYB	20 PSI



NOZZLE BODY LOCKNUTS

No.	Type
SPP5823	Nylon
SPP3B12	Poly



POLY NOZZLE FITTINGS

(Comes with locknut)

Part No.	Size
Elbows	
SPP3NTL12	1/2"
SPP5822P	5/8"
SPP3NTL34	3/4"
Tees	
SPP3NTT38	3/8"
SPP3-NTT12	1/2"
SPP5819P	5/8"
SPP3NTT34	3/4"
Straight	
SPP5820P	3/8"
SPP5821P	1/2"
Cross	
SPP3T38C	3/8"
SPP3T12C	1/2"
SPP3T34C	3/4"



NYLON NOZZLE FITTINGS

(Comes with locknut)

Part No.	Size
Elbows	
SPP5808	3/8"
SPP5809	1/2"
SPPNTL58	5/8"
SPP5810	3/4"
Tees	
SPP5812	3/8"
SPP5813	1/2"
Straight	
SPP5820	3/8"
SPP5821	1/2"
Cross	
SPP5816	3/8"
SPP5817	1/2"
SPP5818	3/4"



45° QUICKJET NOZZLE BODY

- Poly construction
- Self aligning tip cap
- Accepts standard twist lock cap, tip & screen
- Max 125 PSI

No.	In	Out
SPP22674-1/4-NYB	1/4" MPT	Twist Lock



45° NOZZLE BODY

- Poly construction
- Accepts standard 11/16" nozzle caps, tips and screens
- Max. 125 PSI

No.	In	Out
SPPCP22673-PP	11/16"	11/16"



TEEJET WET BOOM NOZZLE BODIES

- Mounts on 3/8" hole
- Rated 250 PSI
- Fits tube or pipe size shown
- 11/16" nozzle thread

No.	Mfg. No.	Type	Size
SPP7421-1/2T	7421-1/2T	Brass	1/2"
SPP7421-3/4T	7421-3/4-T	Brass	3/4"
SPP7421-3/4T-NYB	7421-3/4T-NYB	Nylon	3/4"
SPP7421-1T-NYB	7421-1T-NYB	Nylon	1"
SPP7421SS-1T-SS	7421SS-1T-SS	SS	1"
SPPCP7418-BU	Replacement Gasket		



TEEJET NOZZLE BODIES

- For wet booms
- Mounts on 3/8" hole
- Rated 150 PSI
- Nylon construction
- 11/16" Nozzle thread

No.	Pipe Size
SPP25775-1/2T-NYB	1/2"
SPP25775-3/4T-NYB	3/4"
SPP25775-1T-NYB	1"



VARI-SPACING CLAMPS - SQUARE

No.	Size
SPPQJ111SQ-3/4	3/4"
SPPQJ111SQ-1	1"
SPPQJ111SQ-1-1/4	1 1/4"
SPPQJ111SQ-1-1/2	1 1/2"



EEZIFIT WET BOOM NOZZLE BODIES

FOR TWIST LOCK CAPS
3/8" Boom Hole Size

No.	Description
SPP1723-0142	Seal

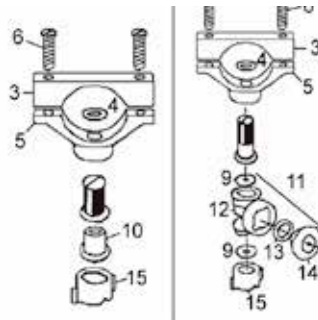


ROUND NOZZLE CLAMPS

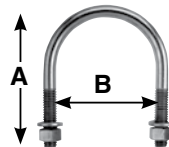
For standard dry boom assembly

No.	Pipe Size	Tube Size
SPPAA111-1/2	1/2"	7/8"
SPPAA111-3/4	3/4"	1"
SPPAA111-1	1"	1 1/4"

RAPIDFIT NOZZLE PARTS



Ref No.	No.	Description
9	SPP14-Q1819	Sealing Gasket
11	SPP13CAB030	Non-drip Module



STAINLESS STEEL 3/8" "U" BOLT

No.	Mfg. No.	Size A	Size B
SPPUB100	UB100	3/4"	1 1/16"
SPPUB202	UB202	3/4"	2 1/2"



VARI-SPACING CLAMPS - ROUND

No.	Pipe Size	Tube Size
SPPQJ111-1/2	1/2"	7/8"
SPPQJ111-3/4	3/4"	1"
SPPQJ111-1	1"	1 1/4"
SPPQJ111-1-1/4	1 1/4"	1 5/8"



SQUARE NOZZLE CLAMPS

For standard dry boom assembly

No.	Size
SPPBC100	1"
SPPBC114	1 1/4"

WILGER STAINLESS STEEL CLAMPS

5/8" Square Mount clamps attach a nozzle body with 5/8" square mount to a tube or pipe



SPP40342-SS



SPP40328-SS

Mount Size	Standard		Adjustable High-Reach
	5/8" Square Mount Clamp (SS)		
1/2"	for Round Tube	for Square Tube	for either Round Tube or Square Tube
3/4"	SPP40320-SS	N/A	3/4" Tube Extra High Reach
1"	SPP40321-SS	SPP40325-SS	40343-SS
1-1/4"	SPP40322-SS	SPP40326-SS	3/4" to 1-1/4"
1-1/2"	N/A	SPP40327-SS	40341-SS
2"	N/A	SPP40328-SS	1-1/2" to 2"
		SPP40330-SS	40342-SS

Two-Hole Clamps for Flow Indicator, Manifold, & Nozzle Body Mounting

No.	Size
SPP40550-SS	1"
SPP40551-SS	1-1/4"
SPP40552-SS	1-1/2"

SPP40551-SS



3/4" Square Mount Clamps for Nozzle Bodies

No.	Size
SPP41261-SS	1"
SPP41262-SS	1-1/4"
SPP41263-SS	1-1/2"
SPP41264-SS	2"



SPP41261-SS

No.	Size
SPP40553-SS	1"
SPP40554-SS	1-1/4"
SPP40555-SS	1-1/2"

Three-Hole Clamps for Sprayer Boom Tube, Nozzle Body & Utility Mounting
Boom tube clamps are sold in halves, so two are required for proper use.

TEEJET NOZZLE BODIES



- 11/16" Nozzle Thread

No.	Material	MPT
SPP72500	Brass	1/8"
SPPNB1614	Nylon	1/4"
SPPCP1322	Brass	1/4"
SPPCP1324	Brass	3/8"
SPPCP1322-SS	Stainless Steel	1/4"

TEEJET NOZZLE BODIES



- 11/16" Nozzle Thread

No.	Material	FPT
SPPCP12094-NYB	Poly	1/4"
SPPCP1321	Brass	1/4"
SPPCP1323	Brass	3/8"
SPPCP1339	Brass	1/2"
SPPCP1321-SS	Stainless Steel	1/4"

NOZZLE PLUG VALVE



- Control individual nozzles
- 1/4 turn on/off
- 400 PSI
- Brass/Celcon handle

No.	Connection
23220-1/8FX1/8F	1/8"(F) x 1/8"(F)
23220-1/4FX1/4F	1/4"(F) x 1/4"(F)
SPP23220-1/4FXT	1/4"(F) x 11/16"-16(M)
23220-1/4MX1/4F	1/4"(M) x 1/4"(F)
SPP23220-1/4FX1/4M	1/4"(F) x 1/4"(M)

NOZZLE ADAPTERS



- 11/16" Nozzle Thread.

No.	Material	FPT
SPP4676-1/8	Brass	1/8"
SPP4676-SS-1/8	Stainless Steel	1/8"
SPP4676-1/4	Brass	1/4"
SPP4676-SS-1/4	Stainless Steel	1/4"
SPP4676-3/8	Brass	3/8"
SPP4676-1/2	Brass	1/2"

NOZZLE HOSE BARB ADAPTERS



Fits nozzle caps with 1/2" round hole.

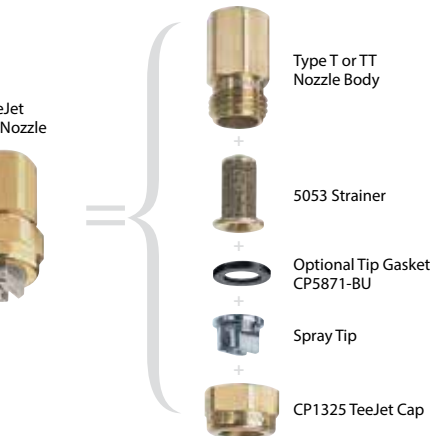
No.	Material	HB
SPP5802	Nylon	1/4"
SPP5802P	Poly	1/4"
SPP4251-250	Brass	1/4"
SPP4251-250-SS	Stainless Steel	1/4"
SPPK8438	Nylon	3/8"
SPP3K8438	Poly	3/8"
SPP4251-375	Brass	3/8"
SPP4251-375-SS	Stainless Steel	3/8"
SPP5804	Nylon	1/2"
SPP3K8412	Poly	1/2"
SPP4251-500-SS	Stainless Steel	1/2"

TEEJET NOZZLE ADAPTERS

Replaces spray tip to attach drop pipes or extensions.



No.	Outlet	Material
SPPCP4928	1/8" FPT	Brass
SPPCP4928-SS	1/8" FPT	Stainless Steel



TEEJET ROLLOVER NOZZLE BODIES



- Excellent for airblast sprayers
- Positive shutoff at 90° from on position.
- Max. 500 PSI
- Brass construction



No.	Mfg. No.	Inlet
SPP23830	23830	11-16"-16
SPP23830-1/4M	23830-1/4M	1/4" MPT

No.	Mfg. No.	Inlet
SPP23831	23831	11-16"-16
SPP23831-1/4M	23831-1/4M	1/4" MPT
SPP23831-1/4F	23831-1/4F	1/4" FPT

TIP PLUGS



No.	Description
SPPCP3942-SS	Stainless Steel
SPPCP3942	Brass

GREAT NORTHERN



No.	Description
SPP5832	Saddle Washer

PLUG CAPS



- Plug caps are used to temporarily shut off selected nozzles
- 11/16" nozzle thread

No.	Description
SPP3942	Nylon Plug Cap

NOZZLE CAPS

- 11/16" Nozzle thread

NYLON WING NUT



No.	Material
SPP8027	Nylon
SPP3-8027	Poly
SPPCP1325	Brass
SPPCP20230	Brass Ex. Long
SPP78396	Gasket
SPPCP1325-SS	Stainless Steel
SPPCP18032A-NYB	Winged Cap Nylon

TEEJET 1/2" BRASS NOZZLE BODY ELBOW "L"



- Offers increased capacity with precise liquid application.
- Maximum operating pressure of 125 PSI.

No.	Description
SPP9191B-531TD	1/2" L Nozzle Body Brass

NOZZLE BODIES & ACCESSORIES

CHEMSAVER DIAPHRAGM CHECK VALVE NOZZLE BODY

- Eliminates pressure drop associated with ball type check valves
- Spring-backed diaphragm ensures dependable closure
- Max. 125 PSI

11/16" MALE THREAD OUTLET

TYPE 8355 CHEMSAVER



- Nylon and polypropylene construction
- Opens at 10 PSI Pressure
- For Flow Rates to 2½ GPM
- Overall Length 2¾"
- Available in 1/8" and 1/4" FPT Connection
- 11/16" Nozzle Thread

No.	FPT	Material
SPP8355-1/4-NYB	1/4"	Nylon / Poly

TYPE 8360 CHEMSAVER



- Nylon and polypropylene construction
- Opens at 10 PSI pressure
- For flow rates to 2 GPM
- Overall length 2"
- 11/16" Nozzle Thread

No.	MPT
SPP8360-NYB	1/4"

TYPE 4664B CHEMSAVER



- Available in brass or aluminum
- Stainless steel valve and seat
- Opens at 7 PSI pressure.
- For flow rates to 1½ GPM
- Overall length 2¾"
- Weight: Brass 3oz; Aluminum 1 oz.
- 11/16" Nozzle thread x 1/8" FPT Connection

No.	Material
SPP4664B	Brass

TYPE 6135A CHEMSAVER



- Stainless Steel valve and seat
- Opens at 7 PSI pressure
- For flow rates to 4 GPM
- Overall length 2¾"
- 11/16" Nozzle thread
- Available in 1/4" and 3/8" FPT Connection

No.	FPT	Material
SPP6135A-1/4	1/4"	Brass
-	3/8"	Brass

PIPE THREAD OUTLET



TYPE 4666B CHEMSAVER

- Brass construction
- Opens at 7 PSI pressure
- For flow rates to 1½ GPM
- Overall length 1-5/16"
- 1/8" FPT Inlet and Outlet

No.	Description
SPP4666B	Brass

CHEMSAVER REPLACEMENT PARTS



NO. 4620 DIAPHRAGM
For brass or aluminum bodies

No.	Material
SPPCP4620-FA	4620-Fairprene
SPPCP4620-VI	4620-Viton



NO. 4624 RETAINER

No.	Material
SPPCP4624-ALEF	4624-Aluminum
SPPCP4624	4624-Brass



NO. 9758 END CAP SUBASSEMBLY

No.	Material
SPP9758	9758-Brass



NO. 21953 DIAPHRAGM

For nylon bodies

No.	Material
SPPCP21953-EPR	21953-EPDM
SPPCP21953-VI	21953-VITON



NO. 21950-NYB END CAP

- Opens at 10 PSI
- 2-8-10-20 PSI

No.	Description
SPP21950-10-NYB	21950-NYB



TYPE 12328-NYB CHEMSAVER

- Nylon with celcon bonnet
- Opens at 7 PSI
- 3/4" Port
- Overall length 3"

No.	Inlet x Outlet	GPM
SPP12328-3/4-NYB	3/4" MPTx3/4" FPT	15



TYPE 12328-NYB REPAIR DIAPHRAGMS

No.	Mfg. No.	Material
SPPCP12335-FA	12335-FA	Fairprene Std.
SPPCP12335-VI	12335-VI	Viton Opt.



BRASS SINGLE SWIVEL COMPACT NOZZLE BODY

- 360° Adjustable
- Accepts standard 11/16" caps, tip and screen
- Max. 125 PSI

No.	In	Out
SPP7620-T	1/4" FPT	Nozzle Thread



BRASS SINGLE SWIVEL NOZZLE BODY

- 280° Adjustable
- Accepts standard 11/16" caps, tips and screens
- Max. 125 PSI

No.	In	Out
SPP90.900.003	1/4" FPT	Nozzle Thread
SPP5540-1/4-TT	1/4" MPT	Nozzle Thread



SINGLE SWIVEL NOZZLE BODY

- 360° Adjustable
- Accepts standard 11/16" caps, tips and screens
- Nylon construction
- Max. 125 PSI

No.	In	Out
SPP8600-1/4T-NYB	1/4" FPT	Nozzle Thread

HYPRO WET BOOM NOZZLE BODY



- Nylon Body
- Max 150 PSI
- Anti-drip valve: red 8 PSI yellow 3 PSI
- Positive shut-off between each spray position
- Allows for 3 spray tips
- Fast and easy assembly to boom

No.	Mfg. No.	Pipe Size	Valve
SPP4222N-B323	4012255	3/4"	Red
Replacement Parts			
SPP4200-0004E	005860.036	Diaphragm EPDM	
SPP4200-0004V	005865.036	Diaphragm Viton	
SPP4200-0020	005860.130	Red 8 lb. Check Valve	



BRASS DOUBLE SWIVEL NOZZLE BODY

- 280° Adjustable
- Accepts standard 11/16" caps, tips and screens
- Max. 125 PSI

No.	In	Out
SPP90.900.004	1/4" FPT	Nozzle Thread
SPP6240-1/4TT	1/4" MPT	Nozzle Thread



QUICK TEEJET SINGLE SWIVEL NOZZLE BODY

- 360° Adjustable
- Self-aligning tip cap
- Accepts standard twist lock cap, tip & screen
- Nylon construction
- Max. 125 PSI

No.	In	Out
SPPQJ8600-1/4-NYB	1/4" FPT	Twist Lock

HYPRO 5 OUTLET PROFLO NOZZLE BODY



- Provides lowest pressure drop at any given flow in the industry
- Available in wet or dry boom versions
- Positive shut off between each spray position

No.	Mfg. No.	Pipe Size	Valve
SPP73668	4223N-B524-00	1"	Red (8 PSI)

WILGER AJUSTABLE SWIVEL BODIES

Swivel bodies can be rotated front to back 360° use for crop Adapted Spraying or other targeting.



Inlet Check	Outlet(s)	Without Dia.	Dia. Check	Manual On/Off
1/4" NPT-M	Single	SPP40225-00	SPP40231-00	SPP40237-00
	Double	SPP40226-00	SPP40232-00	SPP40238-00
1/4" NPT-F	Single	SPP40227-00	SPP40233-00	SPP40239-00
	Double	SPP40228-00	SPP40234-00	SPP40240-00
1/4"NPT-M w/ 1/4" NPT-F	Single	SPP40229-00	SPP40235-00	SPP40241-00
	Double	SPP40230-00	SPP40236-00	SPP40242-00
3/8" HB w/ 5/8" Sq. Mount	Single	SPP40243-00	SPP40244-00	SPP40245-00

NOZZLE BODIES & ACCESSORIES

COMBO-RATE® Turrets

 Canadian Manufactured Products

The COMBO-RATE® Turret Advantage

Common U-clip connections for all Combo-Rate parts

Each turret arm is o-ring sealed to minimize dust & debris entry

Module threads are compatible with most PWM spray systems

Front Turret

Side Turret

Top Turret

Three styles of turret for best fit & function

NEW

Bodies can be equipped with any combination of control modules, including AIR-OFF, PWM solenoid, Manual ON/OFF or spring-based diaphragm check valves

Multiple options for Single CJ, Square Lug, or Double-Down outlets

Double-Down Turrets allow for dual nozzle spraying for better coverage in high volume & fungicide applications

COMBO-RATE turrets provide you options to configure a desired turret configuration, allowing it to be a universal turret for any brand of sprayer or nozzles.

COMBO-RATE® Stacking Nozzle Bodies

 Canadian Manufactured Products

The COMBO-RATE® Advantage



Debris-cleaning inlet slots for less residue buildup

Hinged Clamp for easy install

Two-Way Nozzle Bodies can reverse left/right for universal mounting

U-clip fittings can be easily retrofitted to use any future COMBO-RATE products

High flow bodies with low pressure-drop

Bodies can be equipped with any combination of control modules, including AIR-OFF, PWM solenoid, Manual ON/OFF or spring-based diaphragm check valves

Ability to spray with multiple nozzles simultaneously OR reserve integrated nozzle body for fertilizer top-dressing

Call for information if part numbers are not listed (-)

COMBO-RATE® Side-Fed Saddles



Side-Fed saddle with a thru and end body

COMBO-RATE® II (CRII) Top/Bottom-Fed Saddles



PERK Passively removes air from the boom

Same parts, but different configuration to solve sprayer issues.

COMBO-RATE® II Bottom-Fed Nozzle Body



CRII integral body with end body and turret

COMBO-RATE® Stacking Components



PERK Adjustable Swivel in 15° increments

Thru Bodies

End Bodies

Swivel End Bodies For Fence-row nozzles

COMBO-RATE SIDE-FED INLET SADDLES

Boom	Inlet	Part No. Each
3/4"	3/8"	SPP41203-00
1"	3/8"	SPP41200-00
1"	9/16"	SPP41201-00



COMBO-RATE II BOTTOM-FED OR TOP-FED SADDLES

Boom	Inlet	Stacking Direction	Part No.	
			Standard	Bolt Mount
1"	3/8"	One-way	SPP41475-00	SPP41475-00
		One-way	SPP41471-00	-
		Two-way	-	SPP41476-00



Component	Des.	Part No.
TWS Male Tube	Male End Adapter, Left Thread	SPP41400-04
End Adapter (3pc)	Male End Adapter, Right Thread	SPP41400-05
	Male End Adapter, Binding Nut	SPP41400-02

Replacement Turret Lock Clips **SPP41502-09**

COMBO-RATE II STACKING NOZZLE BODIES

One-way stacking COMBO-RATE nozzle bodies stack to the left with one open u-clip port. Typically using a manual on/off module, these bodies can be used to spray separately than turrets/bodies or simultaneously from multiple nozzles. Multiple nozzle spraying can be an effective way to improve coverage in high volume applications to make a more meaningful mix of droplets.

Boom	Inlet	Stacking Direction	Part No.	
			Manual On/Off	PWM (w/o nut)
1"	3/8"	One-way	SPP41433-00	-
		Two-way	SPP41434-00	SPP41438-00
		One-way	SPP41343-00	-
		Two-way	SPP41464-00	SPP41468-00



41433-00

COMBO-RATE TOP TURRETS

Top turrets stack onto any COMBO-RATE nozzle body, mounting on the common u-clip port. Turrets are available in a variety of outlet and module styles, which are mounted onto the top of the turret. Ideal for use with bulky PWM solenoids in tight booms.

Module points upwards to keep large solenoids (e.g. Hawkeye II) out of the way of other boom parts.

Open module thread must have PWM solenoid or other control module to function

Stacking Direction	Dia. Check Valve	Part No.		
		Manual On/Off	Air-Off Operated	PWM (w/o nut)
3 CJ Outlet	41803-00	41813-00	41843-00	41833-00
4 CJ Outlet	41804-00	41814-00	41844-00	41834-00
5 CJ Outlet	41805-00	41815-00	41845-00	SPP41835-00
3 CJ Outlet + 2SQ Lug Outlet	41805-35	41815-32	41845-32	41835-32
Double-Down + 3 CJ Outlet	41806-00	41816-00	41846-00	41836-00

PWM READY

Mfr Part No. 41836-00
No module nut (for PWM Solenoid) with double-down outlet

COMBO-RATE DOUBLE DOWN TOP TURRETS

- Top turrets stack onto any COMBO-RATE nozzle body, mounting on the common u-clip port.
- Turrets are available in a variety of outlet and module styles, which are mounted onto the top of the turret. Ideal for use with bulky PWM solenoids in tight booms

No.	Description
SPP41816-00	Manual On/Off
SPP41836-00	PWM (w/o nut)



COMBO-RATE STACKING THRU/END NOZZLE BODIES

Assembly	Dia. Check Valve	Part No.		
		Manual On/Off	Air-Off Operated	PWM (w/o nut)
Thru Body	SPP41100-00	SPP41110-00	-	-
End Body	SPP41101-00	SPP41111-00	SPP41126-00	SPP41136-00
Swivel Body	-	-	-	SPP41137-00



** PWM bodies/turrets do not include a body nut. Control module or solenoid must be used.

COMBO-RATE STANDARD (FRONT MOUNT) TURRETS

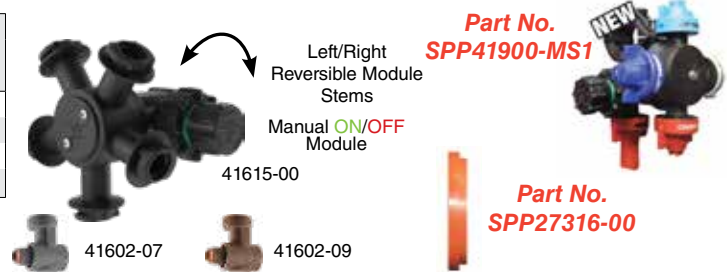
Model	Dia. Check Valve	Part No.		
		Manual On/Off	Air-Off Operated	PWM (w/o nut)
3 Outlet Body	-	SPP41513-00	-	SPP41533-00
4 Outlet Body	-	SPP41514-00	-	SPP41534-00
5 Outlet Body	SPP41505-00	SPP41515-00	-	SPP41535-00
3+2 Outlet Body	-	-	SPP41545-32	SPP41535-32

COMBO-RATE SIDE TAKE-OFF TURRETS

Model	Dia. Check Valve	Part No.		
		Manual On/Off	Air-Off Operated	PWM (w/o nut)
3 Outlet Body	SPP41603-00	SPP41613-00	SPP41643-00	SPP41633-00
4 Outlet Body	SPP41604-00	SPP41614-00	SPP41644-00	SPP41634-00
5 Outlet Body	SPP41605-00	-	SPP41645-00	SPP41635-00
3+2 Outlet Body	SPP41605-32	SPP41615-32	-	SPP41635-32



DUAL SPRAY 4+1 [DS41] NOZZLE BODIES



DRY BOOM NOZZLE BODIES & ACCESSORIES

Outlet Adapter



40498-00
3/8" NPT-F Inlet

Inlet	Part #
1/4"	40497-00
3/8"	40498-00

Adapts a threaded port to a Combo-Jet outlet

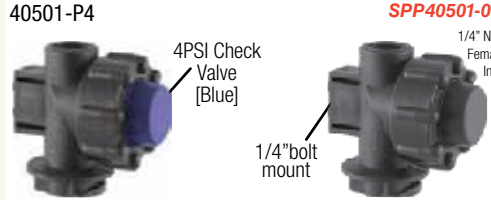
1/4" Push-in Tube Bodies



Inlet (O.D.)	10PSI Check	4PSI Check	No Module
1/4"	40502-00	40502-P4	40502-NM

Adapts a 1/4" O.D. tube inlet to a Combo-Jet outlet

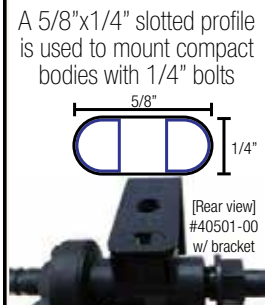
Threaded Inlet Bodies



Thread	10PSI Check	4PSI Check	No Module
1/8" NPT-F	40500-00	40500-P4	40500-NM
1/4" NPT-F	40501-00	40501-P4	40501-NM

Adapts a female thread inlet to a Combo-Jet outlet

Mounting



90° DIAPHRAGM ELBOW M/F ASSEMBLY
Part No. SPP41250-00



1/4" FPT ADAPTER
Part No. SPP41251-00



MALE x PLUG ADAPTER
Part No. SPP41285-00



MPT ADAPTER
Part No. SPP41253-00



FPT ADAPTER
Part No. SPP41255-00
Part No. SPP41266-00



MPT x 1/4" FPT ADAPTER
Part No. SPP41275-00
Part No. SPP41276-00

5/8" SQUARE MOUNT LOW MOUNT BODIES

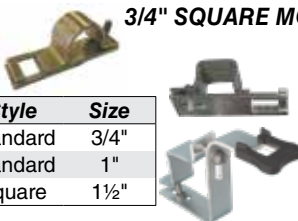
A low mounting compact body that attaches to a sprayer boom frame with a common 5/8" square mounting port.



Inlet Size	One-Way [Left]	One-Way [Right]	Two-Way	Three-Way
3/8" HB	40380-00	40381-00	40382-00	40383-00
1/2" HB	40385-00	40386-00	40387-00	40388-00
3/4" HB	40390-00	40391-00	40392-00	N/A

40155-21 Module Retainer, Replacement

STAINLESS CLAMPS FOR 5/8" SQUARE MOUNT DRY BOOM BODIES



No.	Style	Size
SPP40321-SS	Standard	3/4"
SPP40322-SS	Standard	1"
SPP40328-SS	Square	1 1/2"

Available in stainless steel



INTER-BODY STRAINER

No.	Mesh
SPP41150-00	50
SPP41152-00	80

Replacement O-Ring #110 for 3/8" Nozzle body inlet **SPP20455-V7**

STAINLESS HIGH REACH BOOM CLAMPS FOR 3/4" SQUARE MOUNT COMBO-RATE BODIES

No.	Description
SPP41261-SS	1" Square Tube
SPP41262-SS	1 1/4" Square Tube

HIGH REACH BOOM CLAMPS FOR 5/8" SQUARE MOUNT DRY BOOM BODIES

No.	Description
Stainless Steel	
SPP40341-SS	3/4" to 1 1/4" Sq. & Round Tube
SPP40342-SS	1 1/2" to 2" Sq. & Round Tube
SPP40343-SS	Extra High 3/4" Round Tube
SPP40341-04	Plastic Clip

Part No. SPP40502-P4 MISC. COMPONENTS

No.	Description
SPP40155-07	Fairprene Diaphragm
SPP40155-12	Viton Diaphragm
SPP41130-00	Thru Body relief valve
SPP41131-00	End Body relief valve
SPP41100-02	Body nut
SPP41100-03	Diaphragm module
SPP41100-02	Shut-off module
SPP41125-01	Air-off module
SPP40200-02	Buna-N O-ring

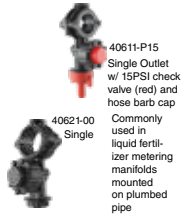
Wilger Combo-Jet Nozzle Bodies

 Canadian Manufactured Products

Single Outlet COMBO-JET® Nozzle Bodies

Robust and cost effective nozzle bodies for sprayers and used on wet boom liquid fertilizer kits.

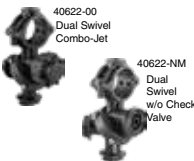
Boom Pipe	Inlet Size	Outlets	Style	Part#
3/4" (0.84" OD)	3/8"	1 CJ	Check Valve	SPP40611-00
			No Check	SPP40140-00
1" (1.315" OD)	3/8"	1 CJ	Check Valve	SPP40621-00
			Manual On/Off	SPP40621-MS
			No Module	SPP40621-NM
	21/32"	1 CJ	No Module	SPP40626-NM



Dual Outlet COMBO-JET® Swivel Bodies

Robust and cost effective nozzle bodies for sprayers to switch up to two nozzles by simply rotating the outlet. Safer and easier than handling contaminated nozzles.

Boom Pipe	Inlet Size	Outlets	Style	No.
3/4" (0.84" OD)	3/8"	2 CJ	Check Valve	SPP40612-00
			No Check	SPP40622-00
1" (1.315" OD)	3/8"	2 CJ	Manual On/Off	SPP40622-MS
			No Module	SPP40622-NM
			21/32"	2 CJ



Triple Outlet COMBO-JET® Swivel Bodies

Robust and cost effective nozzle bodies for sprayers to switch up to three nozzles by simply rotating the outlet. Safer and easier than handling contaminated nozzles.

Boom Pipe	Inlet Size	Outlets	Style	No.
3/4" (0.84" OD)	3/8"	3 CJ	Check Valve	SPP40613-00
			No Check	SPP40623-00
1" (1.315" OD)	3/8"	3 CJ	Manual On/Off	SPP40623-MS
			No Module	SPP40623-NM
			21/32"	3 CJ



1" KWIKSTOP™ Nozzle Bodies

Nozzle bodies with raised inlets to passively purge air trapped at the top of a sprayer boom pipe, reducing nozzle run-on & improving boom shut-off response times.

Boom Pipe	Outlets	Style	No.
1" (1.315" OD)	1 CJ	Check Valve	SPP40631-00
	2 CJ	Check Valve	SPP40632-00
	3 CJ	Check Valve	SPP40633-00

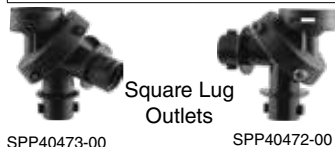


Combo-Jet Outlet Swivel Turret Adapters

For slow movement applications without risk of being struck

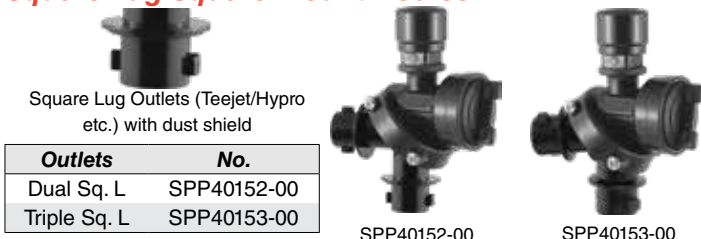


Swivel Outlets	Dual Turret	Triple Turret
Combo-Jet Outlet	SPP40470-00	SPP40471-00



Swivel Outlets	Dual Turret	Triple Turret
Square Lug Outlet	SPP40472-00	SPP40473-00

Square Lug Square-Mount Bodies



Outlets	No.
Dual Sq. L	SPP40152-00
Triple Sq. L	SPP40153-00

WESTWARD PARTS

Single Outlet Square Lug Nozzle Bodies

Robust and cost effective nozzle bodies for sprayers and used on wet boom liquid fertilizer kits.

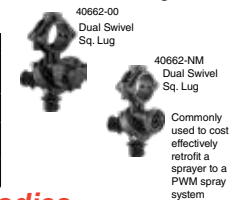
Boom Pipe	Outlets	Style	No.
3/4" (0.84" OD)	1 Square Lug	Check Valve	SPP40651-00
		No Check	SPP40140-00
1" (1.315" OD)	1 Square Lug	Check Valve	SPP40661-00
		Manual On/Off	SPP40661-MS
		No Module	SPP40661-NM
		No Check	SPP40141-00



Dual Outlet Square Lug Nozzle Bodies

Robust and cost effective nozzle bodies for sprayers to switch up to two nozzles by simply rotating the outlet. Safer and easier than handling contaminated nozzles.

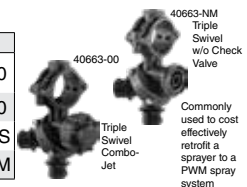
Boom Pipe	Outlets	Style	No.
3/4" (0.84" OD)	2 Square Lug	Check Valve	SPP40652-00
		No Check	SPP40662-00
1" (1.315" OD)	2 Square Lug	Manual On/Off	SPP40662-MS
		No Module	SPP40662-NM



Triple Outlet Square Lug Nozzle Bodies

Robust and cost effective nozzle bodies for sprayers to switch up to three nozzles by simply rotating the outlet. Safer and easier than handling contaminated nozzles.

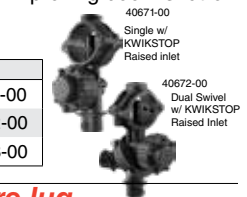
Boom Pipe	Outlets	Style	No.
3/4" (0.84" OD)	3 Square Lug	Check Valve	SPP40653-00
		No Check	SPP40663-00
1" (1.315" OD)	3 Square Lug	Manual On/Off	SPP40663-MS
		No Module	SPP40663-NM



1" KWIKSTOP™ Square Lug Nozzle Bodies

Nozzle bodies with raised inlets to passively purge air trapped at the top of a sprayer boom pipe, reducing nozzle run-on & improving boom shut-off response times.

Boom Pipe	Outlets	Style	No.
1" (1.315" OD)	1 Square Lug	KWIKSTOP	SPP40671-00
	2 Square Lug	KWIKSTOP	SPP40672-00
	3 Square Lug	KWIKSTOP	SPP40673-00



Conventional / square lug

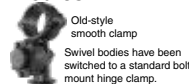
3/4" STANDARD BODIES

No.	Mfg. No.	Outlet
SPP40193-00	40193-00	Single
SPP40195-00	40195-00	Double
SPP40197-00	40197-00	Triple

1" STANDARD BODIES

No.	Mfg. No.	Outlet
SPP40194-00	40194-00	Single
SPP40198-00	40198-00	Triple

Smooth Clamp Bodies



Combo-Jet 3/4" STANDARD BODIES

No.	Mfg. No.	Outlet
SPP40512-00	40512-00	Double
SPP40516-00	40516-00	Double
SPP40526-00	40526-00	Triple

Contact Westward Parts for a cross-reference chart for the smooth clamp part numbers and their bolt-mount replacement.

3/8" NPT-M Hose Shank Adapters

No.	Hose barb size
Hose Barb Elbow (3/8" MPT x HB)	
SPP40301-00	3/8"
SPP40306-00	1/2"
SPP40311-00	3/4"
Hose Barb Tee (3/8" MPT x HB)	
SPP40302-00	3/8"
SPP40307-00	1/2"
SPP40312-00	3/4"
Hose Barb Cross (3/8" MPT x HB)	
SPP40313-00	3/4"



Building a SST Sprayer Boom for Quick-Flange (QF100)

When planning to build a sprayer boom with Wilger's Stainless Steel Tube, follow these steps to break down the process and engineer the best performing sprayer boom possible.

STEP 1 Determine tube lengths & spacing required for each section. Simply count the number of outlets on each required boom tube between each fold, accounting for separated sections (if required).

STEP 2 Split up nozzle sections based on boom type, or to minimize boom tube length (e.g. 11 nozzles max).

For Recirculating (R) Sprayer Booms: Anticipate keeping sections made with as few boom tubes as possible, as plumbing fittings will only be on the either end of the tube (aside from any tube-to-tube joints on the same section)

For Standard (S) Sprayer Booms: Anticipate splitting sections in half, allowing for a center-fed sweep tee, providing optimal pressure to each nozzle in each sprayer section.

STEP 3 Determine whether any boom end nozzle bodies (like Combo-Rate Boom End Flush Valve nozzle body) are being used, as they may require different lengths (as they encompass the last outlet on a sprayer boom)

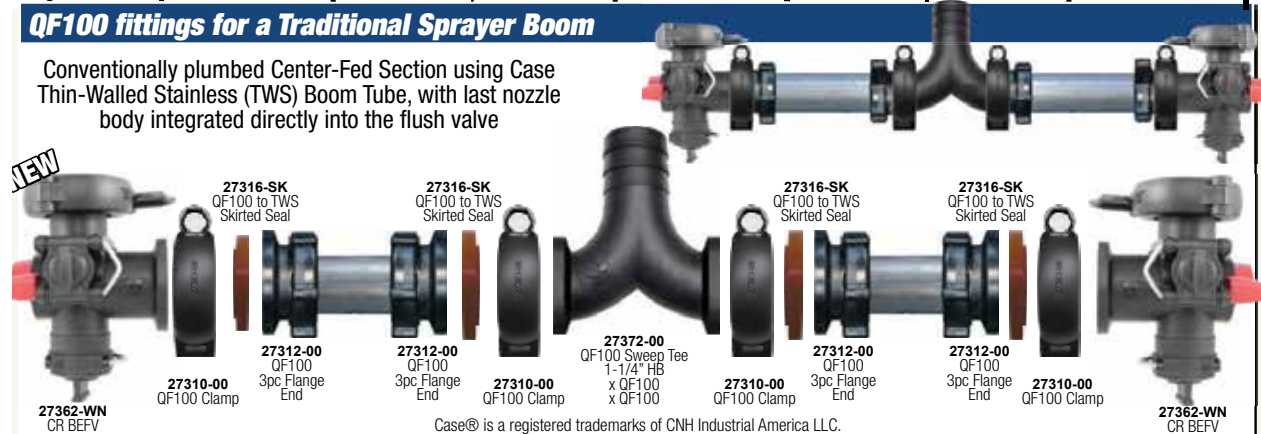
STEP 4 Determine the tube end spacing depending on the fittings used.
CR BEFV requires 18" tube end. Tube Joint requires 10" tube end. Regular fittings requires 2" end.

For example, a 5-section recirculation sprayer, with 72 outlets (on 20" spacing) using Combo-Rate End Flush Valve Bodies

	SECTION 1	SECTION 2		SECTION 3	SECTION 4		SECTION 5
STEP 1 Section sizing	11 nozzles	20 nozzles		10 nozzles	20 nozzles		11 nozzles
STEP 2 Tube Lengths	11 hole	10 hole + 10 hole joined		10 hole	10 hole + 10 hole joined		11 hole
STEP 3 Specialty Boom End Considerations	11 hole -2 (CR BEFV) 9 hole tube	10 hole -1 (CR BEFV) 9 hole tube + joint	10 hole -1 (CR BEFV) 9 hole tube + joint	10 hole -2 (CR BEFV) 8 hole tube	10 hole -1 (CR BEFV) 9 hole tube + joint	10 hole -1 (CR BEFV) 9 hole tube + joint	11 hole -2 (CR BEFV) 9 hole tube
STEP 4 Tube/End Lengths to Order	9 hole tube with 18" End (CR BEFV) & 18" End (CR BEFV)	9 hole tube with 18" End (CR BEFV) & 10" End (joint)	9 hole tube with 10" End (joint) & 18" End (CR BEFV)	8 hole tube with 18" End (CR BEFV) & 18" End (CR BEFV)	9 hole tube with 18" End (CR BEFV) & 10" End (joint)	9 hole tube with 10" End (joint) & 18" End (CR BEFV)	9 hole tube with 18" End (CR BEFV) & 18" End (CR BEFV)

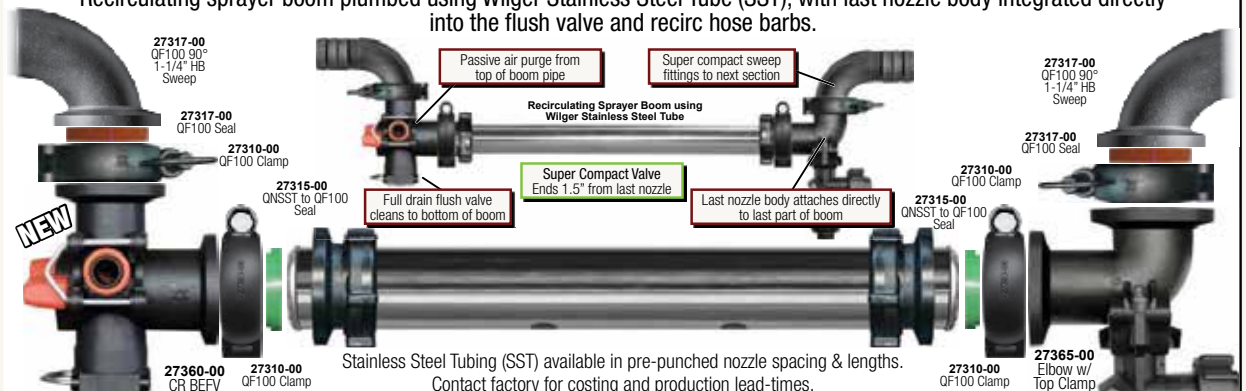
QF100 fittings for a Traditional Sprayer Boom

Conventionally plumbed Center-Fed Section using Case Thin-Walled Stainless (TWS) Boom Tube, with last nozzle body integrated directly into the flush valve



QF100 fittings for a Recirculating Sprayer Boom

Recirculating sprayer boom plumbed using Wilger Stainless Steel Tube (SST), with last nozzle body integrated directly into the flush valve and recirc hose barbs.



Stainless Steel Tubing (SST) available in pre-punched nozzle spacing & lengths. Contact factory for costing and production lead-times.

Call for information if part numbers are not listed (-)

1-888-937-7278

Westward has the part!

QF100 Tube-End & Pipe-End Adapters, Seals & Kits

Gasket seals mate different tube & QF100 fittings together. Ensure correct seals are identified for each connection.

3pc End Adapter

Max Pressure
150PSI/10BAR

Seals Used

27312-00



Wilger SST

Case TWS

2 halves secure over pipe, affixed with binding nut



OR
27315-SK [skirt]
27315-00 [std]

Wilger SST uses flared taper gasket

Adapters & Kits

Boom End/Tube Type	Adapter/Kit
Wilger SST rolled end	[3pc] 27312-00
OR	[2pc] 27316-00
Case TWS flared end	27313-00
Cut pipe end kit [9pc]	27381-00
Through pipe end kit [9pc]	27382-00
NPT-F	1/2" NPT-F 27357-00
Threaded Pipe Adapters	3/4" NPT-F 27358-00 1" NPT-F 27359-00

QF100 Gasket Seals

Seal Type	Standard Seal Part#	Skirted* Seal Part#
SST Tube x Flange	27315-00	27315-SK
TWS Tube x Flange	27316-00	27316-SK
Flange x Flange	27317-00	27317-SK
Wilger SST to SST	27318-00	27318-SK
Case TWS to TWS	27319-00	27319-SK

*Skirted gaskets are used when more robust sealed connections are required

2pc End Adapter

Max Pressure
100PSI/7BAR

27313-00



for non-mobile applications, requiring low pressure

Case TWS

2 halves secure over SST

Case TWS uses stepped or skirted gasket



OR
27316-SK [skirt]
27316-00 [std]

Tube to Flange End Seals

MATERIAL: FKM

Gasket seal against a formed tube end profile

Tube to Flange Seals	Standard Seal Part#	Skirted* Seal Part#
SST Tube x Flange	27315-00	27315-SK
TWS Tube x Flange	27316-00	27316-SK

*Skirted gaskets are used when more robust connections are required



Looking for 27316-02? It's been replaced by #27316-SK

Cut Pipe End Adapter Kit

27381-00 For any 1.315" OD pipe/tube
Drill two 3/8" holes, 1.1-1.25" from pipe end



1.1-1.25"

Kit seals holes and pipe, converting to flange end

Seals Used

Uses QF100 Standard Gasket
27317-00 [std]
27317-SK [skirt]



Flange to Flange Fitting Seal

MATERIAL: FKM

Gasket seals common 1" flange fitting ends

Flange Seal	Standard Seal Part#	Skirted* Seal Part#
Flange x Flange	27317-00	27317-SK



Tube End to Tube End Seals

MATERIAL: FKM

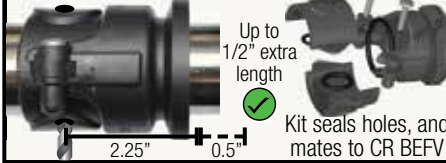
Gasket seals between two butt ends of tube

Tube to Tube Seals	Standard Seal Part#	Skirted* Seal Part#
Wilger SST to SST	27318-00	27318-SK
Case TWS to TWS	27319-00	27319-SK



Through Pipe Adapter Kit

27382-00 For any 1.315" OD pipe/tube
Drill two 3/8" holes, 2.25-3" from end



Up to 1/2" extra length

Kit seals holes, and mates to CR BEFV

Most Robust

Use with CR BEFV or 'Through-Pipe' Elbows



Threaded Pipe Adapter

For male national pipe threaded (NPT) pipes



Available in 1/2", 3/4" & 1" NPT-F sizes



27357-00



27358-00



27359-00

Threaded

Uses QF100 Standard Gasket
27317-00 [std]
27317-SK [skirt]



Quick-Flange Clamps

Compact & robust clamps for easy installation & adjustment with hinging bolt. Compatible with common 1" flange fittings.

Poly Clamp	Part#
Butterfly Nut & Bolt	27310-00
Nut & Bolt	27311-00

Butterfly Nut Flange Clamp
27310-00

Nut & Bolt Flange Clamp
27311-00



Polypropylene Clamp & Stainless Hardware



Regular Tees
Compact tees for flat bottom drainage.

Part No.
SPP27321-00



QF100 x 1" HB, Straight
Part No.
SPP27331-00

QF100 Adapters & Caps

QF100 Plugs, and other adapters for auxiliary connections to QF100 fittings

Size/Style	Description	Part#
Plug Cap	QF100 Plug Cap	27353-00
Female Thread Adapter	QF100 x 1/2" NPT-F	27357-00
	QF100 x 3/4" NPT-F	27358-00
	QF100 x 1" NPT-F	27359-00
Male Thread Adapter	QF100 x QN100-M Thread	27351-00
	QF100 x TWS-M Thread	27352-00



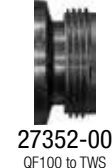
27357-00



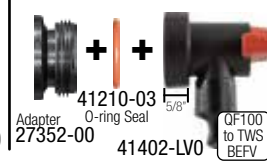
27358-00



27359-00



27352-00
QF100 to TWS



27351-00
QF100 to QN100

E.g. QF100 to QN100 Flush Valve

25160-02
Adapter O-ring Seal
27351-00 25175-LV0

41210-03
Adapter O-ring Seal
27352-00 41402-LV0



QF100 x 1" HB, 90° Sweep
Part No.
SPP27333-00

HIGH VOLUME CLEANING NOZZLES

- Cleaning combines, tractors, trucks
- Cleaning construction equipment
- Cleaning barns
- Watering a large garden or lawn in a hurry

- Emergency fire fighting
- Clean by volume rather than high pressure in less time.
- Spray adjusts from off to fan spray to straight stream

- Hooks up to any centrifugal pump. A field sprayer centrifugal pump is ideal as it has both volume and pressure. Use lay flat hose to hook up nozzle to pump. Less expensive and better than fire hose.



FIRE NOZZLE
Attach To Any Garden Hose

- Polycarbonate - Rubber bumper
- Performance:

	Pressure	Output
	50 PSI	15.2 GPM
	100 PSI	22 GPM

Solid Stream Range at 100 PSI - 45.5 Ft.

No.	Description
SPP6178	Nozzle 3/4" FGHT
SPP6178G	Replacement Gasket



ATTACHES TO 1" MPT

- Polycarbonate - Rubber bumper
- Performance: AS ABOVE

No.	Description
SPP6179	Nozzle 1" FPT
SPP6179G	Replacement Gasket



ATTACHES TO 1 1/2" MPT

- Polycarbonate - Rubber bumper
- Performance:

	Pressure	Output
	50 PSI	51 GPM
	75 PSI	66 GPM
	100 PSI	72 GPM

Solid Stream Range at 100 PSI - 58 Ft.

No.	Description
SPP6180	Nozzle 1 1/2" FPT
SPP6180G	Replacement Gasket



BRASS CONSTRUCTION 1 1/2" FPT

- Rubber bumper
- Performance: AS ABOVE

No.	Description
SPP6181	Brass Nozzle
SPP6181G	Replacement Gasket



HIGH PERFORMANCE 1 1/2" FPT

- Polycarbonate - Rubber bumper
- Performance:

	Pressure	Output
	50 PSI	138 GPM
	75 PSI	187 GPM
	100 PSI	72 GPM

Solid Stream Range at 100 PSI - 82 Ft.

No.	Description
SPP6182	1 1/2" High Performance
SPP6182G	Replacement Gasket



HIGH PERFORMANCE 2" FPT

- Rubber bumper
- Performance: AS ABOVE

No.	Description
SPP6183	2" High Performance
SPP6183G	Replacement Gasket
SPPFN-200	Poly with a brass stem in the middle.

VEEJET SPRAY NOZZLES

TYPICAL APPLICATIONS:

Suitable for a variety of washing and spraying applications.

- Parts Cleaning
- Metal Wash
- Foam Control
- Asphalt Spraying
- Max 500 PSI
- 80° angle @ 40 PSI
- Gravel Washing
- Vehicle Washing
- Fertilizer Spraying
- Dishwashers



1/4" MPT

No.	Mfg. No.
SPPH1/4VV-8001	H1/4VV8001
SPPH1/4VV-80015	H1/4VV80015
SPPH1/4U-9510	H1/4U-9510
SPPH1/4VV-8003	H1/4VV8003
SPPH1/4U-4020	H1/4U-4020
SPPH1/4VV-8005	H1/4VV8005
SPPH1/4VV-9502	H1/4VV-9502
SPPH1/4VV-8008	H1/4VV8008

LOW VOLUME MISTING NOZZLE



SPPF65-005

The Hypro range of misting nozzles produce a high percentage of droplets smaller than 50 microns making the sprays suitable for humidification and evaporation cooling. They are chemically resistant to also allow use with pesticides, disinfectants and odor control agents as well as dust suppression. 40 to 150 PSI.

No.	Spray Pattern	Angle	Mount	GPH@40
SPPF65-005	Flat Fan	65°	Flange	2.89

FOR CAPACITIES FROM 0.097 TO 1.4 GPM



- Adjustable spray from solid stream to a hollow cone pattern
- Made of polypropylene material for excellent chemical resistance

- Fits any 11/16" Teejet male thread bodies
- 30° offset from horizontal incorporated into main tip body

No.	Mfg. No.	Colour
SPP38720-PPB-X8	38720-PP-X8	Grey
SPP38720-PPB-X12	38720-PP-X12	Brown
SPP38720-PPB-X18	38720-PP-X18	Orange
SPP38720-PPB-X26	38720-PP-X26	Blue



5500 CONEJET POLYPROPYLENE

- Knurled body for easy adjustment
- 1/2 turn adjusts from fine spray to straight stream
- 11/16" Nozzle Thread

No.	Mfg. No.
-	5500-PBX-3
SPP5500-PPB-X5	5500-PBX-5
SPP5500-PPB-X6	5500-PBX-6
SPP5500-PPB-X8	5500-PBX-8
-	5500-PBX-12
-	5500-PBX-18



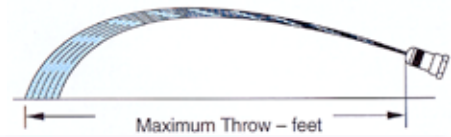
5500 CONEJET BRASS

- Knurled body for easy adjustment
- 1/2 Turn adjusts from fine spray to straight stream
- 11/16" Nozzle Thread

No.	Mfg. No.
-	5500-X1
SPP5500-X2	5500-X2
SPP5500-X3	5500-X3
-	5500-X4
SPP5500-X5	5500-X5
-	5500-X6
SPP5500-X8	5500-X8
SPP5500-X14	5500-X14
SPP5500-X18	5500-X18
-	5500-X22
SPP5500-X26	5500-X26



TIP SETTING "B" STRAIGHT STREAM SPRAY PATTERN



ADJUSTABLE CONEJET TIP NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI									
		20 PSI		30 PSI		40 PSI		60 PSI		100 PSI	
		SETTING A	SETTING B	SETTING A	SETTING B	SETTING A	SETTING B	SETTING A	SETTING B	SETTING A	SETTING B
38720-PPB-X8	Capacity - GPM	0.097	0.33	0.12	0.40	0.13	0.47	0.16	0.57	0.21	0.74
	Spray Angle	66°	—	71°	—	74°	—	77°	—	80°	—
	Max. Throw - Ft.	3	34	3	37	3	38	3	38	4	38
38720-PPB-X12	Capacity - GPM	0.15	0.49	0.18	0.60	0.20	0.69	0.24	0.84	0.31	1.1
	Spray Angle	71°	—	75°	—	77°	—	78°	—	80°	—
	Max. Throw - Ft.	3.5	36	4	39	4	40	4	41	4	41
38720-PPB-X18	Capacity - GPM	0.20	0.68	0.24	0.81	0.28	0.92	0.34	1.1	0.42	1.4
	Spray Angle	61°	—	68°	—	80°	—	80°	—	80°	—
	Max. Throw - Ft.	4	38	4	41	4	42	4	42	6	42
38720-PPB-X26	Capacity - GPM	0.31	0.89	0.38	1.1	0.43	1.2	0.53	1.5	0.68	1.9
	Spray Angle	77°	—	82°	—	84°	—	86°	—	86°	—
	Max. Throw - Ft.	4	34	4.5	37	5	38	5.5	39	6	40

ADJUSTABLE CONEJET TIP NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI											
		20 PSI		30 PSI		40 PSI		60 PSI		100 PSI		150 PSI	
		SETTING A	SETTING B	SETTING A	SETTING B	SETTING A	SETTING B	SETTING A	SETTING B	SETTING A	SETTING B	SETTING A	SETTING B
5500-X1	Capacity - GPM	—	.049	.015	.061	.017	.07	.02	.086	.025	.11	.028	.14
	Spray Angle	—	—	38°	—	54°	—	71°	—	80°	—	83°	—
	Max. Throw - Ft.	—	19	1	22	1.5	24	1.5	26	1.5	26	1.5	26
5500-X2	Capacity - GPM	.025	.091	.03	.11	.033	.13	.04	.16	.05	.20	.058	.25
	Spray Angle	40°	—	60°	—	68°	—	75°	—	80°	—	83°	—
	Max. Throw - Ft.	1.5	23	1.5	26	2	27	2	28	2	28	2	28
5500-X3	Capacity - GPM	.037	.13	.045	.17	.05	.19	.058	.23	.073	.30	.088	.37
	Spray Angle	57°	—	68°	—	72°	—	76°	—	80°	—	82°	—
	Max. Throw - Ft.	2	27	2	30	2	31	2	31	3	31	3	31
5500-X4	Capacity - GPM	.05	.18	.058	.22	.067	.25	.08	.31	.10	.40	.12	.49
	Spray Angle	61°	—	70°	—	73°	—	77°	—	80°	—	81°	—
	Max. Throw - Ft.	2.5	30	2.5	33	3	34	3	34	3	34	3	34
5500-X5	Capacity - GPM	.061	.21	.076	.26	.082	.30	.10	.37	.13	.48	.15	.58
	Spray Angle	61°	—	70°	—	74°	—	77°	—	80°	—	81°	—
	Max. Throw - Ft.	2.5	31	2.5	34	3	35	3	35	3	35	3	35
5500-X6	Capacity - GPM	.073	.26	.087	.32	.10	.37	.12	.45	.15	.58	.19	.71
	Spray Angle	65°	—	71°	—	74°	—	77°	—	80°	—	80°	—
	Max. Throw - Ft.	2.5	32	3	35	3	36	3.5	36	3.5	36	3.4	36
5500-X8	Capacity - GPM	.097	.33	.12	.40	.13	.47	.16	.57	.21	.74	.25	.90
	Spray Angle	66°	—	71°	—	74°	—	77°	—	80°	—	80°	—
	Max. Throw - Ft.	3	34	3	37	3	38	3	38	4	38	4	38
5500-X10	Capacity - GPM	.12	.42	.15	.52	.17	.60	.21	.73	.26	.94	.31	1.2
	Spray Angle	68°	—	72°	—	75°	—	78°	—	80°	—	80°	—
	Max. Throw - Ft.	3	35	3.5	38	3.5	39	4	40	4	40	4	40
5500-X12	Capacity - GPM	.15	.49	.18	.60	.20	.69	.24	.84	.31	1.1	.38	1.3
	Spray Angle	69°	—	73°	—	76°	—	78°	—	80°	—	80°	—
	Max. Throw - Ft.	3.5	36	4	39	4	40	4	41	4	41	4	41
5500-X14	Capacity - GPM	.17	.55	.20	.67	.23	.78	.29	.95	.37	1.2	.45	1.5
	Spray Angle	70°	—	74°	—	76°	—	78°	—	80°	—	80°	—
	Max. Throw - Ft.	3.5	37	4	40	4	41	4	41	4.5	41	4.5	41
5500-X18	Capacity - GPM	.21	.69	.26	.84	.30	.97	.37	1.2	.47	1.5	.58	1.9
	Spray Angle	71°	—	75°	—	77°	—	78°	—	80°	—	79°	—
	Max. Throw - Ft.	4	38	4	41	4	42	4	42	5	42	5	42
5500-X22	Capacity - GPM	.26	.83	.32	1.0	.37	1.2	.45	1.4	.58	1.9	.70	2.3
	Spray Angle	71°	—	75°	—	78°	—	79°	—	80°	—	78°	—
	Max. Throw - Ft.	4	39	4.5	41	5	42	5	42	5	42	5	42
5500-X26	Capacity - GPM	.31	.98	.37	1.2	.43	1.4	.53	1.7	.68	2.2	.83	2.7
	Spray Angle	72°	—	76°	—	78°	—	79°	—	80°	—	78°	—
	Max. Throw - Ft.	4.5	40	5	42	5	43	5.5	43	5.5	43	5.5	43

Above data is based on spraying water from a height of about 2 1/2 feet with tip tilted about as shown at left for each setting.

TRIGGERJET 50800



- For use with backpack and other low pressure sprayers
- Adjustable cone spray tip with a 30° offset
- Trigger lock permits locking gun in an open position for continuous flow
- 1/4" or 3/8" hose shank connection with 1/2" maximum hose OD
- Max. 100 PSI

No.	Mfg. No.	Wand	Ext.	Conn.
SPP50800-15-PP-300	50800-15-PP-1/4	Poly	15"	1/4"
SPP50800-15-PP-406	50800-15-PP-3/8	Poly	15"	3/8"
SPP50800-21-AL-300	50800-21-AL-1/4	Aluminum	21"	1/4"
SPP50800-21-AL-406	50800-21-AL-3/8	Aluminum	21"	3/8"

TRIGGERJET 22650



TRIGGER HANDLE ON/OFF SPRAY GUN

- A low pressure gun for ATV or backpack spraying
- Adjustable cone spray tip, adjust spray pattern from wide angle cone spray to straight steam. Tip # SPP5500-PPB-X8 standard
- Built in line filter in handle
- Polypropylene construction
- 1/4" FPT connection
- Available with 15" or 24" extension
- Viton diaphragm
- Max. 150 PSI

No.	Mfg. No.	Ext.
SPP22650-PP-1/4	22650	-
SPP22670-PP-15-1/4	22670-PP-15	15"
SPP22670-PP-24-1/4	22670-PP-24	24"

COMPLETE TELESCOPING SPRAY WAND

- Adjustable length from 65 to 115 cm, APS system, which prevents getting dirty of the telescope mechanism, nozzle with a smooth regulation of the angle of the jet, and external lance material, which is a combination of light plastic and extremely durable fiberglass, all these form the most technologically advanced telescopic lance we have ever created. Lance complete with a precise dosing valve integrated with a handle as well as with a filter and a hose connector.

Part No. SPTW500





NO. 4688 BRASS TRIGGER VALVE

- Trigger lock
- Max. 2 GPM
- Max. 250 PSI
- Use with adjustable Conejet tips etc.

No.	Inlet FPT	Outlet Nozzle Thread
SPP4688	1/4"	11/16"
Repair Kit		
SPPPK-AB4688-KIT	PK-AB4688-KIT	



NO. 6466 BRASS TRIGGER VALVE

- Same as No. 4688
- Less trigger lock with extra long trigger

No.	Inlet FPT	Outlet Nozzle Thread
SPP6466	1/4"	11/16"
Repair Kit		
SPPAB6466-KIT	AB6466-KIT	
SPP6466-VI	6466-VI	



NO. 6104 BRASS TRIGGER VALVE

- Trigger lock
- Max. 2 GPM
- Max 250 PSI

No.	Inlet FPT	Outlet FPT
SPP6104	1/4"	1/4"
Repair Kit		
SPPAB6104-KIT	AB6104	



NO. 6590 BRASS TRIGGER VALVE

- Same as No. 6104
- Less trigger lock, with extra long trigger.

No.	Inlet FPT	Outlet FPT
SPP6590	1/4"	1/4"
Repair Kit		
SPPAB6590-KIT	AB6590-KIT	



CURVED BRASS EXTENSIONS WITH FIXED BODY

- Male Nozzle Thread by
- Female Nozzle Thread
- Max 125 PSI

No.	Mfg. No.	Length
SPP6671-18	6671-18	18"
SPP6671-36	6671-36	36"
SPP6671-48	6671-48	48"



NO. 36 BRASS TRIGGER VALVE

- Trigger lock
- Max. 7 GPM
- Max. 150 PSI

No.	Inlet FPT	Outlet FPT
SPPAA36-3/8	3/8"	3/8"
Repair Kit		
-	PK-AB36-KIT	



NO. 36 STAINLESS STEEL TRIGGER VALVE

- Trigger lock
- Max. 7 GPM
- Max. 150 PSI

No.	Inlet FPT	Outlet FPT
-	1/4"	1/4"
SPPAA36-3/8-SS	3/8"	3/8"
Repair Kit		
SPPAB36-SS-KIT	AB36-SS-KIT	



NO. 9527 HIGH PRESSURE BRASS CURVED EXTENSION

- Max. 1000 PSI
- Insulated Handle
- Inlet Female Nozzle Thread
- Outlet Male Nozzle Thread
- Fits models 23H and #31 spray guns

No.	Mfg. No.	Length
SPP9527-24	9527-24	24"

Trigger Handle Adjustable Pattern Spray Gun

- As trigger is drawn back, valve moves from closed position to wide angle, to narrow cone to final straight stream.
- Trigger can be adjusted to stop at desired position.



GUNJET OVERALL LENGTH 22"

No.	Mfg. No.	Inlet Port	Pressure Range PSI	Material
SPPAA43L-6	43L	1/2" FPT	0-200	Brass
SPPAA43H-6	43H	1/2" FPT	200-800	Brass
SPPAA43L-AL6	43L-AL	1/2" FPT	0-200	Aluminum
SPPAA43H-AL6	43H-AL	1/2" FPT	200-800	Aluminum
SPPAA43L-AL10	43H-AL	3/4" FPT	0-200	Aluminum

Hardened Stainless Steel Type DX-HSS Spray Tips

For spraying trees and other applications where maximum spray throw is required.



BRASS

No.	Mfg. No.
SPPDX-10	DX-10

- Accepts disk type cone spray tips. No. 6 is standard.
- Available in Aluminum or Brass construction
- Max. volume 14.1 GPM with #10 disk.
- Pressure 0-800 PSI



GUNJET OVERALL LENGTH 13"

No.	Mfg. No.	Inlet Port	Pressure Range PSI	Material
SPPAA43LA-6	43LA	1/2" FPT	0-200	Brass
SPPAA43HA-6	43HA	1/2" FPT	200-800	Brass
SPPAA43LA-AL6	43LA-AL	1/2" FPT	0-200	Aluminum
SPPAA43HA-AL6	43HA-AL	1/2" FPT	200-800	Aluminum
SPPAA43HA-14	43HA	1/2" FPT	0-200	Brass



GUNJET OVERALL LENGTH 8"

No.	Mfg. No.	Inlet Port	Pressure Range PSI	Material
-	43LC-1/2	1/2" FPT	0-200	Brass
SPPAA43LC-3/4	43LC-3/4	3/4" FPT	0-200	Brass
SPPAA43HC-3/4	43HC-3/4	3/4" FPT	200-800	Brass

TEEJET LAWN SPRAY GUN



- Interchangeable nozzle tips are color-coded for easy identification of nozzle tip size
- Nozzle tips provide a 45° full cone "shower head" spray pattern
- Convenient trigger lock for continuous spraying
- Option available: hose shank swivel for inlet connection and extension wand and adapters for low volume and spot spraying
- Maximum operating pressure of 200 PSI (14 bar)
- Made of nylon with viton o-rings and stainless steel springs.

No.	Description
SPP25660-0	25660 Lawn Gun (less tip)
SPPCP25670-1.5-NY	4364 Grey Tip
SPPCP25670-3.0-NYB	4365 Black Tip
SPPCP25670-4.0-NY	4366 Red Tip
SPP25990-GGH-NYB	25990 Swivel
SPPCP22673-PP	CP22673-PP 45° Adapter
SPP25657-NYB	25657-NYB Adapter
SPP22665-15-PP	22665-15PP Extension

No.	Nozzle Tip Number	Nozzle Tip Color	Capacity (GPM) at Various Pressures						
			2 PSI	4 PSI	6 PSI	8 PSI	10 PSI	15 PSI	20 PSI
SPPCP25670-1.5-NY	25670-1.5-NY	Gray	1.4	1.9	2.3	2.6	2.9	3.4	4.0
SPPCP25670-3.0-NYB	25670-3.0-NY	Black	2.0	2.7	3.2	3.6	4.1	4.9	5.6
SPPCP25670-4.0-NY	25670-4.0-NY	Red	2.3	3.1	3.7	4.3	4.7	5.6	6.4

- For pressures to 800 PSI
- Rotate handle 70° from close to open
- As handle is turned spray changes from cone through to straight stream
- Models 12, 12A, 12-AL, 12C, 18, 18-AL & 143-AL-GH accept all standard orifice disks.
- Orifice Disk AY-HSS60 supplied with Gunjet Model #2
- Orifice Disk #D6 supplied with Gunjet Models #12, 18 & 143



No.	Mfg. No.	Length	Port	Material	Weight
SPPAA2-60	AA2	24"	FGHT	Brass	3½ lbs.
-	AA2-AL	24"	FGHT	Aluminum	1½ lbs.



No.	Mfg. No.	Length	Port	Material	Weight
SPPAA2A-60	AA2A	15"	FGHT	Brass	2½ lbs.
-	AA2A-AL	15"	FGHT	Aluminum	1 lb.



No.	Mfg. No.	Length	Port	Material	Weight
SPPAA12-6	AA12	20"	FGHT	Brass	1½ lbs.
SPPAA12-AL6	AA12-AL	20"	FGHT	Aluminum	¾ lb.



No.	Mfg. No.	Length	Port	Material	Weight
SPPAA12A-6	AA12A	15"	FGHT	Brass	1½ lbs.



No.	Mfg. No.	Length	Port	Material	Weight
-	AA18	20"	1/4"	Brass	1½ lbs.
SPPAA18-AL6	AA18-AL	20"	3/4"	Aluminum	1 lb.



No.	Mfg. No.	Length	Port	Material	Weight
SPPAA143-AL-GH-6	143-AL-GH	22-1/4"	FGHT	Aluminum	1½ lbs.

- Repair Kit for spray wand AA12 Aluminum Spray Gun.
- Extend the life of your spray wand.
- Includes tip gasket, core, seat plate and washer

Part No. **SPPPK-AB12-AL-KIT**

TWIST HANDLE ADJUSTABLE PATTERN SPRAY GUN



- Rotate handle to adjust spray from off to wide cone spray to straight stream
- Accepts disk type cone spray tips. #6 is standard.

No.	Port	Material	PSI	GPM
SPP5.901.30	1/2" MPT	Brass	700	5.3
SPP9.1305.8	Complete Nozzle			
SPP9.204.11	#5901.15 Whirl Plate Head			

GUNJET ORIFICE DISKS

Type AY-HSS16/240
Stainless Steel
Orifice Disks for Gunjet
Models 2, 2AL, 2A & 2AL-AL

No.	Mfg. No.
SPPAY-HSS16	AY-HSS16
SPPAY-HSS20	AY-HSS20
SPPAY-HSS70	AY-HSS70
SPPAY-HSS90	AY-HSS90



GUNJET NUMBER	ORIFICE DISC NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI			
			100 PSI		800 PSI	
			A	C	A	C
AA2-20	AY-SS 20	Capacity - GPM	.53	.90	1.5	2.5
		Max. Vert. Throw - ft.	—	25	—	33
		Max. Horiz. Throw - ft.	6	35	8	42
AA2-30	AY-SS 30	Capacity - GPM	.79	1.4	2.2	4.0
		Max. Vert. Throw - ft.	—	27	—	34
		Max. Horiz. Throw - ft.	7	38	9	45
AA2-45	AY-SS 45	Capacity - GPM	1.2	2.3	3.4	6.5
		Max. Vert. Throw - ft.	—	30	—	36
		Max. Horiz. Throw - ft.	8	41	9	48
AA2-60	AY-SS 60	Capacity - GPM	1.6	3.6	4.5	10
		Max. Vert. Throw - ft.	—	32	—	40
		Max. Horiz. Throw - ft.	9	44	10	52
AA2-90	AY-SS 90	Capacity - GPM	2.3	4.9	6.7	14
		Max. Vert. Throw - ft.	—	35	—	44
		Max. Horiz. Throw - ft.	10	47	12	57
AA2-120	AY-SS 120	Capacity - GPM	3.2	6.4	9.0	17
		Max. Vert. Throw - ft.	—	37	—	48
		Max. Horiz. Throw - ft.	11	49	13	62
AA2-180	AY-SS 180	Capacity - GPM	4.7	11	13	31
		Max. Vert. Throw - ft.	—	37	—	48
		Max. Horiz. Throw - ft.	12	49	14	62

GUNJET NUMBER	ORIFICE DISC NUMBER	PERFORMANCE	LIQUID PRESSURE IN PSI			
			100 PSI		800 PSI	
			A	C	A	C
AA143-AL-#-2	D2	Capacity - GPM	.36	.36	1.0	1.0
		Max. Vert. Throw - ft.	—	22	—	26
		Max. Horiz. Throw - ft.	10	33	11	35
AA143-AL-#-4	D4	Capacity - GPM	.82	.82	2.3	2.3
		Max. Vert. Throw - ft.	—	27	—	32
		Max. Horiz. Throw - ft.	10	36	11	40
AA143-AL-#-6	D6	Capacity - GPM	1.7	1.8	4.9	5.1
		Max. Vert. Throw - ft.	—	33	—	38
		Max. Horiz. Throw - ft.	10	46	11	54
AA143-AL-#-8	D8	Capacity - GPM	2.8	3.3	8.1	9.4
		Max. Vert. Throw - ft.	—	35.5	—	42
		Max. Horiz. Throw - ft.	10	54	11	60
AA143-AL-#-10	D10	Capacity - GPM	3.9	4.9	11.2	13.9
		Max. Vert. Throw - ft.	—	37.5	—	44.5
		Max. Horiz. Throw - ft.	10.5	55	12	62

*Inlet size 1/4" or GH.

MEDIUM HIGH / LOW PRESSURE GUN



Part No. SPP90.300.005

- Spot spraying or pressure washer applications to 1000 PSI
- Adjustable spray nozzle from fan to straight stream
- 18" wand length
- Heavy duty trigger spray gun
- Can be locked in spray or shut off position
- 3/8" FPT hose connection



AA30A-1/4



- Nylon handles and trigger guards
- Forged brass valve bodies
- Buna-N or Viton® stem seals
- Stainless steel working parts

No.	Mfg. No.	Inlet	PSI	GPM	Temp
SPPAA30A-1/4	AA30A-1/4	1/4" FPT	1500	5 GPM	200°F

AA30L-PP



- Polypropylene construction
- Polypropylene, stainless steel and Viton wetted parts

No.	Mfg. No.	Inlet	PSI	GPM
SPPAA30L-PP	AA30L-PP	1/4" FPT	150	5 GPM

AA30L-1/4



- Non-drop design - valve extends to end of extension for drip free shut off
- Accommodates all interchangeable tips
- Max. 5 GPM
- Max. 250 PSI
- Inlet 1/4" FPT
- Outlet 11/16" nozzle thread

No.	Mfg. No.	Ext.
SPPAA30L-1/4	AA30L-1/4	-
SPPAA30L-22425-18	AA30L-22425-18	18"
-	AA30L-22425-24	24"
SPPAA30L-22425-36	AA30L-22425-36	36"
-	AA30L-22425-48	48"
Repair Kit		
SPPPK-AB30L-PP-KIT	PK-AB30L-PP-KIT	

AA23L



- Valve extends to end of extension for drip free shut off
- Aluminum handle, brass extension
- Accommodates all interchangeable tips
- Max. 5 GPM
- Max. 250 PSI
- Inlet 1/4" MPT
- Outlet 11/16" nozzle thread

No.	Mfg. No.	Ext.
SPPAA23L	AA23L	-
SPPAA23L-7676-18	AA23L-7676-18	18"
SPPAA23L-7676-24	AA23L-7676-24	24"
SPPAA23L-7676-36	AA23L-7676-36	36"
SPPAA23L-7676-48	AA23L-7676-48	48"
Repair Kit		
-	PK-AB23L-PP-KIT	

MEDIUM RANGE TREE GUN



- Adjustable spray pattern from hollow cone to solid stream
- Max. 850 PSI
- Max. 13.2 GPM
- Inlet 1/2" MPT
- 2.3mm nozzle standard.
- Max. Throw 45.8 ft.
- Stainless steel and brass
- 1/2" BSP Inlet thread

No.	Mfg. No.	Length	Lbs.
SPP7.901.103	5.901.103	21"	3½

LONG RANGE TREE GUN



- Adjustable spray pattern from hollow cone to solid stream
- Max. 850 PSI
- Max. 29 GPM
- Inlet 1/2" MPT
- 2.3 mm nozzle standard
- Max. Throw 77 ft.
- Stainless steel and brass
- 1/2" BSP Inlet thread

No.	Mfg. No.	Length	Lbs.
SPP13.901.151	13.901.151	25"	3¾
SPP90.300.007	90.300.007	24"	3¾

36" GUN AND WAND ASSEMBLY



No.	Mfg. No.	Length
SPP75209	PP-719360	36"

SPRAY GUN ADJUSTABLE



No.	Mfg. No.	Length	Nozzle	Max GPM	Max LPM	Inlet Size
SPP3381-0010	3381-0010	17"	3mm	25	95	1/2" (13mm)
SPP3381-0011	3381-0011	21"	4mm	30	114	1/2" (13mm)

ADJUSTABLE WATER NOZZLES



- Adjustable head
 - 5 1/2" zinc alloy nozzle
 - Insulated handle
- Part No. SPPGHN**



- 6 way adjustable head
 - 5 1/2" zinc alloy nozzle
 - Insulated handle
- Part No. SPP90.300.011**



- Adjustable brass head
 - 5 1/2" zinc alloy nozzle
 - Insulated handle
- Part No. SPP90.300.010**



- Straight jet to 60° fan
 - 350 PSI Max.
 - 16 GPM
 - 100°F Max.
- Part No. SPP85.205.020**

BANJO 3/4" GARDEN HOSE SPRAY NOZZLE



- Heavy-duty machined aluminum construction
- Soft rubber comfort-grip
- Resists dents, mars and scratches
- Aluminum hose connection will not rust
- Multiple spray patterns from jet stream to fan
- Stainless steel spray cap for precise patterns

Part No. SPPGHN075

RUBBER WATER HOSE



Part No. SPPWHGL8-GRN-50

GREEN GARDEN HOSE

- 50 ft. 1/2" ID superflex hose
- Stays flexible at -40°C
- 150 PSI @ 70°F



BLACK GARDEN HOSE

- 50 ft. rolls.
- 200 PSI

No.	Size
SPPWH10BLK-50H	5/8"
SPPWH12BLK-50H	3/4"

GARDEN HOSE VALVES



3/4" "Y" BALL VALVE

FGHT x (2) MGHT

No.	Material
SPP5181	Nylon
SPP91.900.073	Brass



3/4" BALL VALVE

FGHT x MGHT

No.	Material
SPP5180	Nylon
SPP91.900.075	Heavy Duty Brass

GARDEN HOSE QUICK COUPLERS



No.	Description
SPP5185	3/4" FGHT x 3/4" Female Adapter
SPP5187	3/4" Female Coupler x 3/4" Male Adapter w/Shutoff
SPP5188	3/4" FGHT x 3/4" Male Adapter w/Timer

ADAPTERS

MGHT x HB



NYLON

No.	Size
SPP40-3414	3/4" x 1/4"
SPP40-3438	3/4" x 3/8"
SPP40-3412	3/4" x 1/2"
SPP40-3458	3/4" x 5/8"
SPP40-34	3/4" x 3/4"



POLY

No.	Size
SPP40-3438P	3/4" x 3/8"
SPP40-3412P	3/4" x 1/2"
SPP40-3458P	3/4" x 5/8"
SPP40-34P	3/4" x 3/4"



BRASS

No.	Size
SPP40-38B	3/4" x 3/8"
SPP40-12B	3/4" x 1/2"
SPP40-58B	3/4" x 5/8"
SPP40-34B	3/4" x 3/4"
SPP40-100B	1" x 1"

MGHT x FPT



NYLON

No.	Size
SPP43-14	3/4" x 1/4"
SPP43-12	3/4" x 1/2"
SPP43-34	3/4" x 3/4"



POLY

No.	Size
SPP43-14P	3/4" x 1/4"
SPP43-12P	3/4" x 1/2"
SPP43-34P	3/4" x 3/4"



BRASS

No.	Size
SPP43-14B	3/4" x 1/4"
SPP43-12B	3/4" x 1/2"
SPP43-34B	3/4" x 3/4"

FGHT x MGHT



NYLON

No.	Size
SPP47-34	3/4" x 3/4"



POLY

No.	Size
SPP47-34P	3/4" x 3/4"

FGHT x MPT



NYLON

No.	Size
SPP46-34	3/4" x 3/4"



POLY

No.	Size
SPP46-34P	3/4" x 3/4"



BRASS

No.	Size
SPP46-38B	3/4" x 3/8"
SPP46-12B	3/4" x 1/2"

WASHERS



GARDEN HOSE WASHER

No.	Size
SPPW406V	3/4" Washer

BRASS HOSE BARB SWIVEL



2" LONG HOSE BARB

No.	FGHT x HB
SPP90.900.046	3/4" x 3/8" x 2"
SPP90.900.021	3/4" x 1/2" x 2"
SPP90.900.034	3/4" x 3/4" x 2"

BRASS MGHT HOSE BARB



2" LONG HOSE BARB

No.	MGHT x HB
SPP90.900.019	3/4" x 3/8" x 2"
SPP90.900.047	3/4" x 1/2" x 2"
SPP90.900.048	3/4" x 3/4" x 2"

SWIVEL ADAPTERS

FPT / FGHT x HB



NYLON

No.	HB	Nut Req
SPP34-14	1/4"	3/4"
SPP34-38	3/8"	3/4"
SPP34-12	1/2"	3/4"
SPP34-58	5/8"	3/4"
SPP34-34	3/4"	3/4"
SPP34-100	1"	1"

Swivel Nuts

SPP36-34	3/4" FPT
SPP38-34	3/4" FGHT



POLY

No.	HB	Nut Req
SPPJG34-38P	3/8"	3/4"
SPP34-12P	1/2"	3/4"
SPP34-34P	3/4"	3/4"
SPP34-100P	1"	1"

Swivel Nuts

SPP36-34P	3/4" FPT
SPP38-34P	3/4" FGHT



POLY BALL SEAT

No.	HB	Nut Req
SPP65-14P	1/4"	1/4"
SPP65-1412P	1/4"	1/2"
SPP65-38P	3/8"	3/8"
SPP65-12P	1/2"	1/2"

Hex Nuts

SPP66-14P	1/4" FPT
SPP66-38P	3/8" FPT
SPP66-12P	1/2" FPT

ELBOWS



NYLON

MGHT x HB

No.	Size
SPP41-3438	3/4" x 3/8"
SPP41-3412	3/4" x 1/2"
SPP41-34	3/4" x 3/4"



POLY

MGHT x HB

No.	Size
SPP41-3414P	3/4" x 1/4"
SPP41-3412P	3/4" x 1/2"
SPP41-3458P	3/4" x 5/8"
SPP41-34P	3/4" x 3/4"

CAPS & PLUGS



POLY CAP

FGHT

No.	Size
SPP50-34P	3/4"



BRASS CAP

FGHT

No.	Size
SPP50-34B	3/4"



NYLON SWIVEL

No.	Size
SPP79115	1/2" MPT



BRASS

(Nut Included)

No.	FPT x HB
SPP72-38B	3/4" x 3/8"
SPP72-12B	3/4" x 1/2"
SPP72-34B	3/4" x 3/4"

No.	FGHT x HB
SPP70-38B	3/4" x 3/8"
SPP70-12B	3/4" x 1/2"
SPP70-58B	3/4" x 5/8"
SPP70-34B	3/4" x 3/4"



BRASS NUTS

No.	Size
SPP38-34B	3/4" FGHT Knurl

FGHT x MPT



BRASS

No.	Size
SPP60-38B	3/4" x 3/8"
SPP60-12B	3/4" x 1/2"

BANJO GARDEN HOSE FITTINGS

- Durable, rustproof polypropylene construction.
- Easily connects hose to spigot, sprinkler, nozzle or other hose end accessories.
- Never have to use pliers to tighten to prevent leaks.
- Quick and simple way to connect and disconnect your garden hose.
- Standard 3/4" opening diameter.
- Maximum operating pressure 225 psi
- Yellow fiberglass reinforced polypropylene.



GARDEN HOSE MALE THREAD

No.	Size
SPPGHMT075F	3/4"



GARDEN HOSE FEMALE THREAD

No.	Size
SPPGHFT075A	3/4"

NIPPLES

MGHT x MGHT



NYLON

No.	Size
SPP73639	3/4" x 3/4"



POLY

No.	Size
SPP48-34P	3/4" x 3/4"



BRASS

No.	Size
SPP48-34B	3/4" x 3/4"

MGHT x MPT



NYLON

No.	Size
SPP39-3438	3/4" x 3/8"
SPP39-3412	3/4" x 1/2"
SPP39-34	3/4" x 3/4"



POLY

No.	Size
SPP39-3438P	3/4" x 3/8"
SPP39-3412P	3/4" x 1/2"
SPP39-34P	3/4" x 3/4"



BRASS

No.	Size
SPP56-12B	3/4" x 1/2"
SPP56-34B	3/4" x 3/4"
SPP56-100B	3/4" x 1"

TEES

MGHT x HB



NYLON

No.	Size
SPP42-38	3/4" x 3/8"
SPP42-58	3/4" x 5/8"
SPP42-58	3/4" x 3/4"

COUPLINGS

FGHT x FPT



NYLON

No.	Size
SPP58-12	3/4" x 1/2"
SPP73526	3/4" x 3/4"



POLY

No.	Size
SPP58-12P	3/4" x 1/2"
SPP58-34P	3/4" x 3/4"



BRASS

No.	Size
SPP58-14B	3/4" x 1/4"
SPP58-38B	3/4" x 3/8"
SPP58-12B	3/4" x 1/2"
SPP198-E	3/4" x 3/4"



BRASS SWIVEL

No.	Size
SPP49-12B	3/4" x 1/2"
SPP49-34B	3/4" x 3/4"

FGHT x FGHT



BRASS

No.	Size
SPP67-34B	3/4" x 3/4"



BRASS SWIVEL

No.	Size
SPP55-34B	3/4" x 3/4"



"Y" COUPLING

FGHT x (2) MGHT

No.	Size
SPP61-34B	3/4" x 3/4" x 3/4"

HOT WATER PRESSURE WASHER



Pump Style Triplex
Unloader External
Series Commercial
Engine Honda GX390
Pump General
CC 389
PSI 4,000
GPM 4.01750 RPM

- Heating coil is ignited by a 12v Becker that is fueled with diesel.
- The burner can be turned off and controlled with the adjustable thermostat that can be set up to 93°/200°F with output of 330,000 BTU.
- Commercial grade accessories included are a 50 foot high-pressure hose, spray gun wand assembly, and five spray nozzles.
- Powder coated steel frame with four 13" flat free tires
- A lift point is built into the frame to allow the use of a crane to lift it onto a truck or trailer.
- Frame includes mounting brackets for quick installation onto trucks or trailers by removing the wheels.

ELECTRIC START - Part No. SPPHW4013HG

GAS POWERED PRESSURE WASHER

PURE POWER

- General purpose pressure washer tackles household projects, such as siding, driveways, fencing, vehicles and more.
- Reliable Pure Power engine can be depended on for extended use.
- Pressure pump is maintenance free, equipped with a built-in soap injector, and delivers excellent performance in a compact design.
- Accessories include 25' hose, 36" gun wand assembly, spray nozzles so that it can be used right out of the box.
- Powder coated steel frame with 10" flat free tires easily handles going over rough terrain.
- Built-in soap container allows for quick and easy use of the soap system.
- Extra storage slots are built into the frame to accommodate additional accessories.



Part No. PURPP277RX

Part Number	Description	Weight
PURPP277RX	Pressure Washer, 2,700 psi, 212 cc	80 lbs.

ENGINE

MODEL: PURE POWER
TYPE: AIR COOLED, 4-STROKE OHV
DISPLACEMENT: 212CC
FUEL TYPE: 86 OCTANE, UP TO 10% ETHANOL
OIL TYPE: SAE 10W30
CERTIFICATIONS: EPA III AND CALI CARB

PUMP

MODEL: AR RMV25G24
TYPE: AXIAL
OIL TYPE: SEALED
SOAP SYSTEM: FIXED INJECTOR
UNLOADER: BUILT-IN
CONNECTIONS: M22

ACCESSORIES INCLUDED

HOSE: 25' x 1/4" THERMOPLASTIC
NOZZLES: 40° AND SOAPER
SPRAY GUN: 36" SPLIT LANCE
FITTINGS: M22

FRAME

TYPE: POWDER COATED STEEL FRAME
WHEELS: 10" FLAT FREE
STORAGE: UP TO 5 SPRAY NOZZLES
 ROTARY NOZZLE
 HOSE
 SPRAY GUN
 SOAP CONTAINER

BOXED SIZE

LxWxH: 21" x 24" x 23"
WEIGHT: 80 LBS

UNIT SIZE



UNIT WEIGHT: 75 LBS

WARRANTY

ENGINE: 2 YEARS
PUMP: 1 YEAR
ACCESSORIES: 90 DAYS
UPC: 777987341852

WALL MOUNTED PRESSURE WASHER



- 1.5HP Electric Motor 110V
- 1750 RPM
- 1500 PSI Max.
- 1.6 GPM Max.
- 13.2 Amps
- Triplex pump
- 50 ft. steel braided hose
- 36" Spray Gun & Lance
- Low pressure chemical injector
- Wall-mounted Powder Coated Steel Frame
- Automatic Start/Stop System
- Includes GFCI



WALL MOUNTED POWDER COATED STEEL FRAME



50' HOSE REEL FOR NEAT UP-OFF-THE-FLOOR STORAGE



POWEEASE 1.5HP MOTOR



BE TRIPLEX PUMP

Unit includes mounting bolts. Slots are spaced 16" apart to line up with studs



Unit can be removed from wall mount with 4 quick release bolts to become a portable washer.

Integrated soap tank



Part No. SPPP1515EPNW

ELECTRIC PRESSURE WASHERS



- Motor** 1.5HP AR Electric Motor 110V
- Pump** BE Triplex
- GPM** 1.6
- PSI** 1500
- Amps** 13.2
- 1750 RPM
- 25 ft. steel braided hose
- Spray gun & lance
- Low pressure chemical injector
- Powder coated frame
- Automatic start / stop system

1.5 HP PACK AROUND - Part No. SPPP1515EPN

SOAP DETERGENTS



1 GALLON

No.	Description
SPP85.490.051	House & Siding

ACCESSORIES



1 GALLON DETERGENT HOLDER
Part No. SPP85.601.010

1 LITRE PUMP OIL
Part No. SPP85.490.000

ATTACHMENTS



FOAM LANCE
Part No. SPP85.490.047

- Combines high pressure water flow mixed with detergent and air to produce foam
- 3650 PSI Max
- Stainless steel 1.2mm nozzle
- 1L chemical container
- Adjustable flow control



12" WHIRL-A-WAY
Part No. SPP85.403.014

- 3000 PSI Max
- 8 GPM Max
- 140°F Max



PUMP SAVER ANTI-FREEZE
Part No. SPP85.490.046

CHEMICAL SUCTION FILTER



- Filters out abrasives found in chemicals and cleaning agents
- 1/4" hose barb

No.	Description
SPP85.300.051	Grey w/ Check Valve

WATER INLET FILTER KIT



- 5" housing
- 25 micron filter
- Mounting bracket
- Spanner wrench
- Weight 2.85 lbs

No.	Description
SPP85.300.059	Complete Unit

PRESSURE SWITCH



- Activates at 580 PSI
- Max. 4100 PSI
- Max. Temp. 200°F
- Voltage 12-250
- Max. Amps 15
- 1/4" MPT

No.	Mfg. No.	Vac-On
SPP85.300.082	2510-0029	12-250V

COX HAND CRANK REEL



- Hand crank reel
- 1/2" Inlet / Outlet
- Holds 450 ft of 3/8", 325 ft of 1/2"
- 3000 PSI

PART NO. SPF5274304

COX 12 VOLT ELECTRIC REEL



- 12 Volt electric reel (gear driven)
- 26 Amps
- 1/2" Inlet / Outlet
- Holds 450 ft of 3/8", 325 ft of 1/2"
- 3000 PSI

PART NO. SPF5274305

* Roller hose guide not available

LOW PRESSURE CHEMICAL KIT



- Placed on outlet side
- Siphoning design aids cleaning by drawing out chemicals or soap
- For use with low pressure nozzles
- Flow: 3 - 5 GPM

No.	Description
SPP85.400.001	Kit as illustrated

HIGH PRESSURE CHEMICAL KIT



- Placed on inlet side
- Used to provide soap discharge at pressure washers max pressure
- Max. 3500 PSI
- Max. 180°F
- Max. 8 GPM

No.	Description
SPP85.400.003	Kit as illustrated

CHEMICAL HOSE ASSEMBLY



- Filter included

No.	Description
SPP85.400.005	3' Assembly
SPP85.400.013	4' Assembly
SPP85.400.006	6' Assembly

PULSATION DAMPENERS CHECKER



Used to test the charge pressure in pulsation dampeners. The proper charge will ensure maximum life and performance of pressure systems.

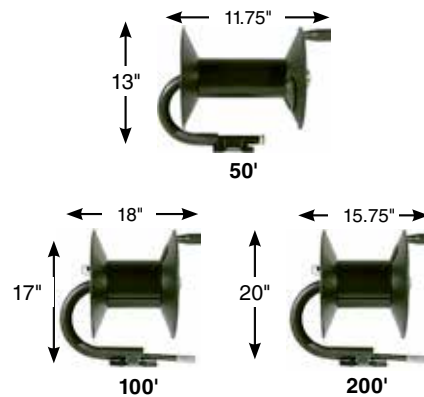
- Max. PSI: 2000
- 5/16" 32 UNEF (F) connection thread

No.	Mfg. No.
SPP2642-0001	2642-0001

HEAVY DUTY PRESSURE WASHER HOSE REELS

- Max. 3000 PSI
- Max. 160°F
- Hose size 3/8"

HEAVY DUTY PRESSURE WASHER HOSE REELS



No.	Max Hose	Max Height	Max Width
SPP85.402.050	50'	13"	11.75"
SPP85.402.001	100'	17"	18"
SPP85.402.002	200'	20"	15.75"

PRESSURE WASHERS & ACCESSORIES

**HOT/COLD WATER
SINGLE BRAID HOSE ASSEMBLY**



- Max. 4000 PSI
- Max. 310°F
- 3/8" Black hose
- Crimped on 3/8" MPT ends
- Quick couplers included with selected assemblies

No.	Length	Coupler
SPP85.238.133	30'	Brass QC
SPP85.238.151	50'	Brass QC
SPP85.238.176	75'	Brass QC
SPP85.238.111	100'	Brass QC
Non-Marking		
SPP85.238.155BLUE	50'	Brass QC
SPP85.238.154	50'	-
SPP85.238.155	50'	Brass QC

**HOT/COLD WATER
DOUBLE BRAID HOSE ASSEMBLY**



- Max. 6000 PSI
- Max. 310°F
- 3/8" Black hose
- Crimped on 3/8" MPT ends
- Quick couplers included in price of selected assemblies

No.	Length	Coupler
SPP85.238.251	50'	SS QC
SPP85.238.211	100'	SS QC
Non-Marking		
SPP85.238.255	50'	SS QC

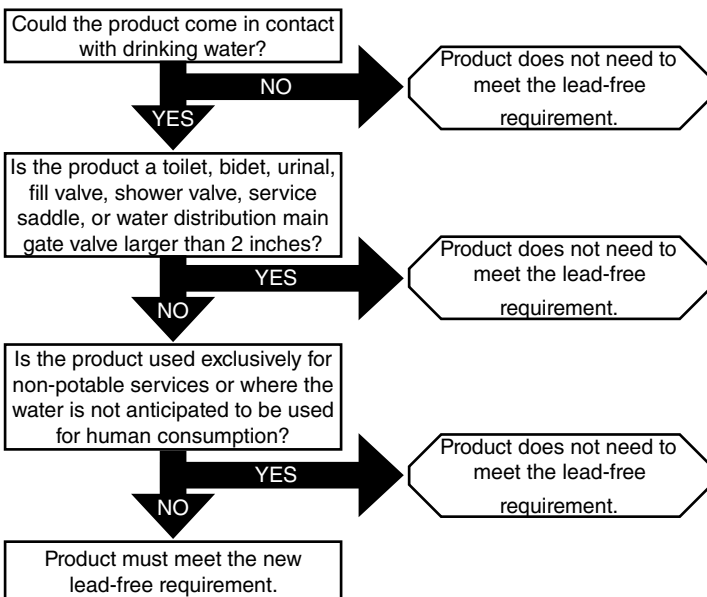
**LOW LEAD REQUIREMENTS
FOR POTABLE PLUMBING PRODUCTS IN CANADA**

Canada is moving forward with new standards for the level of lead allowed in plumbing products that are used in potable water applications. The new regulation significantly reduces the current allowable level of lead content from that content which complies with the industry standard (NSF 61) or 8% dependent on product, down to no more than a weighted average lead content of 0.25% on wetted surfaces when evaluated for pipes, valves, pipe fittings, and plumbing fittings, anticipated to convey or dispense water for human consumption through drinking or cooking.

Regulators, legislators and Health Canada plan to approach the issue through the national system of plumbing codes that can be adopted and enforced provincially/territorially through the recognized network of plumbing and health inspections. Health Canada has been an active participant on the development of the Standards and the integration of these standards into the Canadian model National Plumbing Code. The Canada Consumer Products Safety Act (CCPSA) which came into force July 2010 may allow Health Canada to pull non-conforming product from the market.

These changes are effective January 4, 2014

By using the flowchart below as a guide, you can determine if a product must meet the new lead-free requirement:



At the time of publication of this catalogue there are still unanswered questions as to adoption and enforcement of this new regulation amongst plumbing and health inspectors. We have done our best in this catalogue to identify those products that meet the new "lead-free" definition, though our manufacturers are still in the process of making compliant, lead-free products available to us.

Because we traditionally service the agricultural market we will continue to carry product lines not classed as lead-free as they are used in applications not relating to potable water.

We ask that when placing orders, please state the end use of the product and if it is required to be lead-free. Our team will advise you if the product is compliant with new regulations.

As mentioned, much is still unresolved. We will do our best to keep our customers informed on this issue. Current information is available through the CIPH website.

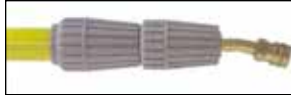
Call for information if part numbers are not listed (-)

1-888-937-7278



TELESCOPING LONG WANDS

- Clean buildings / equipment up to 30' from ground level
- Solid brass quick connect coupler on standard models
- Solid brass with stainless steel sleeve quick connect coupler on Heavy Duty models
- Spray nozzles not included.



STANDARD

- Max Pressure: 3000 PSI
- Max Flow 6.0 GPM
- Max Temp. 200°F

No.	Length	Hose
SPP85.206.018L	6'6" to 18'	1/4"
SPP85.206.024L	6'6" to 24'	1/4"

SUPER HEAVY DUTY

- Max Pressure: 4000 PSI
- Max Flow 8.0 GPM
- Max Temp. 200°F

No.	Length	Hose
SPP85.205.024ALSHD	6'6" to 24'	1/4"

HIGH VOLUME GUN

- Max. 5000 PSI
- Max. 12 GPM
- Max. Temp: 300°F
- Safety Trigger Lock
- Rear Entry
- Insulated Handle
- Weight 19 oz.



No.	Ports FPT		Type
	Hose	Wand	
SPP85.202.109	3/8"	1/4"	Non-Weep

BE POWER ZINC PLATED SINGLE LANCE (STRAIGHT)



- Insulated Handle
- Ports: 1/4" MPT
- Max. 3600 PSI
- Zinc Plated Steel
- Max. Temp: 300°F

No.	Length
SPP85.202.026	36"
SPP85.202.027	47"



PRESSURE WASHER LANCE HANDLES

- Fits all standard lances
- For better direction control

No.	Description
SPP85.202.045	Slips over lance



FOAM LANCE

- 3650 PSI Max
- Stainless steel 1.2mm nozzle
- 1L chemical container
- Adjustable flow control

Part No. SPP85.490.047

ANTI-FATIGUE SUTTNER ST-2605

- Relax action trigger
- Max. 5000 PSI
- Max. 12 GPM
- Max. Temp: 300° F
- Safety Trigger Lock
- Weight 20 oz.



No.	Ports FPT	
	Hose	Wand
SPP85.202.020	3/8"	1/4"
SPP85.202.020	Repair Kit	

HYPRO ADJUSTABLE PATTERN SPRAY GUN



- Max PSI 1200
- Inlet Size 1/2"

No.	Length	Nozzle
SPP3381-0011	21"	4 mm



HYPRO ADJUSTABLE PATTERN SPRAY GUN

- Max PSI 700
- Inlet Size 1/2"

No.	Length	Nozzle
SPP3381-0013	7"	3 mm

USING THE RIGHT TIPS

A pressure washer is big and bulky but it does nothing more than pack a lot of water into a wand or an outlet. Without the right kind of spray heads, your pressure washer is really of no use. It will have a single setting that won't be effective in all kinds of applications. However, with the 5 universal color coded tips, you can actually alter the pressure, spray pattern and application based on your requirement. Each of the 5 tips produces a different pattern of spray and pressure that makes it suitable for varied cleaning purposes. Here we introduce the 5 universal tips as well as give an additional tip that you can purchase.

The Red Tip

A red tip produces a 0 degree highly concentrated spray that is very powerful even on a commercial grade inexpensive pressure washer. With this tip you must be mighty careful as it has enough pressure to damage sensitive or fragile surfaces. They are best used to clean concrete and metallic surfaces off caked grime and dirt. Ensure that you do not use this tip close up to the surface. It can even scratch metallic surfaces such as those found on grills and cars.

The Yellow Tip

A yellow spray tip throws water in a 15 degree spray pattern. This is excellent for heavy duty cleaning. It works well with concrete, garage floor, walls and even roofs and drains. However, for detergent based or chemical based cleaning, this is not the most suitable tip as it can cause the chemicals to embed deep within the material's cracks and crevices.

The Green Tip

A Green tip uses a 25 degree spray pattern that is most suitable for cleaning decks, walkways, brick patios and even furniture. Cleaning a boat or ship with chemicals or washing cars with detergent requires a green tip as it produces just the right amount of GPM and PSI required for the job.

The White Tip

A white tip is also called a 40 degree tip because it produces a spray pattern of 40 degrees. This tip is most suitable to clean delicate surfaces such as stucco walls, home sidings and glossy surfaces. It does not produce a lot of pressure but has got the requisite water flow to get the job done. The White tip can be used with just about any kind of surface and with any pressure washer.

The Black Tip

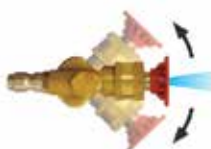
A black tip generates a spray pattern of 65 degrees and it covers the most area with a very gentle stream. This tip is not suitable for cleaning purposes rather it is used to wet surfaces to apply chemicals or detergents.

A Pivoting Nozzle

With hard to reach surfaces such as soffits, under the deck, gutters and wheel wells, cleaning using any of the 5 universal tips is a hard task as the wand cannot bend enough and yet maintain the same pressure. A pivoting nozzle however lets you access such regions with ease.

A pivoting nozzle wand makes use of all the 5 universal tips but the wand itself can bend at the front in either direction up to 90 degrees. This lets you access deep crevices, cracks and hidden areas with ease while using any of the universal tips. A pivoting nozzle wand never comes as part of a pressure washer kit, you have to purchase this attachment separately.

PIVOT COUPLER



- Adjustable high pressure coupler for end of wand
- Max. 4000 PSI
- Nozzle not included

Part No. SPP85.300.172

WASHER NOZZLES

- 1000-5000 operating pressure
- 0° to 65° flat spray pattern
- Precision machined for accurate flow rates
- Hardened stainless steel construction
- QCMEG nozzles feature color coded protective nozzle guards



MEG

1/4" MPT Spray Nozzles

Size	GPM @ PSI				
	0°	15°	25°	40°	1000 2000 3000 4000 5000
020	SPP85.200.020	SPP85.215.020	SPP85.225.020	SPP85.240.020	1.00 1.41 1.73 2.00 2.24
025	SPP85.200.025	-	SPP85.225.025	SPP85.240.025	1.25 1.77 2.17 2.50 2.80
030	SPP85.200.030	SPP85.215.030	SPP85.225.030	SPP85.240.030	1.50 2.12 2.60 3.00 3.35
035	-	SPP85.215.035	-	SPP85.240.035	1.75 2.47 3.03 3.50 3.91
040	SPP85.200.040	-	SPP85.225.040	SPP85.240.040	2.00 2.83 3.46 4.00 4.47
045	-	SPP85.215.045	SPP85.225.045	SPP85.240.045	2.25 3.18 3.90 4.50 5.03
050	SPP85.200.050	SPP85.215.050	SPP85.225.050	SPP85.240.050	2.50 3.54 4.33 5.00 5.59
055	SPP85.200.055	SPP85.215.055	-	SPP85.240.055	2.75 3.89 4.76 5.50 6.15
060	SPP85.200.060	SPP85.215.060	-	SPP85.240.060	3.00 4.24 5.20 6.00 6.71
065	-	SPP85.215.065	SPP85.225.065	SPP85.240.065	3.25 4.60 5.63 6.50 7.27
070	SPP85.200.070	-	SPP85.225.070	SPP85.240.070	3.50 4.95 6.06 7.00 7.83
075	SPP85.200.075	SPP85.215.075	SPP85.225.075	-	3.75 5.30 6.50 7.50 8.39
080	SPP85.200.080	SPP85.215.080	SPP85.225.080	SPP85.240.080	4.00 5.66 6.93 8.00 8.94
085	SPP85.200.085	-	SPP85.225.085	SPP85.240.085	4.25 6.01 7.36 8.50 9.50
090	SPP85.200.090	SPP85.215.090	-	SPP85.240.090	4.50 6.36 7.79 9.00 10.06

SPP85.240.300

40° MEG Soaper Nozzle



QCMEG

1/4" Quick Connect Spray Nozzles

No.	GPM @ PSI				
	0° Red	15° Yellow	25° Green	40° White	1000 2000 3000 4000 5000
020	SPP85.201.020	SPP85.216.020	SPP85.226.020	SPP85.241.020	1.00 1.41 1.73 2.00 2.24
025	SPP85.201.025	SPP85.216.025	SPP85.226.025	SPP85.241.025	1.25 1.77 2.17 2.50 2.80
030	SPP85.201.030	SPP85.216.030	SPP85.226.030	SPP85.241.030	1.50 2.12 2.60 3.00 3.35
035	SPP85.201.035	SPP85.216.035	SPP85.226.035	SPP85.241.035	1.75 2.47 3.03 3.50 3.91
040	SPP85.201.040	SPP85.216.040	SPP85.226.040	SPP85.241.040	2.00 2.83 3.46 4.00 4.47
045	SPP85.201.045	SPP85.216.045	SPP85.226.045	SPP85.241.045	2.25 3.18 3.90 4.50 5.03
050	SPP85.201.050	SPP85.216.050	SPP85.226.050	SPP85.241.050	2.50 3.54 4.33 5.00 5.59
055	SPP85.201.055	SPP85.216.055	-	SPP85.241.055	2.75 3.89 4.76 5.50 6.15
060	SPP85.201.060	SPP85.216.060	SPP85.226.060	SPP85.241.060	3.00 4.24 5.20 6.00 6.71
065	-	SPP85.216.065	SPP85.226.065	-	3.25 4.60 5.63 6.50 7.27
070	-	SPP85.216.070	SPP85.226.070	SPP85.241.070	3.50 4.95 6.06 7.00 7.83
075	-	-	-	-	3.75 5.30 6.50 7.50 8.39
080	SPP85.201.080	SPP85.216.080	SPP85.226.080	SPP85.241.080	4.00 5.66 6.93 8.00 8.94
085	-	SPP85.216.085	-	SPP85.241.085	4.25 6.01 7.36 8.50 9.50
090	SPP85.201.090	-	-	SPP85.241.090	4.50 6.36 7.79 9.00 10.06

SPP85.266.400

65° QCMEG Brass Soaper

HII/LOW VARIABLE FAN NOZZLES



- Max. temp: 300°F
- Max. pressure: 3000 PSI
- 1/4" FPT Inlet
- Variable fan pattern, 0° to 80° fan
- Push/pull for pressure adjustment
- Twist for fan adjustment

No.	Nozzle No.	Orifice Diam.		Nozzle Capacity (U.S. GPM) At Pump Pressure (PSI)											
		mm	inches	PSI											
SPP3324-2001.4	5.3	1.40	.055	600	700	800	900	1000	1200	1500	1800	2000	2500	3000	
				2.09	2.23	2.37	2.50	2.63	2.89	3.23	3.55	3.74	4.16	4.49	

NOTE: Capacity figures shown are representative with water at 70°F
There may be variations due to power supply, temperature, viscosity, additives, etc.

SPRING LOADED ROTARY NOZZLE

PART NO. SPP85.210.140



- Can be started in any position
- Circular spray pattern maximizes pressure & impact
- Max. 5100 PSI
- Max. 110°F
- Max. 9 GPM
- 1/4" Quick Connect Inlet

SMALL ROTARY NOZZLE ASSEMBLY



- Inline high pressure filter
- Max. 3000 PSI
- Ceramic nozzle
- Max. 110°F
- Weight .90 lbs
- Max. 4 GPM
- Inlet 1/4" Male QC

No.	Description
SPP85.210.140	Assembly
SPP85.211.005	Repair Kit

MEDIUM ROTARY NOZZLE ASSEMBLY



- Inline high pressure filter
- Max. 4000 PSI
- Ceramic nozzle
- Max. 110°F
- Weight 1.08 lbs
- Max. flow 4 GPM
- Inlet 1/4" Male QC

No.	Description
SPP85.210.140	Assembly

INLINE WATER FILTER FOR ROTARY NOZZLE



- Increases the working life of the rotary nozzle
- Can be cleaned and reused
- Max. PSI: 5000
- Max. Flow: 8 GPM
- Max. Temp: 212°F

No.	In	Out
SPP85.211.006	1/4" FPT	1/4" MPT
SPP85.211.007	1/4" Insert	1/4" MPT

LARGE ROTARY NOZZLE ASSEMBLY



- Inline high pressure filter
- Max 5000 PSI
- Ceramic nozzle
- Max. 110°F
- Weight 1.78 lbs
- Max flow 4.5 GPM
- Inlet 1/4" QC

No.	Description
SPP85.210.145	Assembly

1/4" FPT DRAIN CLEANING NOZZLE



Built with one front facing jet and three rear facing jets to effectively clear clogged drain pipes.

- Max. 4000 PSI
- Max. Temp: 300°F

No.	Orifice
SPP85.210.248	0.45
SPP85.210.258	0.65



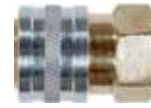
BRASS FEMALE QUICK-CONNECT COUPLER

No.	Coupler x FPT
SPP85.300.183	1/8" x 1/8"
SPP85.300.102	1/4" x 1/4"
SPP85.300.103	3/8" x 3/8"
SPP85.300.153	1/2" x 1/2"



STAINLESS STEEL FEMALE QUICK-CONNECT COUPLER

No.	Coupler x FPT
SPP85.300.102S	1/4" x 1/4"
SPP76851	3/8" x 3/8"
SPP76859	1/2" x 1/2"



**BRASS FEMALE QUICK-CONNECT COUPLER
STAINLESS STEEL SLEEVE**

No.	Coupler x FPT
SPP85.300.114	1/4" x 1/4"
SPP85.300.115	3/8" x 3/8"



BRASS MALE QUICK-CONNECT COUPLER

No.	Coupler x MPT
SPP85.300.187	1/8" x 1/8"
SPP85.300.107	1/4" x 1/4"
SPP85.300.108	3/8" x 3/8"
SPP85.300.152	1/2" x 1/2"



STAINLESS STEEL MALE QUICK-CONNECT COUPLER

No.	Coupler x MPT
SPP85.300.107S	1/4" x 1/4"
SPP85.300.108S	3/8" x 3/8"
SPP85.300.152S	1/2" x 1/2"



**SCREW TYPE "Q/C" FITTING
Fits Karcher**

No.	MM x Pitch	FPT
SPP85.300.124	M22 x 1-1/2P	1/4"
SPP85.300.125	M22 x 1-1/2P	3/8"



FEMALE PLUG BRASS

No.	FPT x Insert
SPP85.300.101B	1/4" x 1/4"
SPPQD-BSTN8-8F	1/2" x 1/2"



MALE PLUG BRASS

No.	MPT x Insert
SPP85.300.105B	3/8" x 3/8"
SPPQD-BSTN8-8M	1/2" x 1/2"



**SCREW TYPE "Q/C" FITTING
Fits Karcher**

No.	MM x Pitch	MPT
SPP85.300.135	M22 x 1-1/2P	1/4"
SPP85.300.136	M22 x 1-1/2P	3/8"



FEMALE PLUG PLATED STEEL

No.	FPT x Insert
SPP85.300.101	1/4" x 1/4"
SPP85.300.104	3/8" x 3/8"
SPP85.300.151	1/2" x 1/2"



MALE PLUG PLATED STEEL

No.	MPT x Insert
SPP85.300.185H	1/8" x 1/8"
SPP85.300.109	1/4" x 1/4"
SPP85.300.105	3/8" x 3/8"
SPP85.300.150	1/2" x 1/2"



**SCREW TYPE DISCONNECT FITTING
Fits Karcher**

No.	MM x Pitch	FPT
SPP85.300.126	M22 x 1-1/2P	1/4"
SPP85.300.127	M22 x 1-1/2P	3/8"



FEMALE PLUG STAINLESS STEEL

No.	FPT x Insert
SPP85.300.101S	1/4" x 1/4"
SPP85.300.104S	3/8" x 3/8"
SPP76852	1/2" x 1/2"



MALE PLUG STAINLESS STEEL

No.	MPT x Insert
SPP85.300.109S	1/4" x 1/4"
SPP85.300.105SS	3/8" x 3/8"
SPP85.300.150S	1/2" x 1/2"



**SCREW TYPE DISCONNECT FITTING
Fits Karcher**

No.	MM x Pitch	MPT
SPP85.300.132	M22 x 1-1/2P	1/4"
SPP85.300.133	M22 x 1-1/2P	3/8"



**INSULATED KNOB
Fits Karcher**

No.	MM x MM
SPP85.300.146	M22F x M22F



**INSULATED KNOB x STEEL PLUG
Fits Karcher**

No.	MM x Plug
SPP85.300.142	M22 x 3/8" Q/C



3/8" FEMALE BRASS COUPLER

No.	Coupler x FPT
SPP78119	3/8" x 3/8"

No.	Description
SPP78118	1/4" FNPT Plated Brass Coupler

UNLOADER VALVES



NYLON SWIVEL

Max. 150 PSI

No.	MGHT x HB
SPP25990-GGH-NYB	3/4" x 1/2"



STAINLESS STEEL HIGH PRESSURE SWIVEL

- Max. 4000 PSI
- Max. 200°F
- Buna-N Seal

No.	MPT x FPT
SPP85.300.113	1/4" x 1/4"
SPP85.300.112	3/8" x 3/8"



BRASS HIGH PRESSURE SWIVEL

- Max. 4000 PSI
- Max. 200°F
- Buna-N Seal

No.	MPT x FPT
SPP85.300.111	1/4" x 1/4"
SPP85.300.110	3/8" x 3/8"



ROLL OVER NOZZLE

- Max. 3000 PSI
- 1/4" FPT Ports
- Max. 7 GPM
- Stainless steel
- Weight .36 lbs

No.	Ports
SPP78161	1/4" FPT



BRASS MALE GARDEN HOSE TO PLUG

No.	MGHT x Plug
SPP85.300.137	3/4" x 1/2"



BRASS HEX GARDEN HOSE ADAPTER ASSEMBLY

- SS #60 Mesh filter
- 1/4" port

No.	FGHT x MPT
SPP85.300.128	3/4" x 3/8"



QUICK CONNECT O-RINGS

No.	Size
SPP85.309.102V	1.4"



GAUGE KIT

- Check system performance
- Install on pump outlet
- Max. 5000 PSI
- 3/8" Q/C Plug
- 3/8" Q/C Socket

No.	Coupler	Plug
SPP85.305.001	3/8"	3/8"



3/4" FEMALE GARDEN HOSE RIGID COUPLER

No.	FGHT x Coupler
SPP85.300.138	3/4" x 1/2"



THERMAL VALVE

- Max. 125 PSI
- Max. 145°F
- Max. 25 GPM
- Inlet 3/8" MPT
- Weight .10 lbs

No.	Type	Size
SPP85.300.023	90°	3/8"
SPP85.300.024	90°	1/2"



SAFETY RELIEF VALVE

- Max 6000 PSI
- Max. 195°F
- Max. 6 GPM
- Inlet 3/8" MPT
- Weight .30 lbs

No.	Relief Valve
SPP85.300.042	Inlet 3/8" MNPT



PIVOT COUPLER

- Adjustable high pressure coupler for end of wand
- Max. 4000 PSI
- Nozzle not included

Part No. SPP85.300.172



MV540 UNLOADER

- Max 2000 PSI
- Max 200°F
- Max 8 GPM
- Ports 3/8" MPT
- Bypass 3/8" FPT
- Weight .90 lbs

No.	Description
SPP85.300.003	Unloader
-	Repair Kit
SPP119740010	Black Handle



MV550 UNLOADER

- Max 3500 PSI
- Max 200°F
- Max 7.8 GPM
- Ports 3/8" FPT
- Bypass 3/8" FPT
- Weight 1.65 lbs

No.	Description
SPPAL607	Unloader

MV595/B "E-Z START" UNLOADER



- Built-in thermal valve (145°F) and safety valve
- Max 4000 PSI
- Max 140°F
- Max 8 GPM
- Ports 3/8" MPT
- Bypass 1/4" FPT
- Weight 2.4 lbs

No.	Description
SPP85.300.037	MV595 Valve (FPT)
SPP85.300.012	MV595B Valve (MPT)
SPP85.301.005	Repair Kit



HYPRO UNLOADER

- 200-1500 PSI
- Max 8 GPM
- 3/8" MPT
- Buna-N cup
- 200°F

No.	Mfg. No.	PSI
SPP3390-0063D	3390-0063D	200-600



HYPRO UNLOADER

- 3000 PSI
- 8 GPM Unloader
- 1/2" MPT Inlet
- 3/8" MPT Inlet

No.	Mfg. No.	PSI
SPP3390-0083	3390-0083D	3000

PRESSURE WASHERS & ACCESSORIES

1/2" & 3/4" TEEJET STRAINERS



COMPACT POLY STRAINER

- Poly head & bowl
- Screen size 2 3/4" x 1 3/8"
- EPDM O-ring
- Max. 150 PSI
- Max. 100°F

No.	FPT	Description
SPPAA122-1/2-PP	1/2"	Poly Strainer (less screen)
SPPAA122-1/2-PP-16	1/2"	Poly Strainer (less screen)
SPPAA122-1/2-PP-30	1/2"	Poly Strainer (30 Mesh Screen)
SPPAA122ML-1/2-PP-30	1/2"	Poly Strainer (30 Mesh Screen)
SPPAA122-1/2-PP-50	1/2"	Poly Strainer (50 Mesh Screen)
SPPAA122-1/2-PP-80	1/2"	Poly Strainer (80 Mesh Screen)
SPPAA122-3/4-PP-50	3/4"	Poly Strainer (less screen)
SPPAA122-3/4-PP-80	3/4"	Poly Strainer (80 Mesh Screen)
SPPAA122ML-3/4-PP-80	3/4"	Poly Strainer (80 Mesh Screen)
SPPAA122-3/4-PP-100	3/4"	Poly Strainer (100 Mesh Screen)
SPPAA122-3/4-PP-200	3/4"	Poly Strainer (200 Mesh Screen)

1/2" & 3/4" PARTS

No.	Description
SPPCP23174-1-304SS	16 Mesh Screen
SPPCP23174-2-304SS	30 Mesh Screen
SPPCP45102-3-SSPP	50 Mesh Screen
SPPCP45102-4-SSPP	80 Mesh Screen
SPPCP45102-5-SSPP	100 Mesh Screen
SPPCP23174-7-304SS	200 Mesh Screen
SPPCP23171-3/4-PP	3/4" Poly Head
SPPCP23173-EPR	EPDM Gasket
SPPCP23172-PP	Polyprop. Bowl

3/4" & 1" TEEJET STRAINERS



POLY

- Poly head & bowl
- Screen size 5 3/4" x 1 3/8"
- EPDM O-ring
- Max. 200 PSI
- Max. 100°F

No.	FPT	Description
SPP50490-1-126ML-3	3/4"	Poly Strainer (less screen)
SPP50490-1-126ML-4	1"	Poly Strainer (less screen)
SPP50490-1-126ML-F50	F50 Poly Flange Strainer (less screen)	

3/4" & 1" STRAINER PARTS

No.	Description
SPPCP16903-1-SSPP	16 Mesh Screen
SPPCP16903-2-SSPP	20 Mesh Screen
SPPCP16903-3-SSPP	30 Mesh Screen
SPPCP16903-4-SSPP	50 Mesh Screen
SPPCP16903-5-SSPP	80 Mesh Screen
SPPCP16903-6-SSPP	100 Mesh Screen
SPPCP16903-7-SSPP	200 Mesh Screen
SPPCP50492-1-PP	1" Nylon Head
-	3/4" Aluminum Head
SPPCP48655-PP	Flush Cap
SPPCP63150-EPR	Flush Cap Gasket
SPP2-226/E70	EPDM O-ring
SPPCP50494-EPR	Gasket
SPPCP50493-PP	Poly Bowl

1 1/4" & 1 1/2" TEEJET STRAINERS



NYLON

- Nylon head & bowl
- Screen size 7 7/8" x 2 1/4"
- EPDM O-ring
- Max. 200 PSI
- Max. 100°F

No.	FPT	Description
SPP48650-1-126ML-5	1 1/4"	Poly Strainer (less screen)
SPP48650-1-126ML-6	1 1/2"	Poly Strainer (less screen)
-	F75 Poly Flange Strainer (less screen)	

1 1/4" & 1 1/2" STRAINER PARTS

No.	Description
SPPCP15941-1-SSPP	16 Mesh Screen
SPPCP15941-2-SSPP	30 Mesh Screen
SPPCP15941-3-SSPP	50 Mesh Screen
SPPCP15941-4-SSPP	80 Mesh Screen
SPPCP15941-5-SSPP	100 Mesh Screen
SPPCP15941-6-SSPP	120 Mesh Screen
SPPCP63065-1-1/4-PP	1 1/4" Nylon Head
SPPCP15016	1 1/2" Nylon Head
-	1 1/4" Alum. Head
-	1 1/2" Alum. Head
SPPCP12291-BU	Buna-N O-ring
SPPCP12291-VI	Viton O-ring
Bowl for Cast Iron & Alum. Heads - 150 PSI	
SPPCP12288-3-NY	Reinforced Nylon Bowl
SPPCP48654-PP	Polypropylene Bowl

2" & 2 1/2" TEEJET STRAINER PARTS

No.	Description
SPPCP14634-1-SS	16 Mesh Screen
-	30 Mesh Screen
SPPCP14634-3-SS	50 Mesh Screen
-	80 Mesh Screen
-	100 Mesh Screen
-	2" Aluminum Head
SPPCP14632-2-1/2-AL	2 1/2" Aluminum Head
-	Buna-N O-ring
-	Viton O-ring
SPPCP14635-NY	Nylon Bowl

- Extends your spraying time with a self cleaning feature that minimizes clogging.
- Uses excess pump flow to bypass clogging particles back to tank.
- In order to flush out strainer a minimum of 6 GPM (3/4" & 1") and 8 GPM (1 1/4" & 1 1/2") flow is required through the by pass line.



3/4", 1", 1 1/4" & 1 1/2" POLY SELF-CLEANING STRAINERS

- Nylon head & bowl
- 3/4" & 1" screen size 5 3/4" x 1 1/2"
- 1 1/4" & 1 1/2" screen size 7 5/8" x 2 1/4"
- EPDM O-ring
- Max. 110 PSI
- Max. 100°F

SCREENS FOR 1 1/4" & 1 1/2" SELF CLEANING STRAINERS

No.	FPT	Description
-	3/4"	Strainer less screen
SPPAA126ML-3-50	3/4"	Strainer with 50 Mesh Screen
-	1"	Strainer less screen
SPPAA126ML-4-50	1"	Strainer with 50 Mesh Screen
SPPAA126MLSC-5	1 1/4"	Strainer less screen
SPPAA126ML-5-50	1 1/4"	Strainer with 50 Mesh Screen
-	1 1/2"	Strainer less screen
SPPAA126ML-6-50	1 1/2"	Strainer with 50 Mesh Screen
SPPAA126ML-3-30	3/4"	Strainer less screen
SPPAA126ML-3-80	3/4"	Strainer less screen
SPPAA126ML-4-100	1"	Strainer with 100 Mesh Screen
SPPAA126ML-4-200	1"	Strainer with 200 Mesh Screen
SPPAA126ML-4-30	1"	Strainer less screen
SPPAA126ML-4-80	1"	Strainer less screen
SPPAA126ML-5-100	1-1/4"	Strainer with 50 Mesh Screen
SPPAA126ML-6-100	1-1/2"	Strainer with 50 Mesh Screen

No.	Description
SPPCP12290-1-SS	16 Mesh Screen
SPPCP12290-2-SS	30 Mesh Screen
SPPCP12290-3-SS	50 Mesh Screen
SPPCP12290-4-SS	80 Mesh Screen
SPPCP12290-8-SS	100 Mesh Screen
-	200 Mesh Screen
1 1/4" & 1 1/2" Strainer Replacement Parts	
SPPCP63065-1-1/4-PP	1 1/4" Nylon Head
SPPCP15016	1 1/2" Nylon Head
-	1 1/4" Aluminum Head
-	1 1/2" Aluminum Head
SPPCP48656-EPR	EPDM Gasket*
SPPCP48656-VI	Viton Gasket*
SPPCP12291-BU	Buna-N Head O-ring**
SPPCP12291-VI	Viton Head O-ring**
SPPCP21035-NY	Reinforced Nylon Bowl
-	Inner Cylinder
SPPCP22836-NYB	Bypass Adapter

* For poly strainers
 ** For aluminum strainers

SCREENS FOR 3/4" & 1" SELF CLEANING STRAINERS

No.	Description
SPPCP12285-1-SS	16 Mesh Screen
-	30 Mesh Screen
SPPCP12285-2-SS	50 Mesh Screen
SPPCP12285-3-SS	80 Mesh Screen
SPPCP12285-6-SS	100 Mesh Screen
-	200 Mesh Screen
3/4" & 1" Strainer Replacement Parts	
SPPCP50492-1-PP	1" Nylon Head
-	3/4" Aluminum Head
SPP2043	EPDM Head O-ring
-	Reinforced Nylon Bowl
SPPCP22406-NYB	Bypass Adapter
-	Viton Adapter O-ring
-	EPDM Adapter O-ring



BANJO 1/2" & 3/4" PORTS

- Poly construction
- 1/4" Drain Plug • EPDM Gasket
- Max. 75 PSI at 70°F
- Max 180°F

No.	Description
SPPLS075B/C1	3/4" FPT Strainer (less screen)
1/2" & 3/4" 304SS Strainer Screens	
SPPLS720	20 Mesh Screen
SPPLS740	40 Mesh Screen
SPPLS780	80 Mesh Screen
1/2" & 3/4" Strainer Parts	
SPPLS075-G	End Cap EPDM Gasket
SPPLS075-GV	Viton Gasket
SPP12723	1/4" Drain Plug
SPP12724	EPDM Drain Plug O-ring



BANJO 3/4" & 1" PORTS

- Heavy Duty Glass Reinforced Polypropylene
- 304 Stainless Steel Reinforced Screens 5 3/4" x 1 1/2"
- EPDM Gasket • Clean out plug
- Max. 150 PSI at 70°F

No.	Description
SPPLST075-HB	3/4" Strainer (less screen)
SPPLST075-50	3/4" NPT Female
SPPLST075-80	2/4" (80 Mesh Screen) SS
SPPLST075-100	3/4" (100 Mesh Screen)
SPPLST100-HB	1" Strainer (less screen)
SPPLST100-50	1" Strainer (50 Mesh Screen)
SPPLST100-80	1" Strainer (80 Mesh Screen)
SPPLST100-100	1" Strainer (100 Mesh Screen)
3/4" & 1" 304SS Strainer Screens	
SPPLST116	16 Mesh Screen
SPPLST130	30 Mesh Screen
SPPLST150	50 Mesh Screen
SPPLST180	80 Mesh Screen
SPPLST1100	100 Mesh Screen
3/4" & 1" Strainer Parts	
SPPLST075-H	3/4" Poly Head
SPPLST100-H	1" Poly Head
SPPLST100-B	3/4" & 1" Bowl
SPPLST100-G	3/4" & 1" Gasket
SPPLST100-GV	3/4" & 1" Viton Gasket
SPP12777	1/2" Clean-out Plug
SPPUV15163	Plug O-ring - EPDM
SPP13778	Screen O-ring - EPDM



BANJO 1" & 1 1/4" PORTS

- Poly construction
- 1/2" Drain Plug • EPDM Gasket
- Max. 75 PSI at 70°F
- Max 180°F

No.	Description
SPPLS100B/C1	1" Strainer (less screen)
SPPLS100-80	80 Mesh, 1" NPT Female
SPPLS100-20	20 Mesh, 1" NPT Female
SPPLS125B/C1	1 1/4" Strainer (less screen)
1" & 1 1/4" 304SS Strainer Screens	
SPPLS120	20 Mesh Screen
SPPLS140	40 Mesh Screen
SPPLS180	80 Mesh Screen
1" & 1 1/4" Strainer Parts	
SPPLS100-G	EPDM End Cap Gasket
SPPLS100-GV	Viton Gasket
SPPLS100-C1	End Cap
SPP12777	1/2" Drain Plug
SPPUV15163	Plug O-ring - EPDM



BANJO 1 1/4" & 1 1/2" PORTS

- Heavy Duty Glass Reinforced Poly
- Clean Out Plug • EPDM Gasket
- 304 Stainless Steel Reinforced Screens 7 1/2" x 2 1/4"
- Max. 150 PSI at 70°F

No.	Description
SPPLST125-HB	1 1/4" Strainer (less screen)
SPPLST125-30	1 1/4" (30 Mesh Screen)
SPPLST125-50	1 1/4" (50 Mesh Screen)
SPPLST125-80	1 1/4" (80 Mesh Screen)
SPPLST150-HB	1 1/2" (less screen)
SPPLST150-50	1-1/2" (50 Mesh Screen)
SPPLST150-80	1-1/2" (80 Mesh Screen)
SPPLST150-100	1-1/2" (100 Mesh Screen)
1 1/4" & 1 1/2" 304SS Strainer Screens	
SPPLST1516	16 Mesh Screen
SPPLST1530	30 Mesh Screen
SPPLST1550	50 Mesh Screen
SPPLST1580	80 Mesh Screen
SPPLST15100	100 Mesh Screen
1 1/4" & 1 1/2" Strainer Parts	
SPPLST125-H	1 1/4" Poly Head
SPPLST150-H	1 1/2" Poly Head
SPPLST150-B	Bowl 1 1/4" & 1 1/2" Strainer
SPPLST150-G	1 1/4" & 1 1/2" EPDM Gasket
SPPLST150-GV	1 1/4" & 1 1/2" Viton Gasket
SPPLSQ200-PL	Clean-out Plug
SPPLSQ200-R	Plug O-ring - EPDM
SPPLSQ200-RV	Plug O-ring - Viton
SPPLST034G	Screen O-ring - EPDM



BANJO 1 1/2" & 2" PORTS

- Poly construction
- 1" Drain Plug • EPDM Gasket
- Max. 150 PSI at 70°F
- Max 180°F

No.	Description
SPPLS150B/C	1 1/2" Strainer (less screen)
SPPLS150-20	1-1/2" Female NPT with 20 Mesh
SPPLS150-50	1-1/2" Strainer with 50 Mesh SS
SPPLS200B/C	2" Strainer (less screen)
SPPLS200-30	2" Strainer with 30 Mesh Screen
SPPLS200-50	2" Strainer with 50 Mesh Screen
SPPLS200-80	2" Strainer with 80 Mesh Screen
SPPLS200-100	2" Strainer with 50 Mesh Screen
1 1/2" & 2" 304SS Strainer Screens	
SPPLS206	6 Mesh Stainless Steel
SPPLS212	12 Mesh Stainless Steel
SPPLS220	20 Mesh Stainless Steel
SPPLS230	30 Mesh Stainless Steel
SPPLS250	50 Mesh Stainless Steel
SPPLS280	80 Mesh Stainless Steel
SPPLS2100	100 Mesh Stainless Steel
SPPLS2120	120 Mesh Stainless Steel
1 1/2" & 2" Strainer Parts	
SPPLS150-G	EPDM O-ring New Style
SPPLS150-GV	Viton O-ring New Style
SPPLS200-G	EPDM O-ring
SPPLS200-GV	Viton O-ring
SPPLS150-C	New Style End Cap
SPPLSQ200-PL	1" Drain Plug
SPPLSQ200-R	1" Plug O-ring - EPDM
SPPLSQ200-RV	1" Plug O-ring - Viton
SPPLS141G	2" Screen O-ring - EPDM



BANJO POLY LSQ SERIES 1 1/2" & 2" STRAINER

- Cam lever cap
- 1" Plug in cap for flushing or draining
- EPDM Gasket • Max. 50 PSI

No.	Description
SPPLSQ150-B/C	1 1/2" Strainer (less screen)
SPPLSQ200-B/C	2" Strainer (less screen)
SPPLSQ200-80	2" Strainer w/80 Mesh Screen
1 1/2" & 2" LSQ Strainer Screens	
SPPLS206	6 Mesh Screen
SPPLS212	12 Mesh Screen
SPPLS220	20 Mesh Screen
SPPLS230	30 Mesh Screen
SPPLS250	50 Mesh Screen
SPPLS280	80 Mesh Screen
1 1/2" & 2" LSQ Strainer Parts	
SPPLSQ200-G	EPDM Cap Gasket
SPPPLUG100	1" Clean out plug
SPPLSQ200-R	Plug O-ring - EPDM
SPPLSQ200-RV	Plug O-ring - Viton
SPP2535SS	SS Cam Arm
SPP300P	SS Cam Pin



BANJO 3" STAINLESS STEEL "Y" STRAINER

- EPDM Gasket
- Corrosion Resistant
- 200 PSI Max.
- Stainless steel screen 6 1/4" x 3 1/2"

No.	Description
3" SS Strainer Screens	
SPPLSS308	8 Mesh Screen
SPPLSS330	30 Mesh Screen
SPPLSS350	50 Mesh Screen

3" SS Strainer Parts	
SPPLSS300-S	Screen Seal (2 req)
SPPLSS300-G	Cap Gasket
SPPLSS300-H	Handle / Clamp Assembly



BANJO 3" POLY STRAINER

- High volume
- Max 50 PSI
- EPDM Gasket
- 1/2" drain plug in cap
- SS screen 9 1/8" x 4 3/8" and cap clamp

No.	Description
SPPLSM300BC	3" Strainer (less screen)
SPPLSM300-50	3" Strainer (50 Mesh Screen)
SPPLSM300-12	LSM300-12 Strainer
SPPLSM300-08	3" Y Strainer w 8 Mesh
3" Strainer Screens	
SPPLS304	4 Mesh Screen
SPPLS312	12 Mesh Screen
SPPLS320	20 Mesh Screen
SPPLS350	50 Mesh Screen

3" Strainer Parts	
SPPLS300EC	3" Cap
SPPLS300-G1	EPDM Gasket (Old style)
SPPLMS300G	3" Strainer Cap Gasket
SPPLS300-GV1	Viton Gasket
SPPLSM300-20	"Y" 3" Body



MANIFOLD "T" STRAINER 1" FULL PORT

- EPDM Gasket
- Max 150 PSI
- Flange 1" ID x 2" OD

No.	Description
SPPMLST100-HB	1" FP Strainer less screen
1" 304SS Screens	
SPPLST116	16 Mesh Screen
SPPLST130	30 Mesh Screen
SPPLST150	50 Mesh Screen
SPPLST180	80 Mesh Screen
SPPLST1100	100 Mesh Screen
1" FP Manifold Strainer Parts	
SPPMLST100-H	1" Flanged T Strainer Head
SPPLST100-B	1" T Strainer Bowl
-	1" T Clear Bowl
SPP12777	Plug for 1" Strainer
SPPUV15163	O-ring for 1" T Strainer
SPPLST100-G	EPDM Gasket for 1" Strainer
SPPLST100-GV	Viton Gasket for 1" Strainer



MANIFOLD "T" STRAINER FLANGED 1 1/2" PORT

- EPDM Gasket
- Max 150 PSI
- Flange 1 1/2" ID x 3 3/4" OD

No.	Description
SPPMLST150-HB	1 1/2" FP Strainer less screen
1 1/2" 304SS Screens	
SPPLST1516	16 Mesh Screen
SPPLST1530	30 Mesh Screen
SPPLST1550	50 Mesh Screen
SPPLST1580	80 Mesh Screen
SPPLST15100	100 Mesh Screen
Parts for MLST 100IBC T-Strainer	
SPPMLST150-H	1 1/2" Flanged T Strainer Head
SPPLST150-B	1 1/2" T Strainer Bowl
SPPLSQ200-PL	Plug for 1 1/2" Strainer
SPPLSQ200-R	O-ring for 1 1/2" Manifold Str
SPPLST150-G	EPDM Gasket
SPPLST150-GV	Viton Gasket



MANIFOLD 2" STANDARD PORT "Y" STRAINERS

- EPDM Gasket
- Max 150 PSI
- Flange 1 1/2" ID x 3 3/4" OD

No.	Description
SPPMLS200BC	2" Manifold Y Strainer
SPPMLS200-50	2" Manifold Y Strainer
SPPMLS200-80	2" Strainer (80 Mesh Screen)
1 1/2" 316SS Screens for above	
SPPLS206	6 Mesh Screen
SPPLS212	12 Mesh Screen
SPPLS220	20 Mesh Screen
SPPLS230	30 Mesh Screen
SPPLS250	50 Mesh Screen
SPPLS280	80 Mesh Screen
SPPLS2100	100 Mesh Screen
SPPLS2120	120 Mesh Screen
1 1/2" ID Manifold Y-Strainer Parts	
SPPMLS200B	2" SP Manifold Strainer Body
SPPLS150-C	2" SP Strainer Cap
SPPLSQ200-PL	Plug
SPPLSQ200-R	O-Ring
SPPLS150-G	2" SP EPDM Gasket
SPPLS150-GV	2" SP Viton Gasket

MANIFOLD 2" FULL PORT "Y" STRAINERS

- EPDM Gasket
- Max 225 PSI
- Flange 2" ID x 3 3/4" OD



No.	Description
SPPMLS220BC	2" ID Y Strainer Manifold
SPPMLS222-80	2" FullPort Manifold Y Strainer (80 Mesh Screen)
SPPMLS222BC	2" Fp Line Strainer Body & Cap

No.	Description
2" 316SS Screens for above	
SPPLST204SS	2" FP Screen 4 Mesh
SPPLST206SS	2" FP Screen 6 Mesh
SPPLST208SS	2" FP Screen 8 Mesh
SPPLST210SS	2" FP Screen 10 Mesh
SPPLST216SS	2" FP Screen 16 Mesh
SPPLST230SS	2" FP Screen 30 Mesh
SPPLST250SS	2" FP Screen 50 Mesh
SPPLST280SS	2" FP Screen 80 Mesh
SPPLST2100SS	2" FP Screen 100 Mesh
SPPMLS250SS	50 Mesh Perforated
SPPMLS280SS	80 Mesh Perforated

2" Y Strainer Parts	
SPPMLS220B	2" FP Manifold Strainer Body
SPPMLS220C	2" FP Manifold Strainer Cap
SPPMLS220R	2" FP Clamp
SPPMLS220BC	2" FP Body & Cap
SPPMLS220R1	2" FP Ring
SPPMLS222B	2" FP Body
SPPLSQ200-PL	Plug
SPPLSQ200-R	O-ring
SPPMLS220G	MLS220 2" EPDM Gasket
SPPMLS220GV	MLS220 2" Viton Gasket
SPPMLS220G1	MLS222 2" EPDM O-ring
SPPMLS220G1V	MLS222 2" Viton O-ring
SPPMLS222-50	MLS222 2"
SPPMLS222-16	2" FPM (20 Mesh)
1" Y Strainer Parts	
SPPMLS100BC	1" FB Body & Cap

Y STRAINER WITH MESH STAINLESS STEEL SCREEN

- Type: Y Strainer
- Style: Poly Ribbed with Stainless Steel Screen



No.	FPT	Description
SPPLS050-40	1/2"	40 mesh
SPPLS050-80	1/2"	80 mesh
SPPLS075-20	3/4"	20 mesh
SPPLS075-40	3/4"	40 mesh
SPPLS075-80	3/4"	80 mesh
SPPLS100-40	1"	40 mesh
SPPLS125-80	1 1/4"	80 mesh
SPPLS150-80	1-1/2"	80 mesh
SPPLS200-12	2"	12 mesh
SPPLS200-20	2"	20 mesh
SPPLS200-120	2"	120 mesh

3" MANIFOLD "Y" STRAINERS



- Lightweight
- High volume
 - Glass reinforced
 - Polypropylene body & cap
 - Max 100 PSI, EPDM gasket

No.	Description
SPPMLS300BC	3" Strainer less screen
SPPMLS300-50	3" Strainer (50 Mesh Screen)
SPPMLS300-20	3" Strainer (20 Mesh Screen)
3" 304SS Strainer Screens	
SPPLS304	4 Mesh Screen
SPPLS312	12 Mesh Screen
SPPLS320	20 Mesh Screen
SPPLS350	50 Mesh Screen
3" Manifold Strainer Parts	
SPPMLS300B	3" Manifold Strainer Body
SPPMLS300CAP	3" Strainer Cap
SPPLS300EC	3" End Cap
SPPMLS300ECG	3" End Cap Gasket
SPP13777	3" End Cap Plug
SPP13778	3" End Cap Plug Gasket
SPPMLS300G	3" Strainer Cap Gasket
SPPMLS300ECGV	2" End Cap Gasket Viton



- STRAINERS SCREEN**
- 2" Stainless Steel Line Strainer Screen 100 Mesh Screen With Perforated Support

No.	Size
SPPMLS2100SS	2" (100 Mesh)

T STRAINER WITH MESH SCREEN

- 316 stainless steel screens.
- EPDM gaskets.
- Maximum operating pressure 300 psi

No.	FPT	Description
SPPMLST100-80	1"	80 mesh
SPPMLST100-50	1"	50 mesh
SPPMLST100-100	1"	100 mesh
SPPMLST150-80	2"	80 mesh
SPPMLST150-100	2"	100 mesh

MINI T STRAINER

No.	Description
SPPLSTM050-50C	1/2" X 1/2" Mini T Strainer With 50 Mesh Screen And Clear Bowl
SPPLSTM075-80	3/4" X 3/4" Mini T Strainer With 80 Mesh Screen And Black Bowl

REPLACEMENT PARTS

SPPLSTM050G	Mini T Strainer Gasket
SPPLSTM050BC	Mini T Strainer Clear Bowl



2" "T" LINE STRAINER - POLY / STAINLESS COMBO



- 316 stainless steel head
- Viton gaskets
- Glass reinforced poly bowl
- 150 PSI at 70°F
- Clean-out plug

Parts for 2" "T" Strainer

SPPLST200-B	
SPPLST200-GV	2" Viton Gasket
SPPLSQ200-PL	Clean out plug
SPPLSQ200-RV	Plug O-ring - Viton

No.	Description
2" 316SS Strainer Screens	
SPPLST204SS	4 Mesh Screen
SPPLST206SS	6 Mesh Screen
SPPLST208SS	8 Mesh Screen
SPPLST210SS	10 Mesh Screen
SPPLST216SS	16 Mesh Screen
SPPLST230SS	30 Mesh Screen
SPPLST250SS	50 Mesh Screen
SPPLST280SS	80 Mesh Screen
SPPLST2100SS	100 Mesh Screen

NORWESCO Y STRAINERS

- Manufactured from glass re-inforced polypropylene.
- Protects and prevents clogging of pipelines, pumps and spray tips.
- Easy access for cleaning.
- Sizes from 1/2" to 3".
- 304 stainless steel screens. Screen for 3" is polypropylene reinforced.
- Standard with EPDM gaskets.
- 3" strainer features a 1/2" drain plug in bottom of cap

No.	Description
SPP64273	1-1/2" w/50 Mesh Over-Molded Screen
SPP64276	2" w/50 Mesh Over-Molded Screen
SPP62340	3" w/40 Mesh Screen

Replacement Parts for 1-1/2" & 2"	
SPP61561	EPDM Gasket
SPP64261	50 Mesh OM Screen
SPP64262	100 Mesh OM Screen

Replacement Parts for 3"	
SPP62261	40 Mesh Screen
SPP62400	80 Mesh Screen
SPP62266	3" EPDM Body O-Ring

NORWESCO T STRAINER REPLACEMENT PARTS

No.	Description
SPP61406	80 Mesh Screen



SPP64273



SPP62340

HYPRO STRAINERS



- Low Profile
- Stainless Steel Screen
- Poly Head & Bowl
- EPDM Gasket
- Max. 80 PSI

No.	Ports	Mesh
SPP3350-0082A	1/2" MPT	80

HYPRO STRAINERS



- Standard size strainer
- Stainless Steel Screen
- Poly Head and Bowl
- EPDM Gasket
- Max. 80 PSI

No.	FPT	Mesh
SPP3350-0046A	1/2"	50
SPP3350-0043A	1/2"	80
SPP3350-0040A	3/4"	20
SPP3350-0034A	3/4"	50
SPP3350-0057A	1"	20
SPP3350-0058A	1"	50
SPP3350-0059A	1"	80
SPP3350-0071A	1 1/4"	20
SPP3350-0112A	1 1/2"	20
SPP3350-0114A	1 1/2"	80

HYPRO STRAINERS



- Standard size
- Stainless Steel Screen
- Nylon Head and Bowl
- Viton Gasket
- Max. 150 PSI

No.	FPT	Mesh
SPP3350-0042	1/2"	50
SPP3350-0068	1/2"	80
SPP3350-0040	3/4"	20
SPP3350-0044	3/4"	50
SPP3350-0045	3/4"	80
SPP3350-0060	1"	20
SPP3350-0061	1"	50
SPP3350-0062	1"	80
SPP3350-0074	1 1/4"	20
SPP3350-0076	1 1/4"	80
SPP3350-0115	1 1/2"	20

HYPRO STRAINERS



- Low Profile
- Stainless Steel Screen
- Nylon Head
- Clear Bowl
- Viton Gasket
- Max. 100 PSI

No.	Ports	Mesh
SPP3350-0085F	1/4" FPT	20
SPP3350-0079F	&	40
SPP3350-0082F	1/2" MPT	80

HYPRO INLINE STRAINER REPLACEMENT PARTS



**HYPRO STRAINER REPLACEMENT PARTS
1/2" x 3/4" FPT**

Screen Dimensions
Length 3 1/8" OD 1 1/8"

No.	Description
SPP3800-0029	20 Mesh Screen
SPP3800-0025	50 Mesh Screen
SPP3800-0026	80 Mesh Screen
SPP3351-0005	White Nylon Bowl
SPP3351-0015	Clear Bowl
-	1/2" Black Poly Cap



**HYPRO STRAINER REPLACEMENT PARTS
1" FPT**

Screen Dimensions
Length 4 1/4" OD 2 3/8"

No.	Description
SPP3800-0040	20 Mesh Screen
SPP3800-00421	50 Mesh Screen
SPP3800-0042	80 Mesh Screen
SPP1700-0092	EPDM Gasket
SPP10539	Viton Gasket
SPP3351-0043	Black Poly Bowl
SPP3351-0024	Clear Bowl



**HYPRO STRAINER REPLACEMENT PARTS
1 1/4" FPT**

Screen Dimensions
Length 4 1/2" OD 2 3/8"

No.	Description
SPP3800-0044	50 Mesh Screen
SPP3800-0045	80 Mesh Screen
SPP1700-0092	EPDM Gasket
SPP10539	Viton Gasket
SPP3351-0043	Black Poly Bowl
SPP3351-0024	Clear Bowl



**HYPRO STRAINER REPLACEMENT PARTS
1/4" FPT x 1/2" MPT**

Screen Dimensions
Length 1 1/8" OD 1"

No.	Description
SPP10485	40 Mesh Screen - Short
SPP10496D	80 Mesh Screen - Short
SPP11337	EPDM Gasket
SPP10498	Viton Gasket
SPP11421D	Black Short Poly Bowl
SPP16238	White Short Nylon Bowl



HYPRO 1 1/2" STRAINER REPLACEMENT PARTS

Screen Dimensions
Length 5 1/8" OD 2 1/4"

No.	Description
SPP3800-0043	20 Mesh Screen
SPP3800-0044	50 Mesh Screen
SPP3800-0045	80 Mesh Screen
-	White Poly Cap
SPP1700-0092	EPDM Gasket
SPP10539	Viton Gasket
SPP3351-0043	Black Poly Bowl
SPP3351-0024	Clear Bowl



FLUSHING STRAINER REPLACEMENT PARTS

FOR USE WITH
POLYPROPYLENE "T" LINE
1 1/4" & 1 1/2" FPT
STRAINER

Screen Dimensions
Length 8 1/4" O.D. 2 1/4"

No.	Description
-	50 Mesh Screen
SPP326004.03	80 Mesh Screen
SPP326000.04	Bowl O-ring
SPP326100.02	Poly Bowl

Replacement Parts

O-Ring for Nylon Line Strainers **Part No. SPP1700-0044**

Screen 20 Mesh Polypropylene Line Strainers **Part No. SPP3800-0065**

PVC QUICK CLEAN FILTERS 1", 1½" & 2" SLIP x SLIP



**Maximum 150 PSI
Maximum 100°F (38°C)**

- Bowl clear poly carbonate
- Head SLIP x SLIP white PVC
- Head design creates a spin out action that will force most particulate by centrifugal force to drop to the bottom
- Opening purge valve on filter bowl will remove loose sediment from filter screen and bowl without bowl removal
- Install on suction or discharge side of pump
- Use alone or as a pre-filter for a cartridge filter
- When used as a prefilter, it greatly increases the life of the cartridge filter by preventing the cartridge filter from plugging prematurely
- Purchase screens separately, available in polyester or 304 stainless steel

No.	SLIP	GPM	W x H
SPP43-H10T	1" x 1"	1-25	5" x 8½"
-	1½" x 1½"	10-50	5¼" x 13¾"
SPP43-H20T	2" x 2"	18-100	5¾" x 16"

HIGH TEMPERATURE QUICK CLEAN FILTER ¾" FPT x ¾" FPT



**Maximum 40 PSI @ 200°F (93°C)
Maximum 150 PSI @ 73°F (23°C)**

- Head design creates a spin out action that will force most particulate by centrifugal force to drop to the bottom
- Head glass filled polypropylene with 304 stainless steel supporting rings on FPT connections
- Opening purge valve on filter bowl will remove loose sediment from filter screen and bowl without bowl removal
- Use alone or as a pre-filter for a cartridge filter
- When used as a pre-filter, it greatly increases the life of the cartridge filter by preventing the cartridge filter from plugging prematurely
- Install on suction or discharge side of pump
- Purchase screen separately

No.	FPT	GPM	W x H
-	¾"	25	5" x 8½"

1" FILTER # 3006

Filter size: Diameter = 1½"
Length = 5½"

POLYESTER FILTER ELEMENTS

No.	Mesh	Micron	Opening
-	24	711	0.0280"
SPP3006-30P	30	533	0.0210"
-	40	381	0.0150"
-	60	254	0.0100"
-	100	152	0.0060"
SPP3006-140P	140	104	0.0040"
SPP3006-250P	250	80	0.0032"
SPP3006-500P	500	61	0.0024"

STAINLESS STEEL FILTER ELEMENTS

No.	Mesh	Micron	Opening
-	30	533	0.0210"
-	60	254	0.0100"
SPP3006-100SS	100	152	0.0060"
SPP3006-140SS	140	104	0.0040"
-	200	80	0.0032"

1½" FILTER # 3007

Filter size: Diameter = 1¾"
Length = 8¾"

POLYESTER FILTER ELEMENTS

No.	Mesh	Micron	Opening
SPP3007-24P	24	711	0.0280"
SPP3007-30P	30	533	0.0210"
-	40	381	0.0150"
SPP3007-60P	60	254	0.0100"
SPP3007-100P	100	152	0.0060"
SPP3007-140P	140	104	0.0040"
-	250	61	0.0024"
SPP3007-500P	500	30	0.0012"
SPP3007-1000P	1000	15	0.0006"

STAINLESS STEEL FILTER ELEMENTS

No.	Mesh	Micron	Opening
SPP3007-30SS	30	533	0.0210"
-	60	254	0.0100"
SPP3007-100SS	100	152	0.0060"
-	140	104	0.0040"
SPP3007-200SS	200	80	0.0032"

2" FILTER # 3008

Filter size: Diameter = 1¾"
Length = 10"

POLYESTER FILTER ELEMENTS

No.	Mesh	Micron	Opening
-	24	711	0.0280"
-	30	533	0.0210"
-	40	381	0.0150"
SPP3008-60P	60	254	0.0100"
SPP3008-100P	100	152	0.0060"
SPP3008-140P	140	104	0.0040"
SPP3008-250P	250	61	0.0024"
SPP3008-500P	500	30	0.0012"
-	1000	15	0.0006"

STAINLESS STEEL FILTER ELEMENTS

No.	Mesh	Micron	Opening
-	30	533	0.0210"
-	100	152	0.0060"
-	140	104	0.0040"
SPP3008-200SS	200	80	0.0032"





POLYPROPYLENE FOOT VALVE

- Rust proof construction
- Large capacity
- Max 50 PSI
- Parts available
- Sold as 2 separate parts

Screen	Size	Valve	OD x Length
SPP304251	1 1/4"	SPP504010	4 1/4" x 5 1/2"
SPP304361	1 1/2"	SPP504014	4 1/4" x 8"
SPP304371	2"	SPP504029	4 1/4" x 8"



CAST BRASS FOOT VALVE

- #304 Stainless Steel Screen & Spring
- NBR O-ring
- Max 180°F (80°C)
- Max 200 PSI

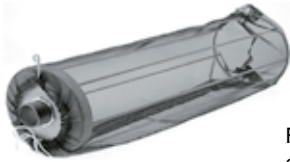
No.	FPT
SPP6060-05	1/2"
SPP6060-07	3/4"
SPP6060-10	1"
SPP6060-12	1 1/4"
SPP6060-15	1 1/2"
SPP6060-20	2"



HEAVY DUTY PLATED STEEL STRAINER

No.	FPT	Hole Size
SPP5963	1 1/2"	1/4"
SPP5964	2"	3/8"
SPP5965	2 1/2"	3/8"
SPP5966	3"	3/8"
SPP5967	4"	3/8"
SPP5969	6"	1/2"
SPP5970	8"	1"

KLEENFLO INTAKE SCREEN



For Lake or Dugout

- Large capacity 9" x 28"
- Vinyl coated metal cage
- Replaceable fiberglass screen
- 2" MPT

No.	Description
SPP5446	Complete Unit
SPP5447	Replacement Bag



CAST BRONZE FOOT VALVE

- #304 Stainless Steel Screen & Spring
- Buna-N O-ring
- Max 180°F (80°C)
- Max 200 PSI

No.	FPT
SPP6061-05	1/2"
SPP6061-07	3/4"
SPP6061-10	1"
SPP6061-12	1 1/4"
SPP6061-15	1 1/2"
SPP6061-20	2"
SPP6061-30	3"



FLOATING POND FILTER

- Trouble free self fill
- Poly, stainless steel construction
- For Lake or Dugout
- Use check valve on non-priming pumps
- Size: 7" in Diameter x 8" High

No.	Hose Barb
SPP3073040	1 1/2"
SPP3073050	2"

BASKET SUCTION STRAINER



Helps prevent debris from entering a suction line.

- Polypropylene
- Vinyl coated metal cage
- Connection Size: 1-1/2 in
- Connection Type: FNPT

No.	Description
SPPSR150P	Green Leaf SR150P
SPPSR200P	Green Leaf SR200P



STAINLESS STEEL FOOT VALVE

- #304 Stainless Steel Screen & Spring
- Viton O-ring
- Max 180°F (80°C)
- Max 200 PSI

No.	FPT
SPP6062-05	1/2"
SPP6062-07	3/4"
SPP6062-10	1"
SPP6062-12	1 1/4"
SPP6062-15	1 1/2"
SPP6062-20	2"
SPP6062-30	3"
SPP6062-40	4"



SUCTION STRAINERS

- PVC Head
- Stainless Steel Screen

No.	FPT	Mesh
SPP10406	1/4"	40
SPP10416D	3/8"	40
SPP11101	3/8"	80
SPP10421	1/2"	40
SPPRV6632-80	1/2"	80
SPP10432	3/4"	40
SPP10436	3/4"	80
SPP10442	1"	20
SPP10446	1"	40
SPP10464	1 1/2"	40

FOOT VALVES

Standard Bronze Foot Valve With Perforated Brass Strainer



No.	Mfr Part#	Pipe Size	Min. Well Dia.
SPP78697	627620	1"	2"
SPP78700	627650	2"	3-1/2"
SPP76145	FV-300	3"	



BRONZE FLOAT VALVE

3/8" - 1/2" - 3/4" - 1"

- MPT connections
- Buna-N valve seal
- Max 180°F
- Max 125 PSI
- Tapped for 1/4" - 20 SAE rod

Rod & float not included - order separately

No.	MPT x MPT
SPP6080-03	3/8" x 3/8"
SPP6080-05	1/2" x 1/2"
SPP6080-07	3/4" x 3/4"
SPP6080-10	1" x 1"



BRONZE BULKHEAD FLOAT VALVES

1/2" & 3/4"

- Bulkhead mount
- SMT (straight male thread)
- Buna-N Gasket
- Faucet outlet
- Max 180°F / 125 PSI
- Rod mount 1/4" - 20 SAE female thread

Rod & float not included - order separately

No.	Inlet	Outlet
SPP6080-05BH	1/2" SMT	Faucet
SPP6080-07BH	3/4" SMT	Faucet



BRONZE FLOAT VALVE

- Heavy duty body
- Buna-N disc
- Max 180°F / 125 PSI
- Inlet FPT
- Outlet faucet

Note: 8" or larger float is required
Rod & float not included - order separately

No.	Inlet	Tapped
SPP6080-12	1/4" FPT	3/8" -16 SAE
SPP6080-15	1/2" FPT	3/8" -16 SAE
SPP6080-20	2" FPT	3/8" -16 SAE

PLASTIC FLOATS



- Black polypropylene
- Light weight
- Corrosion resistant
- Max 175°F
- For open tank service only

No.	Diam.	Buoyancy	Rod Con.
SPP6080-31P	4.5"	1.30 lbs.	1/4"-20 SAE
SPP6080-32P	5"	2.17	1/4"-20 SAE
SPP6080-33P	6"	3.80	1/4"-20 SAE
SPP6080-34P	8"	9.87	3/8"-16 SAE
SPP6080-35P	10"	15.5	3/8"-16 SAE

COPPER FLOATS



- Two formed halves soldered together using an inside lapping joint
- For open tank service only

No.	Size	Buoyancy	Rod Con.
SPP6080-29C	3"	0.34 lbs.	1/4"-20 SAE
SPP6080-30C	4"	0.80	1/4"-20 SAE
SPP6080-33C	6"	3.26	1/4"-20 SAE
SPP6080-34C	8"	8.03	3/8" FPT

STAINLESS STEEL FLOATS



- 316 stainless steel
- Good for most corrosive liquids
- Good for high temperature or extreme temperature

No.	Size	Buoyancy	Rod Con.
SPP6080-30SS	4"	0.65	1/4"-20 SAE
SPP6080-32SS	5"	1.55	1/4"-20 SAE
SPP6080-33SS	6"	2.15	1/4"-20 SAE
SPP6080-34SS	8"	6.44	3/8"-16 SAE

FLOAT RODS STAINLESS STEEL

For floats up to 6" diameter



No.	Diam.	Length	Thread
SPP6080-14-8SS	1/4"	8"	1/4"-20SAE
SPP6080-14-10SS	1/4"	10"	1/4"-20SAE
SPP6080-14-12SS	1/4"	12"	1/4"-20SAE
For Floats 8" & 10" in diameter			
SPP6080-38-12SS	3/8"	12"	3/8"-16SAE
SPP6080-38-14SS	3/8"	14"	3/8"-16SAE
SPP6080-38-16SS	3/8"	16"	3/8"-16SAE



FLOAT THREAD BRASS ADAPTERS

No.	Rod x Float
SPP6080-14-38B	1/4"-20SAE x 3/8" MPT
SPP6080-38-38B	3/8"-16SAE x 3/8" MPT
SPP6080-38-14B	3/8"-16SAE x 1/4"-20SAE

Note: Adapter 6080-38-38B is only available in brass.



LEVER ASSEMBLY

No.	Valve Ports
SPP6080-L38100	3/8" to 1"
SPP6080-L114200	1/4" to 2"



PLUNGER ASSEMBLY

* Not for bulkhead style float valves

No.	Ports
SPP6080-P38-12	3/8" & 1/2"
SPP6080-P34	3/4"
SPP6080-P100	1"
SPP6080-P114-200	1/4", 1/2", 2"



REPAIR SEAL KIT FOR PLUNGER ASSEMBLY

No.	Ports
SPP6080-S38-12	3/8" & 1/2"
SPP6080-S100	1"
SPP6080-S114-200	1/4", 1/2", 2"

FLOAT VALVE PARTS



CAST BRASS CHECK VALVE

- Cast brass body & poppet
- Nitrile Buna-N O-ring
- Max. 180°F (80°C)
- Max. 200 PSI
- Opens @ 0.5 PSI

No.	FPT
SPP9188B	1/2"
SPP9189B	3/4"
SPP9190B	1"
SPP9191B	1 1/4"
SPP9192B	1 1/2"
SPP9193B	2"



STAINLESS STEEL CHECK VALVE

- #304 Stainless steel body & poppet
- Viton O-ring
- Max. 180°F (80°C)
- Max. 200 PSI

No.	FPT
SPP9188SS	1/2"
SPP9189SS	3/4"
SPP9190SS	1"
SPP9191SS	1 1/4"
SPP9192SS	1 1/2"
SPP9193SS	2"
SPP9194SS	3"
SPP9195SS	4"



BRONZE SWING CHECK VALVE

- Brass pin and screw
- Max. 200 PSI
- Max. 100°C

No.	FPT
SPP9171	1/2"
SPP9172	3/4"
SPP9173	1"
SPP9174	1 1/4"
SPP9175	1 1/2"
SPP9176	2"
SPP9177	2 1/2"
SPP9178	3"
SPP9179	4"



CAST BRONZE CHECK VALVE

- Cast bronze body & poppet
- Nitrile Buna-N O-ring
- Max. 180°F (80°C)
- Max. 200 PSI

No.	FPT
SPP9188	1/2"
SPP9189	3/4"
SPP9190	1"
SPP9191	1 1/4"
SPP9192	1 1/2"
SPP9193	2"



STAINLESS STEEL FILTER

- Investment cast body
- Max working pressure 600 PSI W.O.G
- Max. working temp. 230°C
- Screens: 20 Mesh

No.	FPT
SPP3489	1/2"
SPP3490	3/4"
SPP3491	1"
SPP3494	2"



316 STAINLESS STEEL SWING CHECK VALVE

- Full port
- Threaded ends
- 200 PSI W.O.G
- Temperature Rating: 350°F
- Stainless steel class 200 screwed cap
- Swing type disc
- Integral seat

No.	FPT
SPP9172SS	3/4"
SPP9173SS	1"
SPP9174SS	1 1/4"
SPP9176SS	2"



BRASS CHECK VALVE

- Brass body
- Plastic ball
- Max. 150°F
- Max. 200 PSI

No.	FPT x FPT
SPP93.000.002	3/8"



Y-STRAINER CAST BRONZE BODY

- W.O.G 300 PSI at 150°F
- Steam - 150 PSI at 400°F
- 20 Mesh Stainless steel strainer

No.	FPT
SPP3490B	3/4"
SPP3492B	1 1/4"
SPP3493B	1 1/2"

TEEJET 3/4 Q IN LINE STRAINERS



- 3/4" FPT Ports
- Max. 125 PSI

PURCHASE SCREENS SEPARATELY

No.	Description
3/4" Q Strainer Screens	
SPPCP4633-6-M.	100 Mesh Screen
SPPCP4633-7-M	200 Mesh Screen



FPT x FPT

1/2 lb. spring

• 100 PSI Max

No.	FPT	Length
SPP1001-05	1/2"	4 1/8"
SPP1001-07	3/4"	4 1/8"
SPP1001-10	1"	5 1/4"
SPP1001-12	1 1/4"	6 3/16"
SPP1001-15	1 1/2"	6 3/16"
SPP1001-20	2"	7"



SLIP x SLIP

1/2 lb. spring

No.	FPT	Length
SPP1011-05	1/2"	4 1/8"
SPP1011-07	3/4"	4 1/8"
SPP1011-10	1"	5 1/4"
SPP1011-15	1 1/2"	6 3/16"
SPP1011-20	2"	7"

FLO CONTROL CHECK VALVES



FPT x FPT

1/2 lb. spring

• 200 PSI @ 72°F

No.	FPT	Length
SPP1001-05F	1/2"	4 1/8"
SPP1001-07F	3/4"	4 1/8"
SPP1001-10F	1"	5 1/4"
SPP1001-12F	1 1/4"	6 3/16"
SPP1001-15F	1 1/2"	6 3/16"
SPP1001-20F	2"	7"
SPP1001-30F	3"	8 5/8"



SLIP x SLIP

1/2 lb. spring

No.	Slip	Length
SPP1011-05F	1/2"	4 1/8"
SPP1011-07F	3/4"	4 1/8"
SPP1011-10F	1"	5 1/4"
SPP1011-15F	1 1/2"	6 3/16"
SPP1011-20F	2"	7"
SPP1011-25	2 1/2"	8 3/8"
SPP1011-30	3"	8 5/8"



**FPT x FPT
ADJUSTABLE**
5 to 30 PSI

Factory Set at 5 PSI

No.	FPT	Length
SPP1205-05	1/2"	4 1/8"
SPP1205-07	3/4"	4 1/8"
SPP1205-10	1"	5 1/4"
SPP1205-12	1 1/4"	6 3/16"
SPP1205-15	1 1/2"	6 3/16"
SPP1205-20	2"	9 3/4"



FPT x FPT

2 lb. spring

No.	FPT	Length
SPP1002-05	1/2"	4 1/8"
SPP1002-07	3/4"	4 1/8"
SPP1002-10	1"	5 1/4"
SPP1002-12	1 1/4"	6 3/16"
SPP1002-15	1 1/2"	6 3/16"
SPP1002-20	2"	7"
SPP1002-30	3"	8 5/8"



SLIP x SLIP

2 lb. spring

No.	Slip	Length
SPP1012-05	1/2"	4 1/8"
SPP1012-10	1"	5 1/4"
SPP1012-12	1 1/4"	6 3/16"
SPP1012-15	1 1/2"	6 3/16"



**SLIP x SLIP
ADJUSTABLE**
5 to 30 PSI

Factory Set at 5 PSI

No.	Slip	Length
SPP1225-05	1/2"	4 1/8"
SPP1225-10	1"	5 1/4"
SPP1225-20	2"	9 3/4"



**WHITE
TRUE UNION**

1/2 lb. spring

No.	Soc	Length
SPP1700-15	1 1/2"	8.345"
SPP1700-20	2"	9.735"
SPP1700-25	2 1/2"	13.25"



**CLEAR
SLIP x SLIP**

1/2 lb. spring

No.	Slip	Length
SPP1011C25	2 1/2"	8"



**FPT x MPT
ADJUSTABLE**
5 to 30 PSI

Factory Set at 5 PSI

No.	Size	Length
SPP1235-07	3/4"	4 1/8"
SPP1235-10	1"	5 1/4"



**CLEAR
TRUE UNION**

1/2 lb. spring

No.	Soc	Length
SPP1700C10	1"	6.83"
SPP1700C20	2"	9.735"



**SLIP x SLIP
TRUE UNION**
1-30 PSI

No.	Slip	Range PSI
SPP1750-20	2"	1 to 14 PSI
SPP1753-20	2"	15 to 30 PSI

HOSE THREAD CHECK VALVE (EPDM Gasket)



3/4" Female Hose Thread, 3/4" Male Hose Thread

No.	Size	Length
SPP1136-07	3/4"	4 1/2"



ADJUSTABLE CHECK VALVE 2-14 PSI

Preset @ 5 PSI

No.	Size	Description
SPP1101-05	1/2"	MIPT x FIPT



ADJUSTABLE CHECK VALVE 2-14 PSI

Preset @ 5 PSI

No.	Size	Description
SPP1100-05	1/2"	FIPT x FIPT
SPP1100-07	3/4"	FIPT x FIPT
SPP1100-10	1"	FIPT x FIPT

FLO CONTROL PVC SWING CHECK VALVE

Rated @ 125 PSI Static Pressure @ 75 PSI



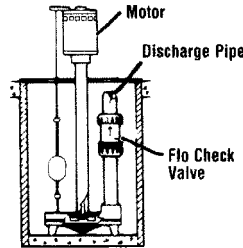
PVC SWING CHECK SOLVENT WELD

No.	Slip	Length
SPP1520-05	1/2"	4 1/2"
SPP1520-07	3/4"	4 1/2"
SPP1520-10	1"	5 1/2"
SPP1520-12	1 1/4"	5 1/4"
SPP1520-15	1 1/2"	5 3/4"
SPP1520-20	2"	6"
SPP1520-30	3"	9"
SPP1520-40	4"	9 1/2"



SUMP PUMP SWING CHECK

Compression Connection with Buna-N Gaskets for both 1 1/4" & 1 1/2" Pipe



No.	Size	Length
SPP1400-15	1 1/4" - 1 1/2"	5 1/4"



PVC SWING CHECKS COMPRESSION

Designed to be installed between two unthreaded pipes of same size.

No.	Size	Length
SPP1500-12	1 1/4"	7 1/2"
SPP1500-20	2"	9 3/4"
SPP1500-30	3"	14"



CLEAR PVC SWING CHECK SOLVENT WELD

No.	Slip	Length
SPP1520C05	1/2"	4 1/2"
SPP1520C07	3/4"	4 1/2"
SPP1520C10	1"	5 1/2"
SPP1520C15	1 1/2"	5 3/4"
SPP1520C20	2"	6"
SPP1520C30	3"	9"



PVC TRUE UNION SWING CHECK VALVES - White

No.	Slip	Length
SPP1720-15	1 1/2" IPS	8.003
SPP1720-20	2" IPS	9.593



CLEAR PVC SWING CHECKS COMPRESSION

Designed to be installed between two unthreaded pipes of same size.

No.	Size	Length
SPP1500C15	1 1/2"	7 1/2"
-	2"	9 3/4"



PVC TRUE UNION SWING CHECK VALVES - Clear

No.	Slip x Slip	Length
SPP1720C15	1 1/2" IPS	8.003
SPP1720C20	2" IPS	9.593



PVC BACKWATER VALVE

Gasketed Flapper

No.	Slip
SPP1530-30	3" x 3"



CPVC 90° SPRING CHECK VALVE

No.	Tension	Size	Length
SPP1900-15	1/2 lb.	1 1/2"	5"
SPP1901-15	1 lb.	1 1/2"	5"
SPP1903-15	3 lbs.	1 1/2"	5"
SPP1900-20	1/2 lb.	2" S x 2 1/2" SPG	5 1/2"
SPP1901-20	1 lb.	2" S x 2 1/2" SPG	5 1/2"
SPP1903-20	3 lbs.	2" S x 2 1/2" SPG	5 1/2"



VALVE SCREENS

Use on any check valve with a FPT intake to convert to a foot valve.

No.	MPT	Length
SPP1800-10	1"	2 1/2"
SPP1800-12	1 1/4"	3 1/2"
SPP1800-15	1 1/2"	3 3/8"
SPP1800-20	2"	3 1/2"



ABS BACKWATER VALVE

Gasketed Flapper

No.	Slip
SPP1530A40	4" x 4"

- Molded with no parting line
- Functional from 1 to 150 PSI
- Check Valves are "Zero-Gravity" Fittings

- Can be mounted in any position
- ISO 9000 certified
- Manufactured from FDA approved resins

- 1/2 lb. spring
- Opens @ 5-8 PSI
- Closes @ 2 PSI



CHECK VALVES

No.	Tube ID
Nylon Body / Neoprene Diaph.	
SPP60-18NN	1/8"
SPP60-316NN	3/16"
SPP60-14NN	1/4"
SPP60-38NN	3/8"
Kynar Body / Viton Diaph.	
-	3/16"
SPP60-14KV	1/4"
SPP60-38KV	3/8"
Poly Propylene Body / Viton Diaph.	
SPP60-18PV	1/8"
SPP60-316PV	3/16"
-	1/4"
SPP60-38PV	3/8"



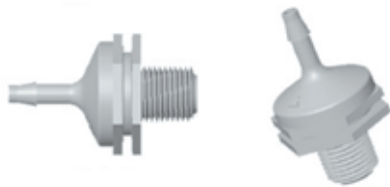
REDUCING CHECK VALVES

No.	Tube ID x ID
Nylon Body / Neoprene Diaph.	
SPP60-31618NN	3/16" x 1/8"
SPP60-3818NN	3/8" x 1/8"
Kynar Body / Viton Diaph.	
SPP60-3818KV	3/8" x 1/8"



ENLARGING CHECK VALVES

No.	Tube ID x ID
Polycarbonate Body / Silicone Diaph.	
SPP61-38PV	1/8" x 1/4"
Nylon Body / Neoprene Diaph.	
SPP60-1438NN	1/4" x 3/8"



CHECK VALVE BULK HEAD MPT x HB

- Precision molded
- Features same as above

No.	MPT x Tube ID
Nylon Body / Neoprene Diaph.	
SPP61-18NN	1/8" x 1/8"
SPP61-38NN	1/8" x 3/8"
Kynar Body / Viton Diaph.	
SPP61-316KV	1/8" x 3/16"
Polycarbonate Body / Viton Diaph.	
SPP61-14PV	1/8" x 1/4"
SPP61-38PV	1/8" x 3/8"



DRAIN COCK

- Tee handle with bibb
- External seat

No.	MPT
SPP239-18	1/8" x 1/8"
SPP239-14	1/4" x 1/4"



DRAIN COCK

- Tee handle
- External seat

No.	MPT
SPP240-18	1/8" x 1/8"
SPP240-14	1/4" x 1/4"
SPP240-38	3/8" x 3/8"
SPP240-12	1/2" x 1/2"



DRAIN COCK

- Forged Tee handle
- Internal seat

No.	MPT
SPP242-18	1/8" x 1/8"
SPP242-14	1/4" x 1/4"
SPP242-38	3/8" x 3/8"



DRAIN COCK

- Lever handle

No.	MPT
SPP241-A	1/8" x 1/8"
SPP241-B	1/4" x 1/4"
SPP241-12	1/2" x 1/2"



DRAIN COCK

- Tee handle
- Internal seat

No.	MPT
SPP243-18	1/8" x 1/8"
SPP243-14	1/4" x 1/4"



90° DRAIN COCK

- Tee handle with bibb
- Internal seat

No.	MPT
SPP245-18	1/8" x 1/8"
SPP245-14	1/4" x 1/4"



BRASS SHUTOFF COCK PIPE THREAD

No.	Size
SPP2103-18	1/8" FPT x 1/8" FPT
SPP2103-14	1/4" FPT x 1/4" FPT
SPP2120-18	1/8" FPT x 1/8" MPT
SPP2120-14	1/4" FPT x 1/4" MPT
SPP2120-38	3/8" FPT x 3/8" MPT
SPP2122-18	1/8" MPT x 1/8" MPT
SPP2122-14	1/4" MPT x 1/4" MPT



BRASS COMPRESSION SHUTOFF

No.	Size
SPP2062-14	1/4" Tube x 1/4" Tube
SPP2062-38	3/8" Tube x 3/8" Tube



NEEDLE VALVE FLARE

No.	Size
SPP3048-1418	1/4" FL x 1/8" MPT
SPP3048-51614	5/16" FL x 1/4" MPT
SPP3042-14	1/4" FL x 1/4" FL



BRASS SHUTOFF COCK FLARE (FL)

No.	Size
SPP2042-14	1/4" FL x 1/4" FL
SPP2042-12	1/2" FL x 1/2" FL



90° NEEDLE VALVE

- Available in pipe thread, flare or compression

No.	Size
SPP3069-1418	1/4" Comp x 1/8" MPT
SPP3069-14	1/4" Comp x 1/4" MPT
SPP3069-3818	3/8" Comp x 1/8" MPT
SPP3069-3814	3/8" Comp x 1/4" MPT
SPP3049-51614	5/16" FL x 1/4" MPT



NEEDLE VALVE COMPRESSION

No.	Size
SPP3068-31618	3/16" Comp x 1/8" MPT
SPP3068-1418	1/4" Comp x 1/8" MPT
SPP3068-51618	5/16" Comp x 1/8" MPT
SPP3068-51614	5/16" Comp x 1/4" MPT



FPT x MPT BRASS SHUTOFF

No.	Size
SPP3120-14	1/4" FPT x 1/4" MPT
SPP3103-18	1/8" FPT x 1/8" FPT
SPP3103-14	1/4" FPT x 1/4" FPT
SPP3122-A	1/8" MPT x 1/8" MPT
SPP3122-14	1/4" MPT x 1/4" MPT



NEEDLE VALVE ASSEMBLY

- Fits up to 3/4" pipe

No.	O.D. Tubing
SPPS3069-14	1/4"

STANDARD PORT FORGED BRASS BALL VALVE



- 400 PSI W.O.G (Cold Water, Oil, Gas)
- 150 PSI saturated steam
- Blow-out proof stem
- Forged brass stem

No.	Copper x FPT	Port
SPP6105-15	1 1/2" x 1 1/2"	1.2598"

STANDARD PORT FORGED BRASS BALL VALVE



- 600 PSI W.O.G (Cold Water, Oil, Gas)
- Blow-out proof, forged brass stem

No.	Pex x Pex
SPP6106-05	1/2"
SPP6106-07	3/4"

FULL PORT BRASS BALL VALVE



600 PSI

No.	Port
SPP91.000.005	1" FNPT
SPP91.000.006	1-1/4"
SPP91.000.008	2" FNPT
SPP91.000.010	3" FNPT

BRASS GAS BALL VALVES



5G

STANDARD 3.88 (USA)
STANDARD CR91-002 (CAN)
5 PSIG RATED GAS VALVE

ANSI
AMERICAN NATIONAL
STANDARDS INSTITUTE

1/2PSI

ANSI Z21.15 (USA)
CGA 9.1 (CAN)
1/2 PSIG APPLIANCE VALVE



MH15973
Listed
2J73

FORGED BRASS GAS BALL VALVE



- Forged brass body
- 3/8" Flare x 3/8" Flare Yellow Handle
- 1/2" Flare x 1/2" Flare

No.	Flare	Port
SPP6157-03	3/8"	0.400"
SPP6157-05	1/2"	0.400"

FORGED BRASS GAS BALL VALVE



- Two piece body design
- Forged brass body

No.	MPT x Flare	Port
SPP6155-0503	1/2" x 3/8"	0.400"

FORGED BRASS GAS BALL VALVE



- Two piece body design
- Forged brass body

No.	FPT	Port
SPP6151-03	3/8"	0.400"
SPP6151-05	1/2"	0.400"
SPP6151-07	3/4"	0.600"
SPP6151-10	1"	0.800"

FORGED BRASS GAS BALL VALVE



- Two piece body design
- Forged brass body
- 1/2" FPT x 3/8" Flare Yellow Handle
- 1/2" FPT x 1/2" Flare

No.	FPT x Flare	Port
SPP6153-0503	1/2" x 3/8"	0.400"
SPP6153-0505	1/2" x 1/2"	0.400"

NICKEL PLATED BRASS FULL PORT BALL VALVES



- 150 PSI saturated steam
- 1/4" through 2" rated 600 PSI WOG
- 2 1/2" through 4" rated 400 PSI WOG
- Teflon packing
- Chrome plated ball



No.	FPT	Port
SPP6115-02	1/4"	0.393"
SPP6115-03	3/8"	0.393"
SPP6115-05	1/2"	0.590"
SPP6115-07	3/4"	0.787"
SPP6115-10	1"	0.984"
SPP6115-12	1 1/4"	1.259"
SPP6115-15	1 1/2"	1.575"
SPP6115-20	2"	1.969"

FORGED BRASS FULL PORT VALVE WITH DRAIN



- 600 PSI W.O.G (Cold Water, Oil, Gas)
- 150 PSI saturated steam
- Blow-out proof stem

No.	Copper x Copper	Port
SPP6110-05	1/2"	0.499"
SPP6110-07	3/4"	0.787"
SPP6110-10	1"	0.984"

FORGED BRASS FULL PORT BALL VALVE WITH DRAIN



- 600 PSI W.O.G (Cold Water, Oil, Gas)
- 150 PSI saturated steam
- Blow-out proof stem

No.	FPT	Port
SPP6109-05	1/2"	0.499"
SPP6109-07	3/4"	0.787"
SPP6109-10	1"	0.984"

FULL PORT FORGED BRASS COMPRESSION VALVE WITH DRAIN



- 600 PSI W.O.G (Cold Water, Oil, Gas)
- Blow-out proof, forged brass stem

No.	Comp.
SPP6107-05	1/2" x 1/2"
SPP6107-07	3/4" x 3/4"

FORGED BRASS FULL PORT BALL VALVES



- 1/4" through 2" rated 600 PSI WOG
- Over 2" - 400 PSI WOG
- 150 PSI saturated steam
- Teflon packing
- Chrome plated ball



No.	Copper x Copper	Port
SPP6113-05	1/2"	0.590"
SPP6113-07	3/4"	0.787"
SPP6113-10	1"	0.984"
SPP6113-12	1 1/4"	1.259"
SPP6113-15	1 1/2"	1.575"
SPP6113-20	2"	1.969"
-	2 1/2"	2.559"
SPP6113-40	4"	3.937"

No.	FPT	Port
SPP6115B-02	1/4"	0.393"
SPP6115B-05	1/2"	0.590"
SPP6115B-07	3/4"	0.787"
SPP6115B-10	1"	0.984"
SPP6115B-15	1 1/2"	1.575"
SPP6115B-20	2"	1.969"
SPP6115-25	2 1/2"	2.559"
SPP6115-30	3"	2.952"
SPP6115-40	4"	3.937"

FULL PORT FORGED BRASS COMPRESSION VALVE NO DRAIN



- 600 PSI W.O.G (Cold Water, Oil, Gas)
- Blow-out proof, forged brass stem

No.	Comp.
SPP6108-05	1/2" x 1/2"
SPP6108-07	3/4" x 3/4"
SPP6108-10	1" x 1"

FORGED BRASS MINI BALL VALVES



- 600 PSI W.O.G (Cold Water, Oil, Gas) except 6112-0102 only 200 WOG
- Forged Brass construction
- Teflon packing and seat
- Chrome plated ball

No.	FPT x FPT
SPP6111-01	1/8" x 1/8"
SPP6111-02	1/4" x 1/4"
MPT x FPT	
SPP6112-01	1/8" x 1/8"
SPP6112-0102	1/8" x 1/4"
SPP6112-02	1/4" x 1/4"

FULL PORT LOCKING HANDLE BRASS BALL VALVE



- Patented locking device
- Max 600 PSI up to 2" Max 450 PSI over 2"
- 150 WSP all sizes
- -40°F to 350°F
- Viton o-rings
- Blow-out proof stem
- Padlock not included
- Chrome plated brass ball



No.	FPT	Port
SPP6114-02	1/4"	0.314"
SPP6114-03	3/8"	0.393"
SPP6114-05	1/2"	0.590"
SPP6114-07	3/4"	0.787"
SPP6114-10	1"	0.984"
SPP6114-12	1 1/4"	1.259"
SPP6114-15	1 1/2"	1.574"
SPP6114-20	2"	1.968"
SPP6114-25	2 1/2"	2.559"
SPP6114-30	3"	3.149"
SPP6114-40	4"	3.937"

BRASS BALL VALVES



No.	FPT	Port
SPP91.000.001	1/4"	0.393"
SPP91.000.002	3/8"	0.393"
SPP91.000.003	1/2"	0.590"
SPP91.000.004	3/4"	0.787"
SPP940180	3"NPT	400PSI WOG

CHROME PLATED BRASS BALL VALVE



- Max 300 PSI
- Max 212°F
- Chromed brass ball, stem & body
- Teflon seat and viton seals
- Nylon lever handle

No.	Size
SPP90FML14	1/4" FPT x 1/4" MPT
SPP90FML38	3/8" FPT x 3/8" MPT

CHROME PLATED BRASS BALL VALVE



- Max 300 PSI
- Max 212°F
- Chromed brass ball, stem & body
- Teflon seat and viton seals
- Nylon butterfly handle

No.	Size
SPP90FFB14	1/4" FPT
SPP90FMB14	1/4" FPT x 1/4" MPT
SPP90FMB38	3/8" FPT x 3/8" MPT
SPP90FFB12	1/2" FPT
SPP91.401.103	1/2" FPT x 1/2" MPT



FORGED BRASS GATE VALVE

FPT

- 200 PSI W.O.G (Cold Water, Oil, Gas)
- Cast hand wheel
- Meets ANSI / NSF

No.	FPT	Port
SPP6010-02	1/4"	0.433"
SPP6010-03	3/8"	0.472"
SPP6010-05	1/2"	0.531"
SPP6010-07	3/4"	0.748"
SPP6010-10	1"	0.984"
SPP6010-12	1 1/4"	1.259"
-	1 1/2"	1.496"
SPP6010-20	2"	1.929"
SPP6010-25	2 1/2"	2.441"
SPP6010-30	3"	2.952"
SPP6010-40	4"	3.622"



CAST BRASS GATE VALVE

COPPER X COPPER

- 200 PSI W.O.G (Cold Water, Oil, Gas)
- Cast hand wheel
- Meets ANSI / NSF

No.	C x C	Port
SPP6011-07	3/4"	0.748"
SPP6011-10	1"	0.984"
SPP6011-12	1 1/4"	1.259"
SPP6011-20	2"	1.929"



FORGED BRASS STOP VALVE

FPT X FPT



- NSF 61-8 approved
- Max. 200°F (93°C)
- Min. 20°F (-6°C)
- Max. 150 PSI
- Teflon packing

No.	FPT
SPP6023-05	1/2"
SPP6023-07	3/4"

FORGED BRASS STOP/WASTE VALVES
SEE ABOVE FOR FEATURES

SPP6024-07	3/4"
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FORGED BRASS STOP VALVE

COPPER X COPPER



- NSF 61-8 approved
- Max. 200°F (93°C)
- Min. 20°F (-6°C)
- Max. 150 PSI
- Teflon packing

No.	C x C
SPP6025-05	1/2"
SPP6025-07	3/4"



BRONZE GATE VALVE

FPT X FPT

- 200 PSI W.O.G (Cold Water, Oil, Gas)
- 125 PSI saturated steam
- Cast bronze construction
- Non-rising stem
- Solid wedge disc
- Cast hand wheel

No.	FPT	Port
SPP6012-05	1/2"	0.508"
SPP6012-07	3/4"	0.760"
SPP6012-10	1"	0.960"
SPP6012-12	1 1/4"	1.268"
SPP6012-15	1 1/2"	1.500"
SPP6012-20	2"	1.972"
SPP6012-25	2 1/2"	2.520"
SPP6012-30	3"	3.000"
-	4"	3.680"



BRONZE GATE VALVE

COPPER X COPPER

- 200 PSI W.O.G (Cold Water, Oil, Gas)
- 125 PSI saturated steam
- Cast bronze construction
- Non-rising stem
- Solid wedge disc
- Cast hand wheel

No.	C x C	Port
SPP6013-05	1/2"	0.508"
SPP6013-07	3/4"	0.760"
SPP6013-10	1"	0.960"
SPP6013-12	1 1/4"	1.268"
SPP6013-20	2"	1.972"



CAST BRASS STOP VALVE



- Max. 125 PSI
- Max. 212°F (100°C)
- Cast hand wheel

STOP VALVE

No.	FPT
SPP6023-07	3/4"

STOP WASTE VALVE WITH DRAIN

SPP6020-07	3/4"
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CAST BRASS STOP VALVE WITH DRAIN

COPPER X COPPER

- Max. 125 PSI
- Max. 212°F (100°C)
- Cast hand wheel

No.	C x C
SPP6022-05	1/2"



COMPRESSION GATE VALVE

- 200 PSI W.O.G (Cold Water, Oil, Gas)
- Non-rising stem
- Solid wedge disc
- Compression ring & nut
- Cast hand wheel
- Meets ANSI / NSF61-8

No.	Com.	Port
SPP6014-05	1/2"	0.508"
SPP6014-07	3/4"	0.760"
SPP6014-10	1"	0.960"



BRASS COMPRESSION STOP VALVE



- Max 200°F (93°C)
- Min 20°F (-6°C)
- Max 125 PSI
- Rubber packing

No.	Comp x Comp
SPP6029-05	1/2"
SPP6029-07	3/4"
Compression Valve with Drain	
SPP6030-05	1/2"
SPP6030-07	3/4"



BRASS PEX VALVE WITH DRAIN

- Max 150 PSI
- Max 180° F

No.	Pex x Pex
SPP6032-05	1/2"
SPP6032-07	3/4"

**NON-FREEZE
LAWN FAUCETS**



- Self-draining vacuum breaker
- Dual connection: 1/2" MPT or Copper
- Chrome Plated
- Garden hose connection
- CSA approved
- Shipped with a plastic insert to facilitate proper installation.

No.	Length
1/2" MPT x 1/2" CxC Connection	
-	4"
SPP6052-06	6"
-	8"
-	10"
SPP6052-12	12"
-	14"
3/4" MPT x 1/2" FPT Connection	
SPP6053-10	10"
-	12"

**NON-FREEZE
LAWN FAUCETS**



- Connections size 1/2" MPT & 1/2" Copper
- Chrome plated
- Garden hose connection
- CSA approved
- Shipped with a plastic insert to facilitate proper installation.

No.	Length
-	4"
SPP6051-06	6"
SPP6051-08	8"
SPP6051-10	10"
SPP6051-12	12"
SPP6051-14	14"

**NON-FREEZE PEX
LAWN FAUCETS**



- 1/2" Pex connection
- Chrome plated body & tube
- Black cast handle
- Garden hose outlet connection
- Built in self-draining vacuum breaker

No.	Length
SPP0865P-080	8"
SPP0865P-100	10"
SPP0865P-120	12"
SPP0865P-140	14"

**FORGED BRASS BOILER
DRAIN/SEDIMENT FAUCETS**



FPT x FGHT

- Max 200°F (93°C)
- Min 20°F (-6°C)
- Max 150 PSI

No.	FPT x MGHT
SPP6028-05	1/2" x 3/4"
SPP6028-07	3/4" x 3/4"

**FORGED BRASS BOILER
DRAIN/SEDIMENT FAUCETS**



MPT x MGHT

- Max 200°F (93°C)
- Min 20°F (-6°C)
- Max 125 PSI

No.	MPT x MGHT
SPP6027-05	1/2" x 3/4"
SPP6027-07	3/4" x 3/4"

**CAST BRASS
HOSE BIBB**



PEX x MGHT

- For PEX Pipe
- Max. 212°F (100°C)
- Max. 125 PSI
- Cast hand wheel
- CSA Approved
- CSA does not apply to pex end

No.	Pex x MGHT
SPP6018-05	1/2" x 3/4"

BRONZE VACUUM BREAKER



- Manual drain
- Break-away set screw
- For vandal proof installation

No.	MGHT x FGHT
SPP6050-07	3/4" x 3/4"

**1/4 TURN BALL
HOSE BIBB**



MPT x MGHT

- Max 248°F (120°C)
- Max 200 PSI
- Cast on/off hand lever

No.	MPT x MGHT
SPP6035-05	1/2" x 3/4"
SPP6035-07	3/4" x 3/4"

**ROUGH BRASS
HOSE BIBB**



MPT x MGHT

- Max. 180°F
- Max. 125 PSI

No.	Inlet	Outlet
SPP6034-05	1/2" MPT	3/4" MGHT
SPP6034-07	3/4" MPT	3/4" MGHT

THREE WAY BRASS BALL VALVE



- Chrome plated brass ball
- 1/4 turn on/off lever action
- Plastic coated handle
- Max 400 PSI WOG
- Teflon seats
- Full Port

No.	FPT
SPPBV2101-E	3/4"
SPPBV2101-H	1"

BLACK CARBON-STEEL BALL VALVES



- Full port
- Max. 2000 PSI

No.	FPT	Weight
SPP3600	1/4"	0.17 lbs.
SPP3601	3/8"	0.16 lbs.
SPP3602	1/2"	0.64 lbs.
SPP3603	3/4"	1.02 lbs.
SPP3605	1 1/4"	3.10 lbs.
SPP3607	2"	8.30 lbs.



NEEDLE VALVE

- 6000 PSI W.O.G.
- Threaded Ends

No.	FPT
-	1/4"
-	3/8"
-	1/2"
SPP3480	3/4"
SPP3481	1"



STAINLESS STEEL FULL PORT BALL VALVE

- Blowout proof stem
- 1000 PSI W.O.G.
- Adj. packing nut
- Locking handle
- Floating ball

No.	FPT
SPP7411	1/4"
SPP7412	3/8"
SPP7413	1/2"
SPP7414	3/4"
SPP7415	1"
SPP7416	1 1/4"
SPP7417	1 1/2"
SPP7418	2"
SPP7422	2 1/2"
-	3"
SPP7423	4"

STAINLESS STEEL BALL VALVES



- Full port
- Max 6000 PSI
- Weight 1.98 lbs.

No.	FPT
SPP85.300.046S	3/8"

CARBON STEEL BALL VALVE



- Restricted port ball
- Max 2000 PSI
- Size 1/2"

No.	FNPT
SPP91.300.003	1/2"



FULL PORT GATE VALVE

- Threaded ends
- 200 PSI W.O.G.
- Investment casting
- Non-rising stem and handwheel

No.	FPT
SPP7393SS	3/4"
SPP7394SS	1"
SPP7395SS	1 1/4"
SPP7396SS	1 1/2"
SPP7397SS	2"



STAINLESS STEEL 3 PIECE BALL VALVE

- Full port
- 1000 PSI W.O.G.
- Blow out proof stem
- Adj. packing nut
- Floating ball

No.	FPT
SPP7470	1/4"
SPP7471	3/8"
SPP7472	1/2"
SPP7473	3/4"
SPP7474	1"
SPP7475	1 1/4"
SPP7476	1 1/2"
SPP7479	3"

STEEL BALL VALVES



- Full Port
- Max 7350 PSI
- Weight 1.98 lbs.

No.	FPT
SPP85.300.046	3/8"



STAINLESS STEEL 3 WAY BALL VALVE

- Adj. stem seals
- Blow out proof stem
- 1000 PSI W.O.G.
- "L" port
- 360° rotation

No.	FPT
SPP7435	1/2"
SPP7436	3/4"
SPP7437	1"
-	1 1/2"
-	2"

STAINLESS STEEL REDUCED PORT BALL VALVE



- One piece body
- Temp. -20° to 450°F
- 800 PSI W.O.G.
- Blowout proof stem
- Lock out handle
- Floating ball

No.	FPT
SPP7462	1/4"
SPP7463	3/8"
SPP7464	1/2"
SPP7465	3/4"
SPP7466	1"
SPP7467	1 1/4"
SPP7468	1 1/2"
SPP7469	2"



PVC TRUE UNION BALL VALVE

- Shipped complete with both thread and slip connections

- True union ballvalve
- Two way blocking
- Teflon seats
- 150 PSI @ 73°F

- Full port
- EPDM o-ring

No.	FPT
SPP0924-05	1/2"
SPP0924-07	3/4"
SPP0924-10	1"
SPP0924-12	1 1/4"
SPP0924-15	1 1/2"
SPP0924-20	2"
SPP0924-40	4"



PVC TRUE UNION BALL VALVE

- Shipped complete with both thread and slip connections
- True union ball valve
- Two way blocking
- Teflon seats

- Full port
- 150 PSI @ 73°F
- Viton O-ring

No.	FPT
SPP0926-05	1/2"
SPP0926-07	3/4"
SPP0926-10	1"
SPP0926-15	1 1/2"
SPP0926-25	2 1/2"
SPP0926-30	3"



POLYPROPYLENE BALL VALVE

- Ideal for end nozzles
- EPDM o-ring seals
- FDA Grade PVC
- Max 250 PSI

No.	Size
SPP3170	1/4" FPT x 1/4" FPT

PVC THREADED CHECK VALVE



No.	FPT	Mfr Part#
SPP75990	1/2"	PCV-050
SPP75991	1"	1710-10
SPP75992	1-1/4"	PCV-125
SPP75993	1-1/2"	PCV-150
SPP75994	2"	1710-20



PVC COMPACT BALL VALVE

- EPDM
- Shock-resistant
- Full Port
- Max: 150 PSI
- Temp. range: 32°F - 122°F (0°C - 50°C)
- **Not NSF Approved**

Size	FPT	Slip
1/2"	SPP3181-2	3181-3
3/4"	SPP3182-2	3182-3
1"	SPP3183-2	3183-3
1 1/4"	SPP3184-2	3184-3
1 1/2"	SPP3185-2	3185-3
2"	SPP3186-2	3186-3



HERSHEY PVC COMPACT BALL VALVE

- Shock-resistant
- 150 PSI working temp. @ 73°F (22°C)
- Excellent flow characteristics
- Full port
- EPDM rubber parts
- Suitable for Schedule 40 & 80 pipe

Size	FPT	Slip
1/2"	SPP3181	SPP3221
3/4"	SPP3182	SPP3222
1"	SPP3183	SPP3223
1 1/4"	SPP3184	SPP3224
1 1/2"	SPP3185	SPP3225
2"	SPP3186	SPP3226
2 1/2"	SPP3187	SPP3227
3"	SPP3188	SPP3228
4"	SPP3189	SPP3229



HERSHEY PVC COMPACT BALL VALVE

- Viton
- Shock-resistant
- 150 PSI working temp. @ 73°F (22°C)
- Excellent flow characteristics
- Full port
- EPDM rubber parts
- Suitable for Schedule 40 & 80 pipe
- Maintenance free design

Size	FPT	Slip
1/2"	SPP3181VI	3221VI
3/4"	SPP3182VI	3222VI
1"	SPP3183VI	3223VI
1 1/4"	SPP3184VI	3224VI
1 1/2"	SPP3185VI	3225VI
2"	SPP3186VI	3226VI



FPT X FPT PVC THREADED CHECK VALVE

No.	Size
SPP76152	3/4"



FPT x FPT PVC BALL VALVES

No.	FPT
SPP76527	1/2"
SPP76528	3/4"
SPP76529	1"
SPP76530	1 1/4"
SPP76531	1 1/2"
SPP76532	2"
SPP76533	3"

POLYPROPYLENE MICRO VALVES

- 90° rotating handle
- Precision molded polypropylene reinforced with fiberglass for additional strength
- Standard FKM (viton type) seats & o-rings
- 300 PSI Max.

HOSE BARB



No.	HB
SPPLVHB038V	3/8"
SPPLVHB050V	1/2"
SPPLVHB075V	3/4"

FPT



No.	FPT
SPPLV025V	1/4"
SPPLV038V	3/8"
SPPLV050V	1/2"

FPT TO MPT



No.	FPT	MPT
SPPLV025MTV	1/4"	1/4"
SPPLV038MTV	3/8"	3/8"
SPPLV038050MTV	3/8"	1/2"
SPPLV050MTV	1/2"	1/2"
SPPLV050100MTV	1/2"	1"

HB TO MPT



No.	HB	MPT
SPPLVHB038050MTV	3/8"	1/2"
SPPLVHB075MTV	3/4"	3/4"
SPPLVHB075100MTV	3/4"	1"

FPT SIDE LOAD



No.	Size
SPPLV050SLV	1/2"

POLYPROPYLENE PUSH LOCK MICRO VALVES

- John Guest® fitting
- 90° rotating handle
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Standard FKM (viton type) seats and O-rings
- 150 PSI Max.



No.	Tube OD	Opening
SPPLVPL025V	1/4"	3/8"
SPPLVPL038V	3/8"	3/8"



SIDE LOAD THREE WAY FULL PORT

Directional flow either right or left. Cannot be turned off.

No.	FPT	Ports
SPPV075SL	3/4"	1"
SPPV100SL	1"	1"
SPPV150SL	1 1/2"	1 1/2"
SPPV200SL	2"	2"



BOTTOM LOAD THREE WAY FULL PORT

Directional flow either right or left. Valve can be turned off to stop flow.

No.	FPT	Ports
SPPV075BL	3/4"	1"
SPPV100BL	1"	1"
SPPV125BL	1 1/4"	1 1/2"
SPPV150BL	1 1/2"	1 1/2"
SPPV200BL	2"	2"



SINGLE UNION POLYPROPYLENE BALL VALVE

- Safety Block Feature
- Full Port
- Precision ground ball
- Female threaded brass mounting inserts for 1/4", 1/2", & 2"
- Teflon seats with EPDM o-rings under seat for positive seal
- Double o-rings in stem area
- Max. 150 PSI at 75°F

No.	FPT
SPP4542132N	1/2"
SPP4542133N	3/4"
SPP4542134N	1"
SPP4542135N	1 1/4"
SPP4542136N	1 1/2"
SPP4542137N	2"



BANJO SINGLE UNION POLYPROPYLENE BALL VALVE

- Molded in glass reinforced polypropylene
- EPDM & Viton o-rings available
- Double o-rings in stem area
- Max. 100 PSI at 72°F
- Max. 75 PSI at 150°F
- Teflon seats

No.	FPT
SPPSUV050FP	1/2"
SPPSUV075FP	3/4"
SPPSUV100FP	1"
SPPSUV125FP	1 1/4"
SPPSUV150FP	1 1/2"
SPPSUV200FP	2"



THREE WAY SINGLE UNION POLYPROPYLENE BALL VALVE

- Side load
- Centre is off position
- All other features same as 3231 to 3236

No.	FPT
SPP9951-3050N	1/2"
SPP9951-3075N	3/4"
SPP9951-3100N	1"
SPP9951-3125N	1 1/4"
SPP9951-3150N	1 1/2"
SPP9951-3200N	2"



FULL PORT SINGLE UNION VALVE

- Max Pressure: 300 PSI at 70°F

No.	Mfg. No.	Size
SPPUV100FP	UV100FP	1"

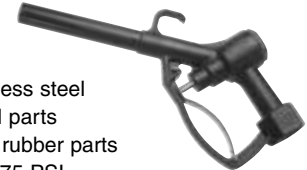
POLY AIR ACTUATED SHUTOFF VALVE



- Bladder pinches shut between 15 to 20 PSI
- EPDM or Viton seals
- Max. 70 PSI

No.	FPT
SPPP075	3/4"
SPPP075V	3/4"
SPPP100	1"
SPPP100-075	1" x 3/4"
SPPP100-075V	1" x 3/4"

BANJO POLY NOZZLE VALVE



- Stainless steel metal parts
- Viton rubber parts
- Max. 75 PSI
- 40 GPM

No.	FPT
SPPVN100	1"

BANJO RIGHT ANGLE BALL VALVE NOZZLE



- Convenient transfer of liquids
- Light weight
- Viton o-rings
- 8" long fill spout
- Max. 100 PSI

No.	Size
SPPVA150	1 1/2" FP
SPPVA200	2" STD
SPPVA200FP	2" FP

POLY SIPHON TUBES



No.	Mfg. No.	MPT
SPPST200	ST200	2"
SPPST300	ST300	3"

FULL PORT EASY-FILL VALVE W/CARRY HANDLE



- Eliminates multiple fittings for fill applications
- Full flow (full port)
- Stubby valve configuration reduces profile
- Extended coupler prevents handle interference
- Max. 100 PSI

No.	Size
SPPVSBHB205FP	2"
SPPVSBHB305FP	3"

- Precision molded in Polypropylene reinforced with fiberglass for additional strength.
- Viton O-ring stem seal.
- Teflon self-lubricating stem bushings and seats cannot stick or bind.

- Stainless Steel Bolts.
- Self-aligning ball moves freely against the Teflon seats for smooth operation.
- Valve opens and closes with very little pressure on the handle.

- Ball is diamond turned after molding to make it spherically perfect, which provides the right contact between ball and seats.
- Maximum operating pressure 100 PSI at 70°F — 75 PSI at 150°F.
- Max. Temperature 185°F

3-WAY BALL VALVE HANDLE RISERS



BL - Bottom Load
SL - Side Load
FP - Full Port
SP - Standard Port

No.	Type
SPPV10153138	3/4" & 1" BL
SPPV10153138BL	1" FP & 1 1/4" SP, 3/4" & 1" SL
SPPV20153138	1 1/4" & 1 1/2" BL
SPPV25153138	2" & 3" FP BL
SPPV25153138BL	2" FP & 2" SL

2" - 4 BOLT STUBBY BALL VALVES



2" FPT x 2" MALE ADAPTER

No.	Mfg. No.	Port
SPPVSF200	VSF200	1 1/2"
SPPVSF204FP	VSF200FP	2"



2" FPT x 2" MPT

No.	Mfg. No.	Port
SPPVSMT200	VSMT200	1 1/2"
SPPVSMT204FP	VSMT204FP	2"



2" MALE ADAPTER x 2" MPT

No.	Mfg. No.	Port
SPPVSFMT200	VSFMT200	1 1/2"
SPPVSFMT204FP	VSFMT200FP	2"



2" 4 BOLT FULL PORT COMBINATION VALVE

No.	Mfg. No.	Port
SPPVFMT204FP	VFMT204FP	2"



BANJO VALVE MOUNTING BRACKETS

- 304 Stainless steel bracket
- For Valve #V150, V200, V200FP, V300, V400, VFMT200FP & VFMT200FSPH

No.	Type
SPPV25270	Straight
SPPV25271	Angle

3" - 6 BOLT STUBBY BALL VALVES



3" MPT x 3" FPT

- 6 Bolt

No.	FPT	Port	MPT
SPPVSMT300	3"	2 1/2"	3"



3" MALE ADAPTER x 3" FPT

- 6 Bolt

No.	FPT	Port	Adapter
SPPVSF300	3"	2 1/2"	3"



3" MALE ADAPTER x 3" MPT

- 6 Bolt

No.	MPT	Port	Adapter
SPPVSFMT300	3"	2 1/2"	3"
SPPVSFMT300FP	3"	3"	3" FP



FULL PORT 6 BOLT COMBINATION 2" MALE ADAPTER

No.	Mfg. No.	Port
SPPVFMT200FP	VFMT200FP	2"



REPLACEMENT HANDLES

No.	For Valves
SPPV10153A	3197-3199, 3200, 3201
SPPV20153	3202, 3203, 3204
SPPV25153	3205, 3206, 3207, 3211



4 BOLT VALVES

No.	Mfg. No.	FPT	Port
SPPV050	V050	1/2"	3/4"
SPPV075	V075	3/4"	3/4"
SPPV100	V100	1"	3/4"
SPPV100FP	V100FP	1"	1"
SPPV125	V125	1 1/4"	1"
SPPV125FP	V125FP	1 1/4"	1 1/2"
SPPV150	V150	1 1/2"	1 1/2"
SPPV200	V200	2"	1 1/2"
SPPV204FP	V204FP	2"	2"



6 BOLT VALVES

No.	Mfg. No.	FPT	Port
SPPV200FP	V200FP	2"	2"
SPPV300	V300	3"	2 1/2"
SPPV300FP	V300FP	3"	3"
SPPV400	V400	4"	3 1/2"



BANJO 2" FULL PORT ANSI FLANGE VALVE

No.	Mfg. No.	Description
SPPVSF200PAF	VSF200PAF	2" Male Adapter
SPPAF200G		2" EPDM Gasket



STUBBY VALVE 2" ADAPTER x 2" HB

No.	Mfg. No.	HB	Adapter
SPPVSFHB200	VSFHB200	2"	2"



STUBBY VALVE 2" FULL PORT FPT x FPT

No.	Mfg. No.	FPT x FPT
SPPVS204FP	VS204FP	2" x 2"



LOCKING HANDLE

No.	For Valves
SPPVL25153	3205, 3206, 3207 & 3211



NEW STYLE SHORT STEM
Part No. SPPVS25151B



WORM GEAR CLAMP
316 Stainless Steel
Gasket not included

No.	Mfg. No.	Flange ID x OD
SPPFC100	FC100	1" x 2"
SPPFC200	FC200	1½" x 3"
SPPFC220	FC220	2" x 3¼"
SPPFC300	FC300	3" x 4¾"



T-BOLT FLANGE CLAMPS
Heavy Duty

- 316 Stainless steel
- 2" - 150 PSI @ 70°F
- 3" - 125 @ 70°F

No.	Size	Torque
SPPFC220TB	2" Full Port	125 in/lbs
SPPFC300TB	3" Full Port	125 in/lbs



BOLTED FLANGE CLAMPS
Stats as above

No.	Size	Torque
SPPFC300B	3"	90-100 in/lbs



WORM GEAR CLAMP GASKETS

EPDM GASKET

No.	Mfg. No.	Flange ID x OD
SPPM100G	M100G	1½" x 1¾"
SPP150G	150G	1¾" x 2¾"D
SPP200G	200G	2" x 2¾"
SPP300G	300G	3" x 3¾"

VITON GASKET

No.	Mfg. No.	Flange ID x OD
SPPM100GV	M100GV	1½" x 1¾"
SPP150GV	150GV	1¾" x 2¾"
SPP200GV	200GV	2" x 2¾"
SPP300GV	300GV	3" x 3¾"

RIBBED FLANGED GASKETS

No.	Size
SPPM101G	1"
SPPM201G	2"
SPPM221G	2" Full Port
SPPM301G	3"

HYPRO UNIVERSAL FLANGE CLAMP



- Black GTX polymer
- 150 PSI @ 70°F
- 3" - 125 @ 70°F

No.	Description
SPPUFC0100	1" Clamp
SPPUFC0150	1½" Clamp
SPPUFC0200	2" Clamp
SPPUFC0300	3" Clamp
SPPUFG0100E-A	1" EPDM Gasket
SPPUFG0150E-A	1½" EPDM Gasket
SPPUFG0200E-A	2" EPDM Gasket
SPPUFG0300E-A	3" EPDM Gasket
SPPBG-UFC0300E	3" Clamps & Gasket



1" MANIFOLD FULL PORT SINGLE UNION SPINWELD VALVE

- PTFE seats for smooth operation and proper sealing characteristics.
- EPDM O-rings to handle many chemicals.
- Double O-rings in stem for extra sealing
- Max 300 PSI at 70°F.

Part No. SPPMSUV100FP



2" SP FLANGE x 2" MPT

VSM200CF

No.	Flange ID	OD	MPT
SPPVSMT200CF	1½"	3"	2"



2" FP FLANGE x 2" FPT

MVS220FP

No.	Flange ID	OD	FPT
SPPMVS220FP	2"	3¼"	2"



2" FP FLANGE x 2" FP FLANGE

MVS220CF

No.	Flange ID	OD	Port
SPPMVS220CF	2"	3¼"	2"



3" MANIFOLD FLANGE x 3" MALE ADAPTER

No.	Flange	Adapter	Port
SPPMVSF300	3"	3"	2½"
SPPMVSF300FP	3" FP	3"	3"



MANIFOLD BALL VALVES

- Flange x Flange
4 Stainless Steel Bolts
- Max. PSI 150

No.	Mfg. No.	Flange	Port
SPPMV100CF	MV100CF	1"	1"
SPPMV200CF	MV200CF	2"	1½"
SPPMV220CF	MV220CF	2" FP	2"



MANIFOLD 3" BALL VALVES

- Flange x Flange
6 Stainless Steel Bolts
- Max. PSI 100

No.	Flange	Port
SPPMV300	3"	2½"
SPPMV300CF	3" FP	3"
SPPMV301CF	3" FP	3" FP

- Stainless steel bolt
- Glass filled polypropylene
- Multiple design options
- Lightweight
- Maximum PSI:
 - 100 PSI @ 70°F
 - 75 PSI @ 150°F



2" SP FLANGE x 2" MALE ADAPTER

VSF200CF

No.	Flange ID	OD	Adapter
SPPVSF200CF	1½"	3"	2"



2" FP FLANGE x 2" MALE ADAPTER

MVSF220FP

No.	Flange ID	OD	Adapter
SPPMVSF220FP	2"	3¼"	2"



MANIFOLD FLANGE x MPT

No.	Flange	MPT	Port
SPPMVSM220FP	2" FP	2"	2"
SPPMVSM220FP	3"	3"	2½"



3-WAY MANIFOLD BALL VALVE SIDE LOAD

- Directional flow right or left
- Valve cannot be turned off to stop flow
- Viton seals
- Max. 100 PSI

No.	Flange ID	OD	Port
SPPMV100SL	1"	2"	1"
SPPMV200SL	1½"	3"	1½"
SPPMV220SL	2"	3¼"	2"



3-WAY MANIFOLD BALL VALVE BOTTOM LOAD

- Directional flow right or left
- Valve can be turned off
- Viton seals
- Max. 100 PSI

No.	Flange ID	OD	Port
SPPMV100BL	1"	2"	1"
SPPMV200BL	1½"	3"	1½"
SPPMV220BL	2"	3¼"	2"
SPPMV300BL	3"	4¾"	3"



3" MANIFOLD STUBBY VALVES

- Max. PSI 100

No.	Flange	Port
SPPMVS300CF	3"	2½"
SPPMVS300CFFP	3" FP	3"



- Positive seals
- Easy on/off hose connections
- 1" & 2" fittings : Max. 150 PSI @ 70°F
- 3" fittings : Max. 125 PSI @ 70°F

Specifications	Full Port 100	Stan. Port 200	Full Port 220	Full Port 300
Inside Diameter	1"	1½"	2"	3"
Outside Diameter	2"	3"	3¼"	4½"

HOSE BARB ADAPTER

No.	Mfg. No.	Flange	HB
SPPM100075BRB	M100075BRB	1"	3/4"
SPPM100BRB	M100BRB	1"	1"
SPPM100125BRB	M100125BRB	1"	1¼"
SPPM200100BRB	M200100BRB	2"	1"
SPPM200125BRB	M200125BRB	2"	1¼"
SPPM200150BRB	M200150BRB	2"	1½"
SPPM200BRB	M200BRB	2"	2"
SPPM220100BRB		2" FP	1"
SPPM220125BRB	M220125BRB	2"	1¼"
SPPM220150BRB	M220150BRB	2" FP	1½"
SPPM220BRB	M220BRB	2" FP	2"
SPPM300220BRB	M300220BRB	3"	2"
SPPM300BRB	M300BRB	3"	3"



MANIFOLD FLANGE CONNECTIONS FITTING

No.	Mfg. No.	Flange	FPT
SPPM300400BRB	M300400BRB	3"	4"



FPT ADAPTER

No.	Mfg. No.	Flange	FPT
SPPM100050FPT	M100050FPT	1"	1½"
SPPM100075FPT	M100075FPT	1"	3/4"
SPPM100FPT	M100FPT	1"	1"
SPPM200FPT	M200FPT	2"	2"
SPPM220FPT	M220FPT	2" FP	2"
SPPM300FPT	M300FPT	3"	3"



MPT ADAPTER

No.	Mfg. No.	Flange	MPT
SPPM100075MPT	M100075MPT	1"	3/4"
SPPM100MPT	M100MPT	1"	1"
SPPM100125MPT	M100125MPT	1"	1"
SPPM200125MPT	M200125MPT	2"	1¼"
SPPM200150MPT	M200150MPT	2"	1½"
SPPM200MPT	M200MPT	2"	2"
SPPM220MPT	M220MPT	2" FP	2"
SPPM300MPT	M300MPT	3"	3"



FLANGE "Y" COUPLING

*3/4" Gauge Port

No.	Mfg. No.	Flange
SPPM220Y45	M220Y45	2" FP
SPPM220YG45	M220YG45	2" FP*
SPPM300Y45		3"
SPPM300YG45		3**



90° HOSE BARB ADAPTER

No.	Mfg. No.	Flange	HB
SPPM100075BRB90	M100075BRB90	1"	3/4"
SPPM100BRB90	M100BRB90	1"	1"
SPPM100125BRB90	M100125BRB90	1"	1¼"
SPPM100150BRB90	M100150BRB90	1"	1½"
SPPM200100BRB90	M200100BRB90	2"	1"
SPPM200125BRB90	M200125BRB90	2"	1¼"
SPPM200150BRB90	M200150BRB90	2"	1½"
SPPM200BRB90	M200BRB90	2"	2"
SPPM220150BRB90	M220150BRB90	2" FP	1½"
SPPM220BRB90	M220BRB90	2" FP	2"
SPPM300220BRB90	M300220BRB90	3"	2"
SPPM300BRB90	M300BRB90	3"	3"



FLANGE TEE

No.	Mfg. No.	Size
SPPM100TEE	M100TEE	1"
SPPM200100TEE	M200100TEE	2" Port x 1"
SPPM200TEE	M200TEE	2" Port
SPPM220100TEE	M220100TEE	2" FP x 1"
SPPM220200TEE	M220200TEE	2" FP x 2"
SPPM220TEE	M220TEE	2" FP
SPPM300TEE	M300TEE	3"



FLANGE CROSS

No.	Mfg. No.	Flange
SPPM100CR	M100CR	1"
SPPM200CR	M200CR	2"
SPPM220CR	M220CR	2" FP
SPPM300CR	M300CR	3"



FLANGE 90° ELBOW

No.	Mfg. No.	Flange
SPPM100CPG90	M100CPG90	1"
SPPM200CPG90	M200CPG90	2"
SPPM200CPG90SH	M200CPG90SH	2" Short
SPPM220CPG90	M220CPG90	2" FP
SPPM300CPG90	M300CPG90	3" FP



3" MANIFOLD "Y"
3" FP Flange x 2" FP Flange
Part No.
SPPM300220WYCG



FLANGE 45° ELBOW

No.	Mfg. No.	Size
SPPM100CPG45	M100CPG45	1"
SPPM200CPG45	M200CPG45	2"
SPPM220CPG45	M220CPG45	2" FP
SPPM300CPG45	M300CPG45	3" FP



FLANGE COUPLING

No.	Mfg. No.	Size
SPPM100CPG	M100CPG	1" x 2¼" Long
SPPM200CPG	M200CPG	2" x 4½" Long
SPPM220CPG	M220CPG	2" FP x 2³⁄₈" Long
SPPM220CPG6	M220CPG6	2" FP x 6" Long
SPPM300CPG	M300CPG	3" FP x 4" Long
SPPM300CPG7		3" x 7" Long
SPPM220CPG3G*		2" FP x 3" Long
SPPM300CPG12G*		3" FP x 12" Long

*Gauge port



REDUCING COUPLING

No.	Mfg. No.	Flange Reducer
SPPM200100CPG	M200100CPG	2" 1"
SPPM220100CPG		2" FP 1"
SPPM220200CPG	M220200CPG	2" FP 2"
SPPM300200CPG	M300200CPG	3" 2" Port
SPPM300220CPG	M300220CPG	3" 2" FP



45° HOSE BARB ELBOW

No.	Mfg. No.	Flange	HB
SPPM100BRB45	M100BRB45	1"	1"
SPPM200BRB45	M200BRB45	2"	2"
SPPM200125BRB45		2"	1¼"
SPPM200150BRB45		2"	1½"
SPPM220BRB45	M220BRB45	2" FP	2"
SPPM300BRB45	M300BRB45	3"	3"



HOSE BARB TEE

No.	Flange	HB
SPPM100100HBT	1"	1"
SPPM220200HBT	2" FP	2"
SPPM300300HBT	3"	3"

POLYPROPYLENE INDUCTORS



No.	Size
SPPHV200	2" MPT
SPPMHV200	2" Manifold w/ 1½" Port
SPPMHV220A	2" FP Manifold

- Direct replacement for standard 90° flanged couplings
- Positive seals
- Quick & easy assembly
- Easy On/Off hose connections



FLANGE x HB

No.	Size
SPPM100BRBSWP90	1"
SPPM100125BRBSWP90	1" x 1 1/4" HB
SPPM200150BRBSWP90	2" x 1 1/2"
SPPM220BRBSWP90	2" FP
SPPM300BRBSWP90	3"

90° SWEEPS

- 360° Orientation
- 1" fittings pressure to 300 PSI at 70°F
- 2" fittings pressure to 200 PSI at 70°F
- 3" fittings pressure to 125 PSI at 70°F



FLANGE x HB WITH 1/4" GAUGE PORT

No.	Size
SPPM100BRBSWPG90	1" FP
-	1" x 1 1/4" HB



2" FULL PORT MANIFOLD FLANGE SWIVEL

75 PSI Max.

Part No. SPPMSW220



FLANGE x FLANGE WITH 1/4" GAUGE PORT

No.	Flange
SPPM100SWPG90	1"
SPPM220SWPG90	2" FP
SPPM300SWPG90	3"



FULL PORT MALE THREAD STAINLESS STEEL

No.	Size
SPPM300220MPTSS	3" FP
SPPM220150MPTSS	2" FP



FLANGE x MPT

No.	Size
SPPM220MPTSWP90	2" FP



FLANGE x MPT WITH 1/4" GAUGE PORT

No.	Size
SPPM300MPTSWP90	3"



FLANGE x MALE ADAPTER

No.	Size
SPPM220ASWP90	2" FP
SPPM300ASWP90	3"



1" MANIFOLD PRESSURE SPIKE VALVES

No.	Pressure Spike
SPPMPRV100-050	50 PSI
SPPMPRV100-075	75 PSI
SPPMPRV100-100	100 PSI



FEMALE QUICK DISCONNECT

No.	Flange	Coupler
SPPM220D	2" FP	2"
SPPM303D	3"	3" w/3 arms



FEMALE LEVER COUPLING

2" Female Coupler X 2" Extended Male Thread Poly Cam Lever Coupling

No.	Flange	Coupler
SPP201B	2"	2"



DRY POPPET COUPLINGS

- Lightweight
- Max. 70 P.S.I. @ 70°F
- Max. 150°F
- Precision molded in polypropylene.
- Viton seals
- 30 GPM Max.

No.	Description
SPPDPCF100	Female x 1" FPT
SPPDPCM100	Male x 1" FPT
SPPDPCMT100	Male x 2" MPT & 1" FPT

POLYPROPYLENE DRY-DISCONNECTS



No.	Description
SPPDM200A	2" Male x FPT
SPPDM200AE	2" Male Drymate NPT
SPPDM200D	2" Poly Female Dry-Mate
SPPDM300DFP	3" Poly Mate Full Port Female x 3" Female NPT w FKM seals
SPPDM300AFP	3" Poly Mate Full Port Female x 3" Female NPT w FKM seals
SPPDM300ACF	3" Full Port Male Dry Mate
SPPDM300AFP	3" Full Port Male Dry Mate FKM
SPPDM300DCF	3" Polypro Manifold Female Dry-Mate

Replacement Part

2" Full Port Short Stem With O-Ring Groove

SPPVS25151C

POLY CHECK VALVES

- Flanged connections
- EPDM O-ring
- Max. 150 PSI
- Molded in glass reinforced polypropylene



No.	Flange
SPPMCV100	1"
SPPMCV200	1 1/2"
SPPMCV220	2"
SPPMCV300	3"
SPPMCV301	3" FP w 1/2# spring



FLANGE x FLANGE

No.	Flange
SPPM100SWP90	1"
SPPM200SWP90	2"
SPPM220SWP90	2" FP
SPPM220200SWP90	2" FP x 2"
SPPM300SWP90	3"
SPPM300220SWP90	M300 x M220



FLANGE x PVC GLUE SOCKET

No.	Size
SPPM221GSA	2" FP x 2"
SPPM301GSA	3" FP x 3"



FLANGE PLUGS



No.	Mfg. No.	Flange
SPPM100PLG	M100PLG	1"
SPPM200PLG	M200PLG	2"
SPPM220PLG	M220PLG	2" FP
SPPM300PLG	M300PLG	3"

With Gauge Outlet		Flange	FPT
SPPM100PLG025	M100PLG025	1"	1/4"
SPPM100PLG050	M100PLG050	1"	1/2"
SPPM200PLG025	M200PLG025	2"	1/4"
SPPM200PLG038	M200PLG038	2"	3/8"
SPPM200PLG050	M200PLG050	2"	1/2"
SPPM200PLG075	M200PLG075	2"	3/4"
SPPM200PLG100	M200PLG100	2"	1"
SPPM220PLG038	M220PLG038	2"	3/8"
SPPM220PLG075	M220PLG075	2" FP	3/4"
SPPM300PLG075	M300PLG075	3"	3/4"
SPPM300PLG100	M300PLG100	3"	1"



FULL PORT CHECK VALVE

No.	Size
SPPCV300	3" FP



MALE QUICK DISCONNECT

No.	Flange	Adapter
SPPM100A	1"	1"
SPPM200A	2"	2"
SPPM220A	2" FP	2"
SPPM300A	3"	3"

POLY / NYLON / METAL FITTINGS

- Precision molded in polypropylene.
- Glass reinforced for stability, strength and toughness.
- Hose barbs are molded specifically to fit properly into hoses.
- Combination sizes available for elbows and straight barbs.
- Excellent chemical resistance.

- Pressure to 150 PSI at 70°F
- Max. Temp. 185°F
- Banjo polypropylene fittings have excellent resistance to chemicals, including acids.
- Banjo polypropylene fittings have excellent resistance to water. Unlike nylon fittings they do not swell up when in use and shrink again when allowed to dry out, causing endless leaks each time the process is repeated such as when used on a field sprayer.

- Banjo polypropylene fittings in most part have a heavier wall, longer tapered threads and longer hose barbs. The two hose barbs are spaced so that a hose clamp can be placed between the two barbs making it virtually impossible to remove the hose without first removing the clamp.



ADAPTER
MPT x HB

No.	MPT x HB
SPPHB025	1/4" x 1/4"
SPPHB025-038	1/4 x 3/8"
SPPHB025-050	1/4" x 1/2"
SPPHB038	3/8" x 3/8"
SPPHB038-050	3/8" x 1/2"
SPPHB050-038	1/2" x 3/8"
SPPHB050	1/2" x 1/2"
SPPHB050-075	1/2" x 3/4"
SPPHB075-038	3/4" x 3/8"
SPPHB075-050	3/4" x 1/2"
SPPHB075-058	3/4" x 5/8"
SPPHB075	3/4" x 3/4"
SPPHB075-100	3/4" x 1"
SPPHB100-075	1" x 3/4"
SPPHB100	1" x 1"
SPPHB100-125	1" x 1 1/4"
SPPHB125-075	1 1/4" x 3/4"
SPPHB125-100	1 1/4" x 1"
SPPHB125	1 1/4" x 1 1/4"
SPPHB125-150	1 1/4" x 1 1/2"
SPPHB150-100	1 1/2" x 1"
SPPHB150-125	1 1/2" x 1 1/4"
SPPHB150	1 1/2" x 1 1/2"
SPPHB150-200	1 1/2" x 2"
SPPHB200-150	2" x 1 1/2"
SPPHB200	2" x 2"
SPPHB300	3" x 3"
SPPHB400	4" x 4"



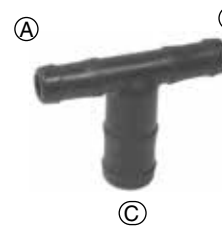
ELBOW
MPT x HB

No.	MPT x HB
SPPHB025-90	1/4" x 1/4"
SPPHB025/038-90	1/4" x 3/8"
SPPHB025/050-90	1/4" x 1/2"
SPPHB050-025	1/2 x 1/4"
SPPHB038-90	3/8" x 3/8"
SPPHB050/038-90	1/2" x 3/8"
SPPHB050-90	1/2" x 1/2"
SPPHB050/075-90	1/2" x 3/4"
SPPHB075/050-90	3/4" x 1/2"
SPPHB075-90	3/4" x 3/4"
SPPHB075/100-90	3/4" x 1"
SPPHB100/075-90	1" x 3/4"
SPPHB100-90	1" x 1"
SPPHB100/125-90	1" x 1 1/4"
SPPHB125/100-90	1 1/4" x 1"
SPPHB125-90	1 1/4" x 1 1/4"
SPPHB125/150-90	1 1/4" x 1 1/2"
SPPHB150/125-90	1 1/2" x 1 1/4"
SPPHB150-90	1 1/2" x 1 1/2"
SPPHB200/150-90	2" x 1 1/2"
SPPHB200-90	2" x 2"
SPPHB300-90	3" x 3"



HOSE BARB JOINER

No.	HB x HB
SPPHM050	1/2" x 1/2"
SPPHM075	3/4" x 3/4"
SPPHM100	1" x 1"
SPPHM125	1 1/4" x 1 1/4"
SPPHM150	1 1/2" x 1 1/2"
SPPHM200	2" x 2"
SPPHM300	3" x 3"



BANJO HOSE BARB TEE

No.	AB	C
-	3/8"	3/8"
SPPHBT050-075	1/2"	3/4"
SPPHBT075-050	3/4"	1/2"
SPPHBT075	3/4"	3/4"
SPPHBT100-075	1"	3/4"
SPPHBT100	1"	1"
SPPHBT200	2"	2"
SPPHBT300	3"	3"



COMBINATION TEE
HB x HB x MPT

No.	HB x HB x MPT
SPPHBT150-100	1 1/2" x 1 1/2" x 1"
SPPHBT150-150	1 1/2" x 1 1/2" x 1 1/2"
SPPHBT100-100	1" x 1" x 1"



90° STREET ELBOW
MPT x FPT

No.	MPT x FPT
SPPSL025-90	1/4" x 1/4"
SPPSL038-90	3/8" x 3/8"
SPPSL050-90	1/2" x 1/2"
SPPSL075-90	3/4" x 3/4"
SPPSL100-90	1" x 1"
SPPSL125-90	1 1/4" x 1 1/4"
SPPSL150-90	1 1/2" x 1 1/2"
SPPSL200-90	2" x 2"
SPPSL300-90	3" x 3"



ADAPTER
FPT x HB

No.	FPT x HB
SPPHBF075	3/4" x 3/4"
SPPHBF075-100	3/4" x 1"
SPPHBF100	1" x 1"



TEE
FPT

No.	FPT
SPPTEE038	3/8"
SPPTEE050	1/2"
SPPTEE075	3/4"
SPPTEE100	1"
SPPTEE125	1 1/4"
SPPTEE150	1 1/2"
SPPTEE200	2"
SPPTEE300	3"



FEMALE 90° PIPE ELBOW

No.	FPT
SPPEL038-90	3/8"
SPPEL050-90	1/2"
SPPEL075-90	3/4"
SPPEL100-90	1"
SPPEL125-90	1 1/4"
SPPEL150-90	1 1/2"
SPPEL200-90	2"
SPPEL300-90	3"



POLY MANIFOLD
8 - 1/2" Ports
3/4" Inlet
1/4" Gauge Port

No.	In	Out
SPPTM075/050	3/4"	1/2"

Call for information if part numbers are not listed (-)



**45° STREET
ELBOW**
FPT x MPT

No.	FPT x MPT
SPPSL075-45	3/4" x 3/4"
SPPSL100-45	1" x 1"
SPPSL125-45	1 1/4" x 1 1/4"
SPPSL150-45	1 1/2" x 1 1/2"
SPPSL200-45	2" x 2"
SPPSL300-45	3" x 3"



**FEMALE
45°
PIPE
ELBOW**

No.	FPT
SPPEL100-45	1"



**REDUCING
BUSHING**
MPT x FPT

No.	MPT x FPT
SPPRB038-025	3/8" x 1/4"
SPPRB050-025	1/2" x 1/4"
SPPRB050-038	1/2" x 3/8"
SPPRB075-025	3/4" x 1/4"
SPPRB075-038	3/4" x 3/8"
SPPRB075-050	3/4" x 1/2"
SPPRB100-025	1" x 1/4"
SPP26-10012P	1" x 1/2"
SPPRB100-050	1" x 1/2"
SPPRB100-075	1" x 3/4"
SPPRB125-075	1 1/4" x 3/4"
SPPRB125-100	1 1/4" x 1"
SPPRB150-075	1 1/2" x 3/4"
SPPRB150-100	1 1/2" x 1"
SPPRB150-125	1 1/2" x 1 1/4"
SPPRB200-075	2" x 3/4"
SPPRB200-100	2" x 1"
SPPRB200-125	2" x 1 1/4"
SPPRB200-150	2" x 1 1/2"
SPPRB300-150	3" x 1 1/2"
SPPRB300-200	3" x 2"
SPPRB400-300	4" x 3"



CAP
FPT

No.	FPT
SPPCAP050	1/2"
SPPCAP075	3/4"
SPPCAP100	1"
SPPCAP125	1 1/4"
SPPCAP150	1 1/2"
SPPCAP200	2"
SPPCAP300	3"



**REDUCING
NIPPLE**
MPT

No.	MPT x MPT
SPPRN050-038	1/2" x 3/8"
SPPRN075-050	3/4" x 1/2"
SPPRN100-050	1" x 1/2"
SPPRN100-075	1" x 3/4"
SPPRN125-075	1 1/4" x 3/4"
SPPRN125-100	1 1/4" x 1"
SPPRN150-100	1 1/2" x 1"
SPPRN150-125	1 1/2" x 1 1/4"
SPPRN200-125	2" x 1 1/4"
SPPRN200-150	2" x 1 1/2"
SPPRN300-200	3" x 2"



**REDUCING
COUPLING**
FPT

No.	FPT x FPT
-	3/4" x 1/4"
-	1" x 1/4"
SPPRC100-075	1" x 3/4"
SPPRC150-100	1 1/2" x 1"
SPPRC150-125	1 1/2" x 1 1/4"
SPPRC200-050	2" x 1/2"
SPPRC200-100	2" x 1"
SPPRC200-125	2" x 1 1/4"
SPPRC200-150	2" x 1 1/2"
SPPRC300-200	3" x 2"



CROSS
FPT

No.	FPT
SPPCR050	1/2"
SPPCR075	3/4"
SPPCR100	1"
SPPCR125	1 1/4"
SPPCR150	1 1/2"
SPPCR200	2"



NIPPLE
MPT

No.	MPT x Length
SPPNIP025-SH	1/4" x Short
SPPNIP038-SH	3/8" x Short
SPPNIP050-SH	1/2" x Short
SPPNIP050-3	1/2" x 3"
SPPNIP075-SH	3/4" x Short
SPPNIP075-4	3/4" x 4"
SPPNIP075-6	3/4" x 6"
SPPNIP100-SH	1" x Short
SPPNIP100-4	1" x 4"
SPPNIP100-6	1" x 6"
SPPNIP125-SH	1 1/4" x Short
SPPNIP125-4	1 1/4" x 4"
SPPNIP125-6	1 1/4" x 6"
SPPNIP150-SH	1 1/2" x Short
SPPNIP150-3	1 1/2" x 3"
SPPNIP150-4	1 1/2" x 4"
SPPNIP150-5	1 1/2" x 5"
SPPNIP150-6	1 1/2" x 6"
SPPNIP200-SH	2" x Short
SPPNIP200-4	2" x 4"
SPPNIP200-6	2" x 6"
SPPNIP300-SH	3" x Short
SPPNIP300-4	3" x 4"
SPPNIP300-6	3" x 6"



COUPLING
FPT

No.	FPT
SPPCPLG025	1/4"
SPPCPLG038	3/8"
SPPCPLG050	1/2"
SPPCPLG075	3/4"
SPPCPLG100	1"
SPPCPLG125	1 1/4"
SPPCPLG150	1 1/2"
SPPCPLG200	2"
SPPCPLG300	3"



**HEX HEAD
PIPE PLUG**

No.	MPT
SPPPLUG025	1/4"
SPPPLUG038	3/8"
SPPPLUG050	1/2"
SPPPLUG075	3/4"
SPPPLUG100	1"
SPPPLUG125	1 1/4"
SPPPLUG150	1 1/2"
SPPPLUG200	2"
SPPPLUG300	3"

The polypropylene fittings are made exclusively from Tenite P6M 52-015 resin homopolymer reinforced with random glass fibers.

Polypropylene fittings are generally acceptable for use at working pressures up to 150 PSI at ambient temperatures. As with all thermoplastics, an increase in working temperature is accompanied by a decrease in operating pressure. For example, at 140°F, the upper working pressure limit is 90 PSI.

Polypropylene has excellent resistance to a broad range of chemicals including most agricultural chemicals, acid based fertilizers, ammonium compounds, calcium carbonate, ethanol, hydrochloric acid, magnesium sulfate, oxalic acid, propionic acid, phosphoric acid and most sodium compounds.

Polypropylene fittings should not be used with aromatic hydrocarbons, carbon tetrachloride, gasoline, hexane, kerosene, nitric acid, sodium hypochlorite, toluene trichloroethylene and xylene.

Recommended

- Hand tighten plus another turn with box or open end wrench
- Use at normal ag sprayer spring and summer field conditions
- Use for acid resistance
- Use Teflon tape or Teflon sealants
- Use for UV resistance, prolonged exposure to sunlight
- Use for cosmetic appearance

Not recommended

- Use impact wrenches
- Overtighten
- Use at very hot or cold temperatures over 150°F or under 32°F
- Use with toluene or xylene based chemicals

PHYSICAL PROPERTIES OF P6M52-015 POLYPROPYLENE

Specific Gravity	0.91
Heat Distortion	170°F
Rockwell hardness (R)	85
Izod Impact	1.3ft.-lbs./in.



POLYPROPYLENE ADAPTER
UNF x HB
MPT x HB

No.	UNF x HB
MPT x HB	
SPP10-1814P	1/8" x 1/4"

No.	MPT x HB
SPP10-14P	1/4" x 1/4"
SPP10-14516P	1/4" x 5/16"
SPP10-1438P	1/4" x 3/8"
SPP10-1412P	1/4" x 1/2"
SPP10-3814P	3/8" x 1/4"
SPP10-38516P	3/8" x 5/16"
SPP10-38P	3/8" x 3/8"
SPP10-3812P	3/8" x 1/2"
SPP10-3858P	3/8" x 5/8"
SPP10-3834P	3/8" x 3/4"
SPP10-1238P	1/2" x 3/8"
SPP10-12P	1/2" x 1/2"
SPP10-1258P	1/2" x 5/8"
SPP10-1234P	1/2" x 3/4"
SPP10-12100P	1/2" x 1"
SPP10-3414P	3/4" x 1/4"
SPP10-3438P	3/4" x 3/8"

No.	MPT x HB
SPP10-3412P	3/4" x 1/2"
SPP10-3458P	3/4" x 5/8"
SPP10-34P	3/4" x 3/4"
SPP10-34100P	3/4" x 1"
SPP10-34114P	3/4" x 1 1/4"
SPP10-10034P	1" x 3/4"
SPP10-100P	1" x 1"
SPP10-100114P	1" x 1 1/4"
SPP10-11434P	1 1/4" x 3/4"
SPP10-114100P	1 1/4" x 1"
SPP10-114P	1 1/4" x 1 1/4"
SPP10-114112P	1 1/4" x 1 1/2"
SPP10-11234P	1 1/2" x 3/4"
SPP10-112114P	1 1/2" x 1 1/4"
SPP10-112P	1 1/2" x 1 1/2"
SPP10-112200P	1 1/2" x 2"
SPP10-200112P	2" x 1 1/2"
SPP10-200P	2" x 2"



POLYPROPYLENE ELBOW
UNF x HB
MPT x HB

No.	UNF x HB
MPT x HB	
SPP12-1838P	1/8" x 3/8"
SPP12-14316P	1/4" x 3/16"
SPP12-14P	1/4" x 1/4"
SPP12-14516P	1/4" x 5/16"
SPP12-1438P	1/4" x 3/8"
SPP12-1412P	1/4" x 1/2"
SPP12-3814P	3/8" x 1/4"
SPP12-38516P	3/8" x 5/16"
SPP12-38P	3/8" x 3/8"
SPP12-3812P	3/8" x 1/2"
SPP12-3858P	3/8" x 5/8"

No.	MPT x HB
SPP12-1214P	1/2" x 1/4"
SPP12-1238P	1/2" x 3/8"
SPP12-12P	1/2" x 1/2"
SPP12-1258P	1/2" x 5/8"
SPP12-1234P	1/2" x 3/4"
SPP12-12100P	1/2" x 1"
SPP12-3414P	3/4" x 1/4"
SPP12-3438P	3/4" x 3/8"
SPP12-3412P	3/4" x 1/2"
SPP12-3458P	3/4" x 5/8"
SPP12-34P	3/4" x 3/4"
SPP12-34100P	3/4" x 1"
SPP12-10012P	1" x 1/2"
SPP12-10034P	1" x 3/4"
SPP12-100P	1" x 1"
SPP12-11434P	1 1/4" x 3/4"
SPP12-114100P	1 1/4" x 1"
SPP12-114P	1 1/4" x 1 1/4"
SPP12-114112P	1 1/4" x 1 1/2"
SPP12-11234P	1 1/2" x 3/4"
SPP12-112100P	1 1/2" x 1"
SPP12-112114P	1 1/2" x 1 1/4"
SPP12-112P	1 1/2" x 1 1/2"
SPP12-200P	2" x 2"



POLYPROPYLENE ADAPTER
FPT x HB

No.	FPT x HB
SPP11-1814P	1/8" x 1/4"
SPP11-14P	1/4" x 1/4"
SPP11-1438P	1/4" x 3/8"
SPP11-3814P	3/8" x 1/4"
SPP11-38P	3/8" x 3/8"
SPP11-3812P	3/8" x 1/2"
SPP11-1214P	1/2" x 1/4"
SPP11-1238P	1/2" x 3/8"
SPP11-12P	1/2" x 1/2"
SPP11-1258P	1/2" x 5/8"
SPP11-1234P	1/2" x 3/4"
SPP11-3438P	3/4" x 3/8"
SPP11-3412P	3/4" x 1/2"
SPP11-3458P	3/4" x 5/8"
SPP11-34P	3/4" x 3/4"



**POLYPROPYLENE
ELBOW**
FPT x HB

No.	FPT x HB
SPP13-18316P	1/8" x 3/16"
SPP13-14316P	1/4" x 3/16"
SPP13-14P	1/4" x 1/4"
SPP13-1438P	1/4" x 3/8"
SPP13-3814P	3/8" x 1/4"
SPP13-38P	3/8" x 3/8"
SPP13-3812P	3/8" x 1/2"
SPP13-12P	1/2" x 1/2"
SPP13-1258P	1/2" x 5/8"
SPP13-1234P	1/2" x 3/4"
SPP13-3412P	3/4" x 1/2"
SPP13-3458P	3/4" x 5/8"
SPP13-34P	3/4" x 3/4"



**POLYPROPYLENE
HOSE BARB
JOINER**

No.	HB x HB
SPP14-116P	1/16" x 1/16"
SPP14-332P	3/32" x 3/32"
SPP14-18P	1/8" x 1/8"
SPP14-18316P	1/8" x 3/16"
SPP14-1838P	1/8" x 3/8"
SPP14-53214P	5/32" x 1/4"
SPP14-316P	3/16" x 3/16"
SPP14-31614P	3/16" x 1/4"
SPP14-14P	1/4" x 1/4"
SPP14-1412P	1/4" x 1/2"
SPP14-516P	5/16" x 5/16"
SPP14-38P	3/8" x 3/8"
SPP14-3812P	3/8" x 1/2"
SPP14-3858P	3/8" x 5/8"
SPP14-12P	1/2" x 1/2"
SPP14-1258P	1/2" x 5/8"
SPP14-58P	5/8" x 5/8"
SPP14-34P	3/4" x 3/4"
SPP14-100P	1" x 1"
SPP14-114P	1 1/4" x 1 1/4"
SPP14-112P	1 1/2" x 1 1/2"
SPP14-200P	2" x 2"
SPP14-300P	3" x 3"



**POLYPROPYLENE
HOSE BARB
TEE**

No.	AB	C
SPP16-332P	3/32"	3/32"
SPP16-18P	1/8"	1/8"
SPP16-532P	5/32"	5/32"
SPP16-316P	3/16"	3/16"
SPP16-14P	1/4"	1/4"
SPP16-516P	5/16"	5/16"
SPP16-38316P	3/8"	3/16"
SPP16-3814P	3/8"	1/4"
SPP16-3812P	3/8"	1/2"
SPP16-12516P	1/2"	5/16"
SPP16-1238P	1/2"	3/8"
SPP16-12P	1/2"	1/2"
SPP16-1234P	1/2"	3/4"
SPP16-5838P	5/8"	3/8"
SPP16-58P	5/8"	5/8"
SPP16-34P	3/4"	3/4"
SPP16-100P	1"	1"
SPP16-114P	1 1/4"	1 1/4"
SPP16-112P	1 1/2"	1 1/2"
SPP16-200P	2"	2"



**POLYPROPYLENE
HOSE BARB
ELBOW**

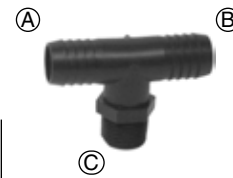
No.	HB
SPP15-332P	3/32" x 3/32"
SPP15-18P	1/8" x 1/8"
SPP15-532316P	5/32" x 3/16"
SPP15-316P	3/16" x 3/16"
SPP15-14P	1/4" x 1/4"
SPP15-1438P	1/4" x 3/8"
SPP15-38P	3/8" x 3/8"
SPP15-3812P	3/8" x 1/2"
SPP15-12P	1/2" x 1/2"
SPP15-58P	5/8" x 5/8"
SPP15-5834P	5/8" x 3/4"
SPP15-34P	3/4" x 3/4"
SPP15-114P	1 1/4" x 1 1/4"
SPP15-112P	1 1/2" x 1 1/2"
SPP15-200P	2" x 2"



**POLYPROPYLENE
CROSS BARB**

- Used in fluid applications requiring the connection of four hoses.
- Commonly called a junction fitting.

No.	Hose Barb
SPPX14P	1/4" x 1/4" x 1/4" x 1/4"



**POLYPROPYLENE
TEE**
HB x HB x MPT

No.	AB	C
SPP17-18P	1/8"	1/8"
SPP17-31618P	3/16"	1/8"
SPP17-31614P	3/16"	1/4"
SPP17-14P	1/4"	1/4"
-	1/4"	3/8"
SPP17-3814P	3/8"	1/4"
SPP17-38P	3/8"	3/8"
SPP17-3812P	3/8"	1/2"
SPP17-3834P	3/8"	3/4"
SPP17-1214P	1/2"	1/4"
SPP17-1238P	1/2"	3/8"
SPP17-12P	1/2"	1/2"
SPP17-5812P	5/8"	1/2"
SPP17-5834P	5/8"	3/4"
SPP17-3412P	3/4"	1/2"
SPP17-34P	3/4"	3/4"



**POLYPROPYLENE
"Y" FITTING**

No.	HB x HB x HB
SPP20-14P	1/4"
SPP20-38P	3/8"
SPP20-12P	1/2"



**POLYPROPYLENE
FLAT SEAT
SWIVEL
CONNECTOR**
FPT/FGHT x HB

No.	HB	Req
SPP34-14P	1/4"	3/4"
SPP34-12P	1/2"	3/4"
SPP34-58P	5/8"	3/4"
SPP34-34P	3/4"	3/4"
SPP34-100P	1"	1"
Swivel Nuts		
SPP36-34P	3/4" FPT	Hex
SPP38-34P	3/4" FGHT	Knurled

POLYPROPYLENE SWIVELS



- Teflon thrust bearing
- Viton o-rings
- Glass reinforced
- 75 PSI Maximum

No.	Size
SPPSW150	1 1/2" x 1 1/2"
SPPSW200	2" x 2"

POLY / NYLON / METAL FITTINGS



**POLYPROPYLENE
COUPLER**
FPT

No.	FPT x FPT
SPP27-12P	1/2" x 1/2"
SPP27-34P	3/4" x 3/4"
SPP27-100P	1" x 1"
SPP27-114P	1 1/4" x 1 1/4"
SPP27-112P	1 1/2" x 1 1/2"
SPP27-200P	2" x 2"



**POLYPROPYLENE
REDUCING
BUSHING**
MPT x UNF
MPT x FPT

No.	MPT x UNF
MPT x FPT	
SPP26-1418P	1/4" x 1/8"
SPP26-3818P	3/8" x 1/8"
SPP26-3814P	3/8" x 1/4"
SPP26-1218P	1/2" x 1/8"
SPP26-1214P	1/2" x 1/4"
SPP26-1238P	1/2" x 3/8"
SPP26-3418P	3/4" x 1/8"
SPP26-3414P	3/4" x 1/4"
SPP26-3438P	3/4" x 3/8"
SPP26-3412P	3/4" x 1/2"
SPP26-10012P	1" x 1/2"
SPP26-10034P	1" x 3/4"
SPP26-11412P	1 1/4" x 1/2"
SPP26-11434P	1 1/4" x 3/4"
SPP26-114100P	1 1/4" x 1"
SPP26-11234P	1 1/2" x 3/4"
SPP26-112100P	1 1/2" x 1"
SPP26-112114P	1 1/2" x 1 1/4"
SPP26-20034P	2" x 3/4"
SPP26-200100P	2" x 1"
SPP26-200114P	2" x 1 1/4"
SPP26-200112P	2" x 1 1/2"
SPP26-300200P	3" x 2"



**POLYPROPYLENE
PLUG**
MPT

No.	Size
SPP31-18P	1/8"
SPP31-14P	1/4"
SPP31-38P	3/8"
SPP31-12P	1/2"
SPP31-34P	3/4"
SPP31-100P	1"
SPP31-114P	1 1/4"
SPP31-112P	1 1/2"
SPP31-200P	2"
SPP31-300P	3"



**POLYPROPYLENE
TEE**
FPT

No.	FPT
-	1/4" x 1/4" x 1/4"
SPP29-38P	3/8" x 3/8" x 3/8"
SPP29-12P	1/2" x 1/2" x 1/2"
SPP29-34P	3/4" x 3/4" x 3/4"
SPP29-100P	1" x 1" x 1"
SPP29-114P	1 1/4" x 1 1/4" x 1 1/4"
SPP29-112P	1 1/2" x 1 1/2" x 1 1/2"
SPP29-200P	2" x 2" x 2"
SPP29-300P	3" x 3" x 3"



**POLYPROPYLENE
TEE WITH 1/4"
GAUGE PORT**

No.	Size	Port
SPP30-12P	1/2"	1/4"
SPP30-34P	3/4"	1/4"
SPP30-100P	1"	1/4"
-	1 1/4"	1/4"
-	1 1/2"	1/4"



**POLYPROPYLENE
NIPPLES**

No.	UNF x UNF
MPT x MPT	
SPP33-1838P	1/8" x 3/8"
SPP33-14P	1/4" x 1/4"
SPP33-1438P	1/4" x 3/8"
SPP33-1412P	1/4" x 1/2"
SPP33-38P	3/8" x 3/8"
SPP33-3812P	3/8" x 1/2"
SPP33-12P	1/2" x 1/2"
SPP33-1234P	1/2" x 3/4"
SPP33-34P	3/4" x 3/4"
SPP33-34100P	3/4" x 1"
SPP33-100P	1" x 1"
SPP33-114P	1 1/4" x 1 1/4"
SPP33-112P	1 1/2" x 1 1/2"
SPP33-200P	2" x 2"
SPP33-300200P	3" x 2"
SPP61319	1" x 1/2"
SPP33-300P	3" x 3"



**POLYPROPYLENE
TEE**
HB x HB x FPT

No.	HB x HB x FPT
SPP18-34P	3/4" x 3/4" x 3/4"
SPP18-34114P	1 1/4" x 1 1/4" x 3/4"



**POLYPROPYLENE
STREET ELBOW**
FPT x MPT

No.	FPT	MPT
SPP24-14P	1/4"	1/4"
SPP24-12P	1/2"	1/2"
SPP24-34P	3/4"	3/4"
SPP24-100P	1"	1"
SPP24-114P	1 1/4"	1 1/4"
SPP24-112P	1 1/2"	1 1/2"
SPP24-200P	2"	2"
SPP24-300P	3"	3"



**POLYPROPYLENE
45° STREET ELBOW**
FPT x MPT

No.	FPT x MPT
SPP25-14P	1/4" x 1/4"
SPP25-34P	3/4" x 3/4"



**POLYPROPYLENE
90° ELBOW**
FPT

No.	FPT
-	1/4" x 1/4"
SPP22-38P	3/8" x 3/8"
SPP22-12P	1/2" x 1/2"
SPP22-34P	3/4" x 3/4"
SPP22-100P	1" x 1"
SPP22-114P	1 1/4" x 1 1/4"
SPP22-112P	1 1/2" x 1 1/2"
SPP22-200P	2" x 2"



**POLYPROPYLENE
CAPS**

No.	FPT
SPP32-14P	1/4"
SPP32-38P	3/8"
SPP32-12P	1/2"
-	3"

Nylon fittings are made from engineering grade 6/6 virgin resin. Nylon fittings are generally acceptable for use at working pressures up to 150 psi at ambient temperatures. At very low pressures, temperatures can approach 175°F with no degradation in the performance of the nylon fitting.

Nylon has good resistance to a fairly broad range of chemicals including most agricultural chemicals, ammonium compounds, detergents, diesel fuel, ethanol, gasoline, hexane, magnesium sulphate, most sodium compounds, trichloroethylene and zinc sulphate.

Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid and xylene.

Recommended

- Use for high structural or physical strength
- Use for broader temperature ranges below zero to 200°F

Not recommended

- With acid-based fertilizers
- With xylene-based chemicals
- With Teflon tape
- In situations where long exposure to ultraviolet radiation will occur

PHYSICAL PROPERTIES OF NYLON 6/6

Specific Gravity	1.12
Heat Distortion	375°F
Rockwell hardness (R)	120
Izod Impact	1.9ft.-lbs. / in.



**NYLON
ADAPTER**
UNF x HB
MPT x HB

No.	UNF x HB MPT x HB
SPP10-18316	1/8" x 3/16"
SPP10-1814	1/8" x 1/4"
SPP10-1838	1/8" x 3/8"

No.	MPT x HB
SPP10-14	1/4" x 1/4"
SPP10-14516	1/4" x 5/16"
SPP10-1438	1/4" x 3/8"
SPP10-1412	1/4" x 1/2"
SPP10-3814	3/8" x 1/4"
SPP10-38516	3/8" x 5/16"
SPP10-38	3/8" x 3/8"
SPP10-3812	3/8" x 1/2"
SPP10-3858	3/8" x 5/8"
SPP10-3834	3/8" x 3/4"
SPP10-12316	1/2" x 3/16"
SPP10-1214	1/2" x 1/4"
SPP10-1238	1/2" x 3/8"
SPP10-12	1/2" x 1/2"
SPP10-1258	1/2" x 5/8"
SPP10-1234	1/2" x 3/4"
SPP10-12100	1/2" x 1"

No.	MPT x HB
SPP10-3414	3/4" x 1/4"
SPP10-3438	3/4" x 3/8"
SPP10-3412	3/4" x 1/2"
SPP10-3458	3/4" x 5/8"
SPP10-34	3/4" x 3/4"
SPP10-34100	3/4" x 1"
SPP10-34114	3/4" x 1 1/4"
SPP10-10034	1" x 3/4"
SPP10-100	1" x 1"
SPP10-100114	1" x 1 1/4"
SPP10-11434	1 1/4" x 3/4"
SPP10-114100	1 1/4" x 1"
SPP10-114	1 1/4" x 1 1/4"
SPP10-114112	1 1/4" x 1 1/2"
SPP10-11234	1 1/2" x 3/4"
SPP10-112100	1 1/2" x 1"
SPP10-112114	1 1/2" x 1 1/4"
SPP10-112	1 1/2" x 1 1/2"
SPP10-112200	1 1/2" x 2"
SPP10-200112	2" x 1 1/2"
SPP10-200	2" x 2"



**NYLON
ELBOW**
UNF x HB
MPT x HB

No.	UNF x HB MPT x HB
SPP12-1814	1/8" x 1/4"
SPP12-18516	1/8" x 5/16"
SPP12-1838	1/8" x 3/8"
SPP12-14316	1/4" x 3/16"
SPP12-14	1/4" x 1/4"
SPP12-14516	1/4" x 5/16"
SPP12-1438	1/4" x 3/8"
SPP12-1412	1/4" x 1/2"
SPP12-1458	1/4" x 5/8"
SPP12-3814	3/8" x 1/4"
SPP12-38	3/8" x 3/8"
SPP12-3812	3/8" x 1/2"
SPP12-3858	3/8" x 5/8"

No.	MPT x HB
SPP12-1214	1/2" x 1/4"
SPP12-1238	1/2" x 3/8"
SPP12-12	1/2" x 1/2"
SPP12-1258	1/2" x 5/8"
SPP12-1234	1/2" x 3/4"
-	1/2" x 13/16"
SPP12-12100	1/2" x 1"
SPP12-3414	3/4" x 1/4"
SPP12-3438	3/4" x 3/8"
SPP12-3412	3/4" x 1/2"
SPP12-3458	3/4" x 5/8"
SPP12-34	3/4" x 3/4"
SPP12-34100	3/4" x 1"
SPP12-10012	1" x 1/2"
SPP12-10034	1" x 3/4"
SPP12-100	1" x 1"
SPP12-11434	1 1/4" x 3/4"
SPP12-114100	1 1/4" x 1"
SPP12-114	1 1/4" x 1 1/4"
SPP12-114112	1 1/4" x 1 1/2"
SPP12-11234	1 1/2" x 3/4"
SPP12-112100	1 1/2" x 1"
SPP12-112	1 1/2" x 1 1/2"
SPP12-200	2" x 2"



**NYLON
ADAPTER**
FPT x HB

No.	Size
SPP11-1814	1/8" x 1/4"
SPP11-14	1/4" x 1/4"
SPP11-1438	1/4" x 3/8"
SPP11-3814	3/8" x 1/4"
SPP11-38	3/8" x 3/8"
SPP11-3812	3/8" x 1/2"
SPP11-1214	1/2" x 1/4"
SPP11-1238	1/2" x 3/8"
SPP11-12	1/2" x 1/2"
SPP11-1258	1/2" x 5/8"
SPP11-1234	1/2" x 3/4"
SPP11-3438	3/4" x 3/8"
SPP11-3412	3/4" x 1/2"
SPP11-3458	3/4" x 5/8"
SPP11-34	3/4" x 3/4"



NYLON ELBOW
FPT x HB

No.	Size
SPP13-18316P	1/8" x 3/16"
SPP13-1814	1/8" x 1/4"
SPP13-14316P	1/4" x 3/16"
SPP13-1438P	1/4" x 1/4"
SPP13-1438	1/4" x 3/8"
SPP13-3814	3/8" x 1/4"
SPP13-38	3/8" x 3/8"
SPP13-3812	3/8" x 1/2"
SPP13-1258	1/2" x 1/2"
SPP13-1258P	1/2" x 5/8"
SPP13-1234	1/2" x 3/4"
SPP13-3412P	3/4" x 1/2"
SPP13-3458P	3/4" x 5/8"
SPP13-3458	3/4" x 3/4"



NYLON HOSE BARB JOINER

No.	Size
SPP14-116	1/16" x 1/16"
SPP14-332	3/32" x 3/32"
SPP14-18	1/8" x 1/8"
SPP14-18316	1/8" x 3/16"
SPP14-1814	1/8" x 1/4"
SPP14-1838	1/8" x 3/8"
SPP14-53214	5/32" x 1/4"
SPP14-316	3/16" x 3/16"
SPP14-31614	3/16" x 1/4"
SPP14-14	1/4" x 1/4"
SPP14-1438	1/4" x 3/8"
SPP14-1412	1/4" x 1/2"
SPP14-516	5/16" x 5/16"
SPP14-51638	5/16" x 3/8"
SPP14-51612	5/16" x 1/2"
SPP14-38	3/8" x 3/8"
SPP14-3812	3/8" x 1/2"
SPP14-3858	3/8" x 5/8"
SPP14-12	1/2" x 1/2"
SPP14-1258	1/2" x 5/8"
SPP14-58	5/8" x 5/8"
SPP14-34	3/4" x 3/4"
SPP14-100	1" x 1"
SPP14-114	1 1/4" x 1 1/4"
SPP14-112	1 1/2" x 1 1/2"
SPP14-200	2" x 2"



NYLON "Y" FITTING
HB x HB x HB

No.	Size
SPP20-14	1/4" x 1/4" x 1/4"
SPP20-38	3/8" x 3/8" x 3/8"
SPP20-12	1/2" x 1/2" x 1/2"



NYLON HOSE BARB TEE

No.	AB	C
SPP16-116	1/16"	1/16"
SPP16-18	1/8"	1/8"
SPP16-53218	5/32"	1/8"
SPP16-532	5/32"	5/32"
SPP16-316	3/16"	3/16"
-	1/4"	1/4"
SPP16-1438	1/4"	3/8"
SPP16-516	5/16"	5/16"
SPP16-3814	3/8"	1/4"
SPP16-38	3/8"	3/8"
SPP16-3812	3/8"	1/2"
SPP16-1214	1/2"	1/4"
SPP16-12516	1/2"	5/16"
SPP16-1238	1/2"	3/8"
SPP16-12	1/2"	1/2"
SPP16-1234	1/2"	3/4"
SPP16-58	5/8"	5/8"
SPP16-3438	3/4"	3/8"
SPP16-3412	3/4"	1/2"
SPP16-34	3/4"	3/4"
SPP16-100	1"	1"
SPP16-114	1 1/4"	1 1/4"
SPP16-112	1 1/2"	1 1/2"
SPP16-200	2"	2"



NYLON SWIVEL ADAPTER BALL SEAT
FPT x HB

No.	HB Insert	Nut Req.
SPP65-14	1/4"	1/4"
SPP65-1412	1/4"	1/2"
SPP65-38	3/8"	3/8"
SPP65-12	1/2"	1/2"
Hex Nut		
SPP66-14	1/4"	
SPP66-38	3/8"	
SPP66-12	1/2"	



NYLON TEE
HB x HB x FPT

No.	HB x FPT
SPP18-34	3/4" x 3/4"
SPP18-34114	1 1/4" x 3/4"



NYLON TEE
HB x HB x MPT

No.	HB - AB	MPT - C
SPP17-31614	3/16"	1/4"
SPP17-14	1/4"	1/4"
SPP17-1438	1/4"	3/8"
SPP17-3814	3/8"	1/4"
SPP17-38	3/8"	3/8"
SPP17-3812	3/8"	1/2"
SPP17-3834	3/8"	3/4"
SPP17-1214	1/2"	1/4"
SPP17-1238	1/2"	3/8"
SPP17-12	1/2"	1/2"
SPP17-1234	1/2"	3/4"
SPP17-5812	5/8"	1/2"
SPP17-3412	3/4"	1/2"
SPP17-34	3/4"	3/4"
SPP17-10012	1"	1/2"
SPP17-10034	1"	3/4"



NYLON HOSE BARB ELBOW

No.	Size
SPP15-332	3/32" x 3/32"
SPP15-18	1/8" x 1/8"
SPP15-316	3/16" x 3/16"
SPP15-14	1/4" x 1/4"
SPP15-1438	1/4" x 3/8"
SPP15-1412	1/4" x 1/2"
SPP15-38	3/8" x 3/8"
SPP15-3812	3/8" x 1/2"
SPP15-12	1/2" x 1/2"
SPP15-58	5/8" x 5/8"
SPP15-5834	5/8" x 3/4"
SPP15-34	3/4" x 3/4"
SPP15-100	1" x 1"
SPP15-114	1 1/4" x 1 1/4"
SPP15-112	1 1/2" x 1 1/2"
SPP15-200	2" x 2"



MALE TEE
MPT

No.	Size
SPP21-12	1/2" x 1/2" x 1/2"



**NYLON
FEMALE
COUPLER**

No.	Size
SPP27-12	1/2" x 1/2"
SPP27-34	3/4" x 3/4"
SPP27-100	1" x 1"
SPP27-114	1 1/4" x 1 1/4"
SPP27-112	1 1/2" x 1 1/2"
SPP27-200	2" x 2"



**NYLON
REDUCING
BUSHING**
MPT x UNF
MPT x FPT

No.	MPT x UNF
MPT x FPT	
SPP26-1418	1/4" x 1/8"
SPP26-3818	3/8" x 1/8"
SPP26-3814	3/8" x 1/4"
SPP26-1218	1/2" x 1/8"
SPP26-1214	1/2" x 1/4"
SPP26-1238	1/2" x 3/8"
SPP26-3418	3/4" x 1/8"
SPP26-3414	3/4" x 1/4"
SPP26-3438	3/4" x 3/8"
SPP26-3412	3/4" x 1/2"
SPP26-10012	1" x 1/2"
SPP26-10034	1" x 3/4"
SPP26-11412	1 1/4" x 1/2"
SPP26-11434	1 1/4" x 3/4"
SPP26-114100	1 1/4" x 1"
SPP26-11234	1 1/2" x 3/4"
SPP26-112100	1 1/2" x 1"
SPP26-112114	1 1/2" x 1 1/4"
SPP26-20034	2" x 3/4"
SPP26-200100	2" x 1"
SPP26-200114	2" x 1 1/4"
SPP26-200112	2" x 1 1/2"
SPP26-300200	3" x 2"



**NYLON
PLUG**
MPT

No.	MPT
SPP31-18	1/8"
SPP31-14	1/4"
SPP31-38	3/8"
SPP31-12	1/2"
SPP31-34	3/4"
SPP31-100	1"
SPP31-114	1 1/4"
SPP31-112	1 1/2"
SPP31-200	2"



**NYLON
TEE
FPT**

No.	FPT
SPP29-18	1/8"
SPP29-14	1/4"
SPP29-12	1/2"
SPP29-34	3/4"
SPP29-100	1"
SPP29-114	1 1/4"
SPP29-112	1 1/2"
SPP29-200	2"



**NYLON TEE
WITH 1/4"
GAUGE
PORT**

No.	FPT	Port
SPP30-12	1/2"	1/4"
SPP30-34	3/4"	1/4"
SPP30-100	1"	1/4"
SPP30-114	1 1/4"	1/4"



**NYLON
NIPPLES**
UNF x UNF
MPT x MPT

No.	UNF x UNF
MPT x MPT	
SPP33-18	1/8" x 1/8"
SPP33-1814	1/8" x 1/4"
SPP33-1838	1/8" x 3/8"
SPP33-14	1/4" x 1/4"
SPP33-1438	1/4" x 3/8"
SPP33-1412	1/4" x 1/2"
SPP33-38	3/8" x 3/8"
SPP33-3812	3/8" x 1/2"
SPP33-3834	3/8" x 3/4"
SPP33-12	1/2" x 1/2"
SPP33-1234	1/2" x 3/4"
SPP33-34	3/4" x 3/4"
SPP33-100	1" x 1"
SPP33-114	1 1/4" x 1 1/4"
SPP33-114100	1 1/4" x 1"
SPP33-112	1 1/2" x 1 1/2"
SPP33-200	2" x 2"



**NYLON STREET
ELBOW**
FPT x MPT

No.	FPT x MPT
SPP24-18	1/8" x 1/8"
SPP24-14	1/4" x 1/4"
SPP24-38	3/8" x 3/8"
SPP24-12	1/2" x 1/2"
SPP24-34	3/4" x 3/4"
SPP24-100	1" x 1"
SPP24-114	1 1/4" x 1 1/4"
SPP24-112	1 1/2" x 1 1/2"
SPP24-200	2" x 2"



**NYLON
45° STREET
ELBOW**
FPT x MPT

No.	FPT x MPT
-	3/4" x 1/2"
SPP25-34	3/4" x 3/4"



**NYLON
90° ELBOW**
FPT

No.	FPT
SPP22-14	1/4" x 1/4"
SPP22-12	1/2" x 1/2"
SPP22-34	3/4" x 3/4"
SPP22-100	1" x 1"
SPP22-114	1 1/4" x 1 1/4"
SPP22-112	1 1/2" x 1 1/2"
SPP22-200	2" x 2"



**NYLON
CAPS**

No.	FPT
SPP32-14	1/4"
SPP32-38	3/8"
SPP32-12	1/2"
-	3/4"

**WARNING: COUPLINGS SHOULD NEVER BE DISCONNECTED UNDER PRESSURE OR WITH LIQUID IN THE LINE
FOR REPAIR PARTS SEE PAGE 243**

POLYPROPYLENE CAMLOCK COUPLERS & ADAPTERS

Size	(A)	(B)	(C)	(D)	(E)	(F)		
	FPT ADAPTER	MPT COUPLER	HOSE SHANK COUPLER	FPT COUPLER	HOSE SHANK ADAPTER	MPT ADAPTER	CAP	PLUG
HB/NPT Coupler	No.	No.	No.	No.	No.	No.	No.	No.
1" 1/2"	SPP7001P	SPP7015P	SPP61271	SPP7042P	SPP7056P	SPP7070P	SPP7084P	SPP7098P
1/2" 1/2"	SPP7001P1	SPP7015P1	SPP7028P1	SPP7042P1	SPP7056P1	SPP7070P1	SPP75506	SPP7099P
1/2" 3/4"	SPP7002P	SPP7016P	SPP7029P	SPP7043P	SPP7057P	SPP7071P	SPP75506	SPP7099P
3/4" 3/4"	SPP7003P	SPP7017P	SPP7030P	SPP7044P	SPP7058P	SPP7072P	SPP75507	SPP7100P
1" 1"	SPP75455	SPP70118P	SPP7031P	SPP7045P	SPP7059P	SPP7073P	SPP7087P	SPP7101P
1 1/4" 1 1/4"	SPP7004P1	SPP7018P1	SPP7031P1	SPP7045P1	SPP7059P1	SPP7073P1	SPP7088P	SPP7101P
1 1/4" 1 1/2"	SPP7005P	SPP7019P	SPP75469	SPP7046P	SPPGLP150E	SPP7074P	SPP7088P	SPP75502
1 1/2" 1 1/2"	SPP7006P	SPP7020P	SPP7033P	SPP7047P	SPP7061P	SPP7075P	SPP7089P	SPP7103P
2" 2"	SPP7008P	SPP7022P	SPP7035P	SPP7049P	SPP7063P	SPP7077P	SPP75511	SPP7105P
3" 3"	SPP7009P	SPP7023P	SPP75472	SPP7050P	SPP75486	SPP75498	SPP75512	SPP75505
4" 4"								

BANJO POLYPROPYLENE QUICK COUPLERS AND ADAPTERS

- Stainless steel rings, cam levers and pins resist corrosion
- Comes with EPDM gaskets standard (Buna-N, Viton, and Teflon also available)
- Operating Conditions -- 3/8" to 2" : [100 PSI @ 0°F] [125 PSI @ 70°F] [70 PSI @ 150°F] -- 2 1/2" to 4" : 75 PSI Max
- Interchangeable with most types of cam lever couplers
- 4532-1 & all 4" come with 3 arms
- (Banjo FDA Couplers come w/ FDA EPDM gaskets)

Size	(A)	(B)	(C)	(D)	(E)	(F)		
	FPT ADAPTER	MPT COUPLER	HOSE SHANK COUPLER	FPT COUPLER	HOSE SHANK ADAPTER	MPT ADAPTER	CAP	PLUG
HB/NPT Coupler	No.	No.	No.	No.	No.	No.	No.	No.
3/8" 3/4"	SPP75A3/8							
1/2" 3/4"	SPP75A1/2	SPP75B1/2	SPP050C	SPP050D	SPP050E	SPP050F	SPP075CAP	SPP75PL
3/4" 3/4"	SPP75A3/4	SPP75B3/4	SPP075C	SPP075D	SPP075E	SPP075F		
1" 1"	SPP100A	SPP100B	SPP100C	SPP100D	SPP100E	SPP100F	SPP100125CAP	SPP100125PL
1 1/4" 1"	SPP125A	SPP125B	SPP125C	SPP125D	SPP125E	SPP125F		
1 1/4" 1 1/2"	SPP150125A	SPP150125B	SPP150125C	SPP150125D	SPP150125E	SPP150125F	SPP150CAP	SPP150PL
1 1/2" 1 1/2"	SPP150A	SPP150B	SPP150C	SPP150D	SPP150E	SPP150F		
1 1/2" 2"			SPP200150C					
2" 2"	SPP200A	SPP200B	SPP200C	SPP200D	SPP200E	SPP200F	SPP200CAP	SPP200PL
2 1/2" 2"							SPP250CAP	
3" 3"	SPP300A	SPP300B	SPP300C	SPP300D	SPP300E	SPP300F	SPP300CAP	SPP300PL
3" (3 arms)		SPP303B	SPP303C					
4" 4"	SPP400A	SPP400B	SPP400C	SPP400D	SPP400E	SPP400F	SPP400CAP	SPP400PL

DUST CAPS



- Buchanan 1" Dust Cap Poly

No.	Description
SPPCDC-100-PP	1" Dust Cap Poly



- Banjo 2" Cam Lever Dust Cap
- Short arms

No.	Description
SPP200CAPSH	2" Cam Lever Cap

Call for information if part numbers are not listed (-)

1-888-937-7278

BANJO 90° & 45° POLYPROPYLENE COUPLERS

	FEMALE ADAPTER		HOSE BARB COUPLER		FEMALE COUPLER		MALE ADAPTER
No.	Size	No.	Size	No.	Size	No.	Size
SPP150A90	1½"	SPP150C90	1½"	SPP150D90	1½"	SPP150F90	1½"
SPP200A90	2"	SPP200C90	2"	SPP200D90	2"	SPP200F90	2"

	2" 45° MALE ADAPTER Part No. SPP200F45		2" 90° FEMALE COUPLER x MPT Part No. SPP200B90		3" FEMALE w/ 3 ARMS x 2" MALE ADAPTER Part No. SPP303B200A		MALE SPOOL ADAPTERS 125 PSI Max
No.	Size	No.	Size	No.	Size	No.	Size
SPP200FF	2"	SPP300F200F	3" x 2"	SPP300FF	3"		

ALUMINUM CAMLOCK COUPLERS AND ADAPTERS

All sizes interlock with Banjo poly couplers except for 1/2" and 1 1/4"

- Comes with stainless steel cam levers
- Good for most ag chemicals and fertilizers

	FPT ADAPTER	MPT COUPLER	HOSE SHANK COUPLER	FPT COUPLER	HOSE SHANK ADAPTER	MPT ADAPTER	CAP	PLUG
Size	No.	No.	No.	No.	No.	No.	No.	No.
HB/NPT Coupler	No.	No.	No.	No.	No.	No.	No.	No.
1/2" 1/2"	SPP7001A	SPP7015A	SPP7028A	SPP7042A	SPP7056A	SPP7070A	SPP7084A	SPP7098A
3/4" 3/4"	SPP7002A	SPP7016A	SPP7029A	SPP7043A	SPP7057A	SPP7071A	SPP7085A	
1" 1"	SPP7003A	SPP7017A	SPP7030A	SPP7044A	SPP7058A	SPP7072A	SPP7086A	SPP7100A
1 1/4" 1 1/4"	SPP7004A	SPP7018A	SPP7031A	SPP7045A	SPP7059A	SPP7073A	SPP7087A	
1 1/2" 1 1/2"	SPP7005A	SPP7019A	SPP7032A	SPP7046A	SPP7060A	SPP7074A	SPP7088A	SPP7102A
2" 2"	SPP7006A	SPP7020A	SPP7033A	SPP7047A	SPP7061A	SPP7075A	SPP7089A	SPP7103A
2 1/2" 2 1/2"	SPP7007A	SPP7021AS	SPP7034A	SPP7048A	SPP7062A	SPP7076A	SPP7090A	-
3" 3"	SPP7008A	SPP7022A	SPP7035A	SPP7049A	SPP7063A	SPP7077A	SPP7091A	SPP7105A
4" 4"	SPP7009A	SPP7023A	SPP7036A	SPP7050A	SPP7064A	SPP7078A	SPP7092A	SPP7106A
5" 5"	SPP7010A	-	-	-	-	SPP7079A	SPP7093B	-
6" 6"	SPPCGA-600-A1	SPP7025A	SPP7038A	SPP7052A	SPP7066A	SPP7080A	SPP7094A	SPP7108A
8" 8"	-	-	-	SPP7053A	SPP7067A	-	-	-

STAINLESS STEEL CAMLOCK COUPLERS AND ADAPTERS

- 316 Stainless Steel / 304 Stainless Steel arms/pins
- Will interlock with all sizes of Banjo polypropylene couplers except for 1/2" and 1 1/4"
- Completely interchangeable with Banjo SS couplers
- 150 PSI Max.
- Buna-N gaskets
- Hair pins supplied for locking in closed position
- Good for most fertilizer and agricultural chemicals

	FPT ADAPTER	MPT COUPLER	HOSE SHANK COUPLER	FPT COUPLER	HOSE SHANK ADAPTER	MPT ADAPTER	CAP	PLUG
Size	No.	No.	No.	No.	No.	No.	No.	No.
HB/NPT Coupler	No.	No.	No.	No.	No.	No.	No.	No.
1/2" 1/2"	SPP7001SS	SPP7015SS	SPP7028SS	SPP7042SS	SPP7056SS	SPP7070SS	SPP7084SS	SPP7098SS
3/4" 3/4"	SPP7002SS	SPP7016SS	SPP7029SS	SPP7043SS	SPP7057SS	SPP7071SS	SPP7085SS	-
1" 1"	SPP7003SS	SPP7017SS	SPP7030SS	SPP7044SS	SPP7058SS	SPP7072SS	SPP7086SS	SPP7100SS
1 1/4" 1 1/4"	SPP7004SS	SPP7018SS	SPP7031SS	SPP7045SS	SPP7059SS	SPP7073SS	SPP7087SS	SPP7101SS
1 1/2" 1 1/2"	SPP7005SS	SPP7019SS	SPP7032SS	SPP7046SS	SPP7060SS	SPP7074SS	SPP7088SS	-
2" 2"	SPP7006SS	SPP7020SS	SPP7033SS	SPP7047SS	SPP7061SS	SPP7075SS	SPP7089SS	SPP7103SS
2 1/2" 2 1/2"	SPP7007SS	-	SPP7034SS	SPP7048SS	SPP7062SS	SPP7076SS	SPP7090SS	SPP7104SS
3" 3"	SPP7008SS	SPP7022SS	SPP7035SS	SPP7049SS	SPP7063SS	SPP7077SS	SPP7091SS	SPP7105SS
4" 4"	SPP7009SS	SPP7023SS	SPP7036SS	SPP7050SS	-	-	SPP7092SS	SPP7106SS
6" 6"	SPP7011SS	SPP7025SS	-	SPP7052SS	SPP7066SS	SPP7080SS	SPP7094SS	SPP7108SS

POLY / NYLON / METAL FITTINGS



3" MANIFOLD COUPLING X 5.5" W/ 1/4" PORT

- Positive seals.
- Quick — easy assembly.
- Easy On/Off hose connections.
- 1" — 2" fittings pressure to 150 P.S.I. at 70°F.

No.	Size Pipe / Hose
SPPM300CPG55G	3"



QUICK CONNECT FITTINGS

Use on valves and components equipped with Quick Connect outlets.
• Rated to 300 PSI.

No.	Size Pipe / Hose
SPP45529-90-3/4	3/4" 90° Hose Barb (F)



**EPDM GASKETS
CAM LEVER
COUPLERS**

Thickness: 1/4"

No.	Size Pipe / Hose	Gasket Size ID x OD
*SPP75G	1/2"	7/8" x 1 1/8"
*+SPP75G	3/4"	7/8" x 1 1/8"
*+SPP100G	1"	1 1/8" x 1 1/8"
*SPP100G	1 1/4"	1 1/8" x 1 1/8"
*+SPP150G	1 1/2"	1 5/8" x 2 3/16"
*+SPP200G	2"	2" x 2 5/8"
*+SPP300G	3"	3" x 3 3/4"
*+SPP400G	4"	4" x 5"

- * For all Banjo couplings.
- + For Aluminum & Stainless Steel couplings 1/2", 1 1/4" & 2 1/2" available only in Buna-N or Viton.

**BANJO PTFE GASKET
CAM LEVER COUPLINGS**

No.	Size Pipe / Hose	Gasket Size ID x OD
SPP200GT	2"	

- For all Banjo couplings.
- + For Aluminum & Stainless Steel couplings



**BUNA N GASKETS
CAM LEVER
COUPLERS
Thickness: 1/4"**

No.	Coupler Size	Gasket Size ID x OD
+SPP2947B	1/2"	5/8" x 1"
+SPPCG-125-NBR	1 1/4"	1 15/16" x 1 15/16"
*+SPP150GB	1 1/2"	1 5/8" x 2 3/16"
*+SPP200GB	2"	2" x 2 5/8"
+SPP2953B	2 1/2"	2 3/8" x 3 1/4"
*+SPP300GB	3"	3" x 3 3/4"
*+SPP2955B	4"	4" x 5"
+SPP2956B	5"	5" x 6"
+SPP2957B	6"	6" x 7"
+SPP2958B	8"	8" x 9"

- * For all Banjo couplings.
- + For Aluminum & Stainless Steel couplers.



**BANJO POLY COUPLER
STAINLESS STEEL ARMS WITH
RINGS**

FITS MOST COUPLERS
Purchase pins separately below

No.	Mfg. No.	Coupler Size
SPP75K	75K	1/2" & 3/4"
SPP150(200)K	150K	1 1/2" & 2"
SPP300K	300K	3" & 4"



**BANJO CAM LEVER COUPLER
REPLACEMENT STAINLESS STEEL PINS**

No.	Coupler Size	Pin Size ID x OD
SPP200P	1 1/2"	1 1/8" x .250
SPP200P	2"	1 1/8" x .250
SPP300P	3"	1 1/8" x .310
SPP300P	4"	1 1/8" x .310



**STAINLESS STEEL
RINGS**

No.	Coupler Size
SPP100RING	1/2" x 1 1/4"



**EPDM GASKETS
EXTRA THICK**

Thickness: 5/16"

- Use on loose fitting couplers

No.	Size Pipe / Hose	Gasket Size ID x OD
*SPP075GXT	1/2"	7/8" x 1 1/8"
*+SPP075GXT	3/4"	7/8" x 1 1/8"
*+SPP100GXT	1"	1 1/8" x 1 1/8"
*SPP100GXT	1 1/4"	1 1/8" x 1 1/8"
*+SPP150GXT	1 1/2"	1 5/8" x 2 3/16"
*+SPP200GXT	2"	2" x 2 5/8"
*+SPP300GXT	3"	3" x 3 3/4"



**VITON GASKETS
CAM LEVER
COUPLERS**

Thickness: 1/4"

No.	Coupler Size	Gasket Size ID x OD
+SPP2947V	1/2"	5/8" x 1"
*+SPP100GV	1"	1 1/8" x 1 1/8"
*SPP100GV	1 1/4"	1 1/8" x 1 1/8"
+SPP2950V	1 1/4"	1 5/8" x 1 5/8"
*+SPP150GV	1 1/2"	1 3/4" x 2 3/16"
*+SPP200GV	2"	2" x 2 5/8"
+SPP2953V	2 1/2"	3 3/8" x 3 1/8"
*+SPP300GV	3"	3" x 3 3/4"
*+SPP400GV	4"	4" x 5"

- * For all Banjo couplings.
- + For Aluminum & Stainless Steel couplers.



**STAINLESS STEEL CAM
ARMS**

(Arm, Pin & Ring)
For most Brass, Aluminum
& Stainless Steel
Cam Lock Fittings

No.	Mfg. No.	Coupler Size
SPP2528SS	HS-075-SS	1/2" & 3/4"
SPP2530SS	HS-100-SS	1"
SPPHS-200-SS	HS-200-SS	1 1/4" & 1 1/2" SPP2535SS
SPP2538SS	HS-300-SS	3", 4" & 5"
SPP2538SS	HS-600-SS	6"



**BRASS CAM ARMS,
RINGS & PINS**

(Arm, Pin & Ring)
For most Brass, Aluminum &
Stainless Steel Cam
Lock Fittings

No.	Mfg. No.	Coupler Size
SPP2530B	HF-100-BSS	1"
SPP2531B	HF-200-BSS	1 1/4" & 1 1/2" 2" & 2 1/2"
SPPHF-300-BCC	HF-300-BSS	3", 4" & 5"
-	HF-600-BSS	6" & 8"



**90° ELBOW -
304 STAINLESS STEEL**

No.	FPT x FPT
SPP8821CS	1/8"
SPP8822CS	1/4"
SPP8823CS	3/8"
SPP8824CS	1/2"
SPP8825CS	3/4"
SPP8826CS	1"
SPP8827CS	1 1/4"
SPP8828CS	1 1/2"
SPP8829CS	2"
SPP8831CS	3"
SPP8832CS	4"



**TEE -
304 STAINLESS STEEL**

No.	FPT x FPT x FPT
SPP8871CS	1/8"
SPP8872CS	1/4"
SPP8873CS	3/8"
SPP8874CS	1/2"
SPP8875CS	3/4"
SPP8876CS	1"
SPP8877CS	1 1/4"
SPP8878CS	1 1/2"
SPP8879CS	2"
SPP8880CS	2 1/2"
SPP8881CS	3"
SPP8882CS	4"



**UNION -
304 STAINLESS STEEL**

No.	FPT x FPT
SPP8883CS	1/8"
SPP8884CS	1/4"
SPP8885CS	3/8"
SPP8886CS	1/2"
SPP8887CS	3/4"
SPP8888CS	1"
SPP8889CS	1 1/4"
SPP8890CS	1 1/2"
SPP8891CS	2"
SPP8891CS1	2 1/2"
SPP8892CS1	3"
SPP8892CS2	4"



**45° ELBOW -
304 STAINLESS STEEL**

No.	FPT x FPT
SPP8835CS	1/4"
SPP8836CS	3/8"
SPP8837CS	1/2"
SPP8838CS	3/4"
SPP8839CS	1"
SPP8840CS	1 1/4"
SPP8841CS	1 1/2"
SPP8842CS	2"
SPP8843CS	2 1/2"
SPP8844CS	3"
SPP8845CS	4"



**PLUG -
304 STAINLESS STEEL**

No.	MPT
SPP8893CS	1/8"
SPP8894CS	1/4"
SPP8895CS	3/8"
SPP8896CS	1/2"
SPP8897CS	3/4"
SPP8898CS	1"
SPP8899CS	1 1/4"
SPP8900CS	1 1/2"
SPP8901CS	2"
SPP8902CS	2 1/2"
SPP8903CS	3"
SPP8904CS	4"



**CAP -
304 STAINLESS STEEL**

No.	FPT
-	1/8"
SPP8916CS	1/4"
SPP8917CS	3/8"
SPP8918CS	1/2"
SPP8919CS	3/4"
SPP8920CS	1"
SPP8921CS	1 1/4"
SPP8922CS	1 1/2"
SPP8923CS	2"
SPP8923CS1	2 1/2"
SPP8924CS	3"
SPP8924CS1	4"



**COUPLING -
304 STAINLESS STEEL**

No.	FPT x FPT
SPP8857CS	1/8"
SPP8858CS	1/4"
SPP8859CS	3/8"
SPP8860CS	1/2"
SPP8861CS	3/4"
SPP8862CS	1"
SPP8863CS	1 1/4"
SPP8864CS	1 1/2"
SPP8865CS	2"
SPP8866CS	2 1/2"
SPP8867CS	3"
SPP8868CS	4"



**REDUCING
BUSHING -
304 STAINLESS STEEL**

No.	MPT x FPT
SPP8966CS	1/4" x 1/8"
SPP8968CS	3/8" x 1/4"
SPP8970CS	1/2" x 1/4"
SPP8971CS	1/2" x 3/8"
SPP8972CS	3/4" x 1/4"
SPP8974CS	3/4" x 1/2"
SPP8977CS	1" x 1/2"
SPP8978CS	1" x 3/4"
SPP8982CS	1 1/4" x 3/4"
SPP8983CS	1 1/4" x 1"
SPP8986CS	1 1/2" x 3/4"
SPP8987CS	1 1/2" x 1"
SPP8988CS	1 1/2" x 1 1/4"
SPP8993CS	2" x 1 1/2"
SPP8994CS	2 1/2" x 2"
SPP8995CS	3" x 2"



**REDUCING COUPLING -
304 STAINLESS
STEEL**

No.	FPT x FPT
SPP8940CS	1/4" x 1/8"
SPP8942CS	3/8" x 1/4"
SPP8943CS	1/2" x 1/4"
SPP8944CS	1/2" x 3/8"
SPP8946CS	3/4" x 3/8"
SPP8947CS	3/4" x 1/2"
SPP8950CS	1" x 1/2"
SPP8951CS	1" x 3/4"
SPP8952CS	1 1/4" x 1/2"
SPP8953CS	1 1/4" x 3/4"
SPP8954CS	1 1/4" x 1"
SPP8955CS	1 1/2" x 1/2"
SPP8956CS	1 1/2" x 3/4"
SPP8957CS	1 1/2" x 1"
SPP8958CS	1 1/2" x 1 1/4"
SPP8959CS3	2" x 1"
SPP8959CS4	2" X 1 1/4"
SPP8959CS5	2" x 1 1/2"
SPP8961CS6	3" x 2"



**90° STREET ELBOW -
304 STAINLESS STEEL**

No.	FPT x FPT
SPP8846CS	1/8"
SPP8847CS	1/4"
SPP8848CS	3/8"
SPP8849CS	1/2"
SPP8850CS	3/4"
SPP8851CS	1"
SPP8852CS	1 1/4"
SPP8853CS	1 1/2"
SPP8854CS	2"



90° ELBOW - STAINLESS STEEL

No.	FPT x FPT
SPP8821SS	1/8"
SPP8822SS	1/4"
SPP8823SS	3/8"
SPP8824SS	1/2"
SPP8825SS	3/4"
SPP8826SS	1"
SPP8827SS	1 1/4"
SPP8828SS	1 1/2"
SPP8829SS	2"
SPP8830SS	2 1/2"
SPP8831SS	3"
SPP8832SS	4"



45° ELBOW STAINLESS STEEL

No.	FPT x FPT
SPP8834SS	1/8"
SPP8835SS	1/4"
SPP8836SS	3/8"
SPP8837SS	1/2"
SPP8838SS	3/4"
SPP8839SS	1"
SPP8840SS	1 1/4"
SPP8841SS	1 1/2"
SPP8842SS	2"
SPP8843SS	2 1/2"
SPP8844SS	3"
SPP8845SS	4"



90° STREET ELBOW STAINLESS STEEL

No.	FPT x MPT
SPP8846SS	1/8"
SPP8847SS	1/4"
SPP8848SS	3/8"
SPP8849SS	1/2"
SPP8850SS	3/4"
SPP8851SS	1"
SPP8852SS	1 1/4"
SPP8853SS	1 1/2"
SPP8854SS	2"
SPP8854SS1	2 1/2"
SPP8855SS	3"
SPP8856SS	4"



CAP STAINLESS STEEL

No.	FPT
SPP8915SS	1/8"
SPP8917SS	3/8"
SPP8918SS	1/2"
SPP8919SS	3/4"
SPP8920SS	1"
SPP8921SS	1 1/4"
SPP8922SS	1 1/2"
SPP8923SS	2"
SPP8923SS1	2 1/2"
SPP8924SS	3"
SPP8924SS1	4"



TEE STAINLESS STEEL

No.	FPT x FPT x FPT
SPP8871SS	1/8"
SPP8872SS	1/4"
SPP8873SS	3/8"
SPP8874SS	1/2"
SPP8875SS	3/4"
SPP8876SS	1"
SPP8877SS	1 1/4"
SPP8878SS	1 1/2"
SPP8879SS	2"
-	2 1/2"
SPP8881SS	3"
SPP8882SS	4"



FEMALE CROSS STAINLESS STEEL

No.	FPT
SPP9121SS	1/8"
SPP9122SS	1/4"
SPP9123SS	3/8"
SPP9124SS	1/2"
SPP9125SS	3/4"
SPP9126SS	1"
SPP9127SS	1 1/4"
SPP9128SS	1 1/2"
SPP9129SS	2"
SPP9129SS1	2 1/2"
SPP9131SS	4"



FLANGES STAINLESS STEEL

No.	FPT	O.D.
SPP8906SS	1/2"	3 1/2"
SPP8907SS	3/4"	3 3/4"
SPP8908SS	1"	4 1/4"
-	1 1/4"	4 5/8"
SPP8910SS	1 1/2"	5"
SPP8911SS	2"	6"
-	2 1/2"	7"
SPP8913SS	3"	7 1/2"
SPP8914SS	4"	9"



PLUG STAINLESS STEEL

No.	MPT
SPP8893SS	1/8"
SPP8894SS	1/4"
SPP8895SS	3/8"
SPP8896SS	1/2"
SPP8897SS	3/4"
SPP8898SS	1"
SPP8899SS	1 1/4"
SPP8900SS	1 1/2"
SPP8901SS	2"
SPP8902SS	2 1/2"
SPP8903SS	3"
SPP8904SS	4"



COUPLING STAINLESS STEEL
(Some sizes ridged)

No.	FPT x FPT
SPP8857SS	1/8"
SPP8858SS	1/4"
SPP8859SS	3/8"
SPP8860SS	1/2"
SPP8861SS	3/4"
SPP8862SS	1"
SPP8863SS	1 1/4"
SPP8864SS	1 1/2"
SPP8865SS	2"
SPP8866SS	2 1/2"
SPP8867SS	3"
SPP8868SS	4"



HALF COUPLING STAINLESS STEEL

Beveled edge for welding

No.	FPT	Length
SPP8857SSH	1/8"	.433"
SPP8858SSH	1/4"	.512"
SPP8859SSH	3/8"	.551"
SPP8860SSH	1/2"	.709"
SPP8861SSH	3/4"	.788"
SPP8862SSH	1"	.827"
SPP8863SSH	1 1/4"	.945"
SPP8864SSH	1 1/2"	.945"
SPP8865SSH	2"	1.10"
SPP8866SSH	2 1/2"	1.30"
SPP8867SSH	3"	1.42"



REDUCING COUPLING STAINLESS STEEL

No.	FPT x FPT
SPP8940SS	1/4" x 1/8"
SPP8941SS	3/8" x 1/8"
SPP8942SS	3/8" x 1/4"
SPP8943SS	1/2" x 1/4"
SPP8944SS	1/2" x 3/8"
SPP8946SS	3/4" x 3/8"
SPP8947SS	3/4" x 1/2"
SPP8950SS	1" x 1/2"
SPP8951SS	1" x 3/4"
SPP8952SS	1 1/4" x 1/2"
SPP8953SS	1 1/4" x 3/4"
SPP8954SS	1 1/2" x 1"
SPP8955SS	1 1/2" x 1/2"
SPP8956SS	1 1/2" x 3/4"
SPP8957SS	1 1/2" x 1"
SPP8958SS	1 1/2" x 1 1/4"
SPP8959SS1	2" x 1/2"
SPP8959SS2	2" x 3/4"
SPP8959SS3	2" x 1"
SPP8959SS4	2" x 1 1/4"
SPP8959SS5	2" x 1 1/2"
SPP8961SS6	3" x 2"
SPP8962SS1	4" x 3"

POLY / NYLON / METAL FITTINGS



**REDUCING BUSHING
STAINLESS STEEL**

No.	MPT x FPT
SPP8966SS	1/4" x 1/8"
SPP8967SS	3/8" x 1/8"
SPP8968SS	3/8" x 1/4"
SPP8970SS	1/2" x 1/4"
SPP8971SS	1/2" x 3/8"
SPP8972SS	3/4" x 1/4"
SPP8974SS	3/4" x 1/2"
SPP8977SS	1" x 1/2"
SPP8978SS	1" x 3/4"
SPP8982SS	1 1/4" x 3/4"
SPP8983SS	1 1/4" x 1"
SPP8986SS	1 1/2" x 3/4"
SPP8987SS	1 1/2" x 1"
SPP8988SS	1 1/2" x 1 1/4"
SPP8993SS	2" x 1 1/2"
SPP8994SS	2 1/2" x 2"
SPP8995SS	3" x 2"
SPP8996SS	4" x 3"



**UNION
STAINLESS STEEL**

No.	FPT x FPT
SPP8883SS	1/8"
SPP8884SS	1/4"
SPP8885SS	3/8"
SPP8886SS	1/2"
SPP8887SS	3/4"
SPP8888SS	1"
SPP8889SS	1 1/4"
SPP8890SS	1 1/2"
SPP8891SS	2"
SPP8891SS1	2 1/2"
SPP8892SS1	3"
SPP8892SS2	4"



**HEX
NIPPLES**

No.	MPT	Length
SPP122SS-18	1/8"	1.22"
SPP122SS-14	1/4"	1.30"
SPP122SS-38	3/8"	1.65"
SPP122SS-12	1/2"	1.97"
SPP122SS-34	3/4"	2"
SPP122SS-100	1"	2.48"
SPP122SS-114	1 1/4"	2.32"
SPP122SS-112	1 1/2"	2.54"
SPP122SS-200	2"	2.68"
-	2 1/2"	2.87"
SPP122SS-300	3"	3.39"
SPP122SS-400	4"	4.20"



STAINLESS STEEL PIPE NIPPLES

316 STAINLESS STEEL 150 PSI



No.	Size
SPP479-005-6	1/8" x 3/4"
SPP479-015-6	1/8" x 1 1/2"
SPP479-020-6	1/8" x 2"
SPP479-025-6	1/8" x 2 1/2"
SPP479-030-6	1/8" x 3"
SPP479-035-6	1/8" x 3 1/2"
SPP479-040-6	1/8" x 4"
SPP479-045-6	1/8" x 4 1/2"
SPP479-050-6	1/8" x 5"
SPP479-060-6	1/8" x 6"

No.	Size
SPP482-005-6	1/2" x 1 1/8"
SPP482-015-6	1/2" x 1 1/2"
SPP482-020-6	1/2" x 2"
SPP482-025-6	1/2" x 2 1/2"
SPP482-030-6	1/2" x 3"
SPP482-035-6	1/2" x 3 1/2"
SPP482-040-6	1/2" x 4"
SPP482-050-6	1/2" x 5"
SPP482-055-6	1/2" x 5 1/2"
SPP482-060-6	1/2" x 6"

No.	Size
SPP485-015-6	1 1/4" x 1 1/4"
SPP485-020-6	1 1/4" x 2"
SPP485-025-6	1 1/4" x 2 1/2"
SPP485-030-6	1 1/4" x 3"
SPP485-035-6	1 1/4" x 3 1/2"
SPP485-040-6	1 1/4" x 4"
SPP485-045-6	1 1/4" x 4 1/2"
SPP485-050-6	1 1/4" x 5"
SPP485-060-6	1 1/4" x 6"

No.	Size
SPP480-005-6	1/4" x 7/8"
SPP480-015-6	1/4" x 1 1/2"
SPP480-020-6	1/4" x 2"
SPP480-025-6	1/4" x 2 1/2"
SPP480-030-6	1/4" x 3"
SPP480-035-6	1/4" x 3 1/2"
SPP480-040-6	1/4" x 4"
SPP480-045-6	1/4" x 4 1/2"
SPP480-050-6	1/4" x 5"
SPP480-060-6	1/4" x 6"

No.	Size
SPP483-005-6	3/4" x 1 3/8"
SPP483-015-6	3/4" x 1 1/2"
SPP483-020-6	3/4" x 2"
SPP483-025-6	3/4" x 2 1/2"
SPP483-030-6	3/4" x 3"
SPP483-035-6	3/4" x 3 1/2"
SPP483-040-6	3/4" x 4"
SPP483-045-6	3/4" x 4 1/2"
SPP483-050-6	3/4" x 5"
SPP483-055-6	3/4" x 5 1/2"
SPP483-060-6	3/4" x 6"

No.	Size
SPP486-015-6	1 1/2" x 1 3/4"
SPP486-020-6	1 1/2" x 2"
SPP486-025-6	1 1/2" x 2 1/2"
SPP486-030-6	1 1/2" x 3"
SPP486-035-6	1 1/2" x 3 1/2"
SPP486-040-6	1 1/2" x 4"
SPP486-045-6	1 1/2" x 4 1/2"
SPP486-050-6	1 1/2" x 5"
SPP486-060-6	1 1/2" x 6"

No.	Size
SPP481-005-6	3/8" x 1"
SPP481-015-6	3/8" x 1 1/2"
SPP481-020-6	3/8" x 2"
SPP481-025-6	3/8" x 2 1/2"
SPP481-030-6	3/8" x 3"
SPP481-035-6	3/8" x 3 1/2"
SPP481-040-6	3/8" x 4"
SPP481-050-6	3/8" x 5"
SPP481-060-6	3/8" x 6"

No.	Size
SPP484-015-6	1" x 1 1/2"
SPP484-020-6	1" x 2"
SPP484-025-6	1" x 2 1/2"
SPP484-030-6	1" x 3"
SPP484-035-6	1" x 3 1/2"
SPP484-040-6	1" x 4"
SPP484-045-6	1" x 4 1/2"
SPP484-050-6	1" x 5"
SPP484-055-6	1" x 5 1/2"
SPP484-060-6	1" x 6"

No.	Size
SPP487-020-6	2" x 2"
SPP487-025-6	2" x 2 1/2"
SPP487-030-6	2" x 3"
SPP487-035-6	2" x 3 1/2"
SPP487-040-6	2" x 4"
SPP487-045-6	2" x 4 1/2"
SPP487-050-6	2" x 5"
SPP487-060-6	2" x 6"

No.	Size
SPP489-005-6	3" x 2 5/8"

No.	Size
SPP490-005-6	4" x 2 1/8"

POLY / NYLON / METAL FITTINGS

No.	Size
SPP479-005-1	1/8" x 3/4"
SPP479-015-1	1/8" x 1 1/2"
SPP479-020-1	1/8" x 2"
SPP479-025-1	1/8" x 2 1/2"
SPP479-030-1	1/8" x 3"
SPP479-035-1	1/8" x 3 1/2"
SPP479-040-1	1/8" x 4"
SPP479-060-1	1/8" x 6"
SPP479-080-1	1/8" x 8"
SPP479-120-1	1/8" x 12"

No.	Size
SPP480-005-1	1/4" x 7/8"
SPP480-015-1	1/4" x 1 1/2"
SPP480-020-1	1/4" x 2"
SPP480-025-1	1/4" x 2 1/2"
SPP480-030-1	1/4" x 3"
SPP480-035-1	1/4" x 3 1/2"
SPP480-040-1	1/4" x 4"
SPP480-045-1	1/4" x 4 1/2"
SPP480-055-1	1/4" x 5 1/2"
SPP480-060-1	1/4" x 6"
SPP480-090-1	1/4" x 9"
SPP480-120-1	1/4" x 12"

No.	Size
SPP481-005-1	3/8" x 1"
SPP481-015-1	3/8" x 1 1/2"
SPP481-020-1	3/8" x 2"
SPP481-025-1	3/8" x 2 1/2"
SPP481-030-1	3/8" x 3"
SPP481-040-1	3/8" x 4"
SPP481-045-1	3/8" x 4 1/2"
SPP481-050-1	3/8" x 5"
SPP481-055-1	3/8" x 5 1/2"
SPP481-060-1	3/8" x 6"
SPP481-080-1	3/8" x 8"

No.	Size
SPP482-005-1	1/2" x 1 1/8"
SPP482-015-1	1/2" x 1 1/2"
SPP482-020-1	1/2" x 2"
SPP482-025-1	1/2" x 2 1/2"
SPP482-030-1	1/2" x 3"
SPP482-035-1	1/2" x 3 1/2"
SPP482-040-1	1/2" x 4"
SPP482-045-1	1/2" x 4 1/2"
SPP482-050-1	1/2" x 5"
SPP482-055-1	1/2" x 5 1/2"
SPP482-060-1	1/2" x 6"
SPP482-070-1	1/2" x 7"
SPP482-090-1	1/2" x 9"
SPP482-110-1	1/2" x 11"

No.	Size
SPP483-005-1	3/4" x 1 1/8"
SPP483-015-1	3/4" x 1 1/2"
SPP483-020-1	3/4" x 2"
SPP483-025-1	3/4" x 2 1/2"
SPP483-030-1	3/4" x 3"
SPP483-035-1	3/4" x 3 1/2"
SPP483-040-1	3/4" x 4"
SPP483-045-1	3/4" x 4 1/2"
SPP483-050-1	3/4" x 5"
SPP483-055-1	3/4" x 5 1/2"
SPP483-060-1	3/4" x 6"
SPP483-070-1	3/4" x 7"
SPP483-080-1	3/4" x 8"
SPP483-090-1	3/4" x 9"
SPP483-100-1	3/4" x 10"

No.	Size
SPP484-005-1	1" x 1 1/2"
SPP484-020-1	1" x 2"
SPP484-025-1	1" x 2 1/2"
SPP484-030-1	1" x 3"
SPP484-035-1	1" x 3 1/2"
SPP484-040-1	1" x 4"
SPP484-050-1	1" x 5"
SPP484-055-1	1" x 5 1/2"
SPP484-060-1	1" x 6"
SPP484-070-1	1" x 7"
SPP484-110-1	1" x 11"
SPP484-120-1	1" x 12"

No.	Size
SPP485-015-1	1 1/4" x 1 1/8"
SPP485-020-1	1 1/4" x 2"
SPP485-025-1	1 1/4" x 2 1/2"
SPP485-030-1	1 1/4" x 3"
SPP485-035-1	1 1/4" x 3 1/2"
SPP485-040-1	1 1/4" x 4"
SPP485-045-1	1 1/4" x 4 1/2"
SPP485-060-1	1 1/4" x 6"
SPP485-070-1	1 1/4" x 7"
SPP485-090-1	1 1/4" x 9"
SPP485-110-1	1 1/4" x 11"
SPP485-120-1	1 1/4" x 12"

No.	Size
SPP486-015-1	1 1/2" x 1 1/4"
SPP486-020-1	1 1/2" x 2"
SPP486-025-1	1 1/2" x 2 1/2"
SPP486-030-1	1 1/2" x 3"
SPP486-040-1	1 1/2" x 4"
SPP486-060-1	1 1/2" x 6"
SPP486-100-1	1 1/2" x 10"
SPP486-120-1	1 1/2" x 12"

No.	Size
SPP487-020-1	2" x 2"
SPP487-035-1	2" x 3 1/2"
SPP487-040-1	2" x 4"
SPP487-060-1	2" x 6"
SPP487-090-1	2" x 9"
SPP487-110-1	2" x 11"
SPP487-120-1	2" x 12"

No.	Size
SPP488-025-1	2 1/2" x 2 1/2"
SPP488-030-1	2 1/2" x 3"
SPP488-120-1	2 1/2" x 12"

No.	Size
SPP489-005-1	3" x 2 5/8"
SPP489-035-1	3" x 3 1/2"
SPP489-040-1	3" x 4"
SPP489-060-1	3" x 6"
SPP489-110-1	3" x 11"
SPP489-120-1	3" x 12"

No.	Size
SPP490-005-1	4" x 2 5/8"
SPP490-045-1	4" x 4 1/2"
SPP490-050-1	4" x 5"
SPP490-055-1	4" x 5 1/2"
SPP490-060-1	4" x 6"
SPP490-070-1	4" x 7"
SPP490-080-1	4" x 8"
SPP490-090-1	4" x 9"
SPP490-100-1	4" x 10"
SPP490-110-1	4" x 11"
SPP490-120-1	4" x 12"



90° ELBOW

No.	FPT
SPP8821M	1/8"
SPP8822M	1/4"
SPP8823M	3/8"
SPP8824M	1/2"
SPP8825M	3/4"
SPP8826M	1"
SPP8827M	1 1/4"
SPP8828M	1 1/2"
SPP8829M	2"
SPP8830M	2 1/2"
SPP8831M	3"
SPP8832M	4"



TEE

No.	FPT
SPP8871M	1/8"
SPP8872M	1/4"
SPP8873M	3/8"
SPP8874M	1/2"
SPP8875M	3/4"
SPP8876M	1"
SPP8877M	1 1/4"
SPP8878M	1 1/2"
SPP8879M	2"
SPP8880M	2 1/2"
SPP8881M	3"
SPP8882M	4"



COUPLING

No.	FPT
SPP8857M	1/8"
SPP8858M	1/4"
SPP8859M	3/8"
SPP8860M	1/2"
SPP8861M	3/4"
SPP8862M	1"
SPP8863M	1 1/4"
SPP8864M	1 1/2"
SPP8865M	2"
SPP8866M	2 1/2"
SPP8867M	3"
SPP8868M	4"



REDUCING BUSHING

No.	MPT x FPT
SPP8966M	1/4" x 1/8"
SPP8967M	3/8" x 1/8"
SPP8968M	3/8" x 1/4"
SPP8969M	1/2" x 1/8"
SPP8970M	1/2" x 1/4"
SPP8971M	1/2" x 3/8"
SPP8972M	3/4" x 1/4"
SPP8973M	3/4" x 3/8"
SPP8974M	3/4" x 1/2"
SPP8977M	1" x 1/2"
SPP8978M	1" x 3/4"
SPP8980M	1 1/4" x 3/8"
SPP8981M	1 1/4" x 1/2"
SPP8982M	1 1/4" x 3/4"
SPP8983M	1 1/4" x 1"
SPP8985M	1 1/2" x 1/2"
SPP8986M	1 1/2" x 3/4"
SPP8987M	1 1/2" x 1"
SPP8988M	1 1/2" x 1 1/4"
SPP8989M	2" x 1/2"
SPP8990M	2" x 3/4"
SPP8991M	2" x 1"
SPP8992M	2" x 1 1/4"
SPP8993M	2" x 1 1/2"
SPP8995M	3" x 2"
SPP8996M	4" x 3"



45° ELBOW

No.	FPT
SPP8834M	1/8"
SPP8835M	1/4"
SPP8836M	3/8"
SPP8837M	1/2"
SPP8838M	3/4"
SPP8839M	1"
SPP8840M	1 1/4"
SPP8841M	1 1/2"
SPP8842M	2"
SPP8843M	2 1/2"
SPP8844M	3"
SPP8845M	4"



REDUCING TEE

No.	1 x 2 x 3
SPP8931M5	3/4" x 1/2" x 1/2"
SPP8931M6	1/2" x 1/2" x 3/4"
SPP8932M	3/4" x 3/4" x 1/2"
SPP8932M2	1" x 1/2" x 1/2"
SPP8932M3	1" x 1/2" x 3/4"
SPP8932M5	1" x 3/4" x 3/4"
SPP8932M7	1" x 1/2" x 1"
SPP8932M9	1" x 3/4" x 1"
SPP8933M	1" x 1" x 1/2"
SPP8934M	1" x 1" x 3/4"
SPP8935M	1 1/4" x 1 1/4" x 1/2"
SPP8936M	1 1/4" x 1 1/4" x 3/4"
SPP8937M	1 1/4" x 1 1/4" x 1"



STEEL MERCHANT COUPLING

No.	Size	Thread
SPP8857S	1/8"	Straight
SPP8858S	1/4"	Straight
SPP8859S	3/8"	Straight
SPP8860S	1/2"	Straight
SPP8861S	3/4"	Straight
SPP8862S	1"	Straight
SPP8863S	1 1/4"	Straight
SPP8864S	1 1/2"	Straight
SPP8865S	2"	Straight
SPP8866S	2 1/2"	Taper
SPP8867S	3"	Taper
SPP8868S	4"	Taper



90° STREET ELBOW

No.	FPT x MPT
SPP8846M	1/8"
SPP8847M	1/4"
SPP8848M	3/8"
SPP8849M	1/2"
SPP8850M	3/4"
SPP8851M	1"
SPP8852M	1 1/4"
SPP8853M	1 1/2"
SPP8854M	2"



CAP

No.	FPT
SPP8915M	1/8"
SPP8916M	1/4"
SPP8917M	3/8"
SPP8918M	1/2"
SPP8919M	3/4"
SPP8920M	1"
SPP8921M	1 1/4"
SPP8922M	1 1/2"
SPP8923M	2"
SPP8924M	3"
SPP8924M1	4"



STEEL MERCHANT HALF COUPLER
Chambered One End

No.	Size	Thread
SPP8858SH	1/4"	Straight
SPP8859SH	3/8"	Straight
SPP8860SH	1/2"	Straight
SPP8861SH	3/4"	Straight
SPP8863SH	1 1/4"	Straight
SPP8865SH	2"	Straight
SPP8866SH	2 1/2"	Taper
SPP8867SH	3"	Taper
SPP8868SH	4"	Taper



90° REDUCING ELBOW

No.	FPT x FPT
SPP8925M	3/8" x 1/4"
SPP8925M1	1/2" x 1/4"
SPP8925M2	1/2" x 3/8"
SPP8925M3	3/4" x 3/8"
SPP8926M	3/4" x 1/2"
SPP8927M	1" x 1/2"
SPP8928M	1" x 3/4"
SPP8928M3	1 1/4" x 3/4"
SPP8929M	1 1/4" x 1"
SPP8929M3	1 1/2" x 3/4"
SPP8929M4	1 1/2" x 1"
SPP8930M	1 1/2" x 1 1/4"
SPP8930M4	2" x 1"
SPP8930M8	2" x 1 1/4"
SPP8930M9	2" x 1 1/2"



FLANGE

No.	Size
SPP8907M	1/2"
SPP8908M	3/4"
SPP8909M	1"
SPP8910M	1 1/4"
SPP8911M	1 1/2"
SPP8912M	2"



LOCK NUTS

No.	FPT
SPP9135M	1/2"
SPP9136M	3/4"
SPP9137M	1"
SPP9138M	1 1/4"
SPP9139M	1 1/2"



PLUG

No.	MPT
SPP8893M	1/8"
SPP8894M	1/4"
SPP8895M	3/8"
SPP8896M	1/2"
SPP8897M	3/4"
SPP8898M	1"
SPP8899M	1 1/4"
SPP8900M	1 1/2"
SPP8901M	2"
SPP8902M	2 1/2"
SPP8903M	3"
SPP8904M	4"



REDUCING COUPLING

No.	FPT x FPT
SPP8942M	3/8" x 1/4"
SPP8943M	1/2" x 1/4"
SPP8944M	1/2" x 3/8"
SPP8946M	3/4" x 3/8"
SPP8947M	3/4" x 1/2"
SPP8950M	1" x 1/2"
SPP8951M	1" x 3/4"
SPP8952M	1 1/4" x 1/2"
SPP8953M	1 1/4" x 3/4"
SPP8954M	1 1/4" x 1"
SPP8955M	1 1/2" x 1/2"
SPP8956M	1 1/2" x 3/4"
SPP8957M	1 1/2" x 1"
SPP8958M	1 1/2" x 1 1/4"
SPP8959M1	2" x 1/2"
SPP8959M2	2" x 3/4"
SPP8959M3	2" x 1"
SPP8959M4	2" x 1 1/4"
SPP8959M5	2" x 1 1/2"
SPP8960M6	2 1/2" x 2"
SPP8961M5	3" x 1 1/2"
SPP8961M6	3" x 2"
SPP8961M7	3" x 2 1/2"
SPP8962M8	4" x 3"

Black Iron Continued....



**FEMALE CROSS
BLACK IRON**

No.	FPT
SPP9121M	1/8"
SPP9122M	1/4"
SPP9123M	3/8"
SPP9124M	1/2"
SPP9125M	3/4"
SPP9126M	1"
SPP9127M	1 1/4"
SPP9128M	1 1/2"
SPP9129M	2"



**UNION
BLACK IRON**

No.	FPT
SPP8884M	1/4"
SPP8885M	3/8"
SPP8886M	1/2"
SPP8887M	3/4"
SPP8888M	1"
SPP8889M	1 1/4"
SPP8890M	1 1/2"
SPP8891M	2"
SPP8891M1	2 1/2"
SPP8892M1	3"
SPP8892M2	4"



**REDUCING
BUSHING
GALVANIZED**

No.	MPT x FPT
SPP8966G	1/4" x 1/8"
SPP8967G	3/8" x 1/8"
SPP8968G	3/8" x 1/4"
SPP8969G	1/2" x 1/8"
SPP8970G	1/2" x 1/4"
SPP8971G	1/2" x 3/8"
SPP8972G	3/4" x 1/4"
SPP8973G	3/4" x 3/8"
SPP8974G	3/4" x 1/2"
SPP8975G	1" x 1/4"
SPP8976G	1" x 3/8"
SPP8977G	1" x 1/2"
SPP8978G	1" x 3/4"
SPP8980G	1 1/4" x 3/8"
SPP8981G	1 1/4" x 1/2"
SPP8982G	1 1/4" x 3/4"
SPP8983G	1 1/4" x 1"
SPP8985G	1 1/2" x 1/2"
SPP8986G	1 1/2" x 3/4"
SPP8987G	1 1/2" x 1"
SPP8988G	1 1/2" x 1 1/4"
SPP8989G	2" x 1/2"
SPP8990G	2" x 3/4"
SPP8991G	2" x 1"
SPP8992G	2" x 1 1/4"
SPP8993G	2" x 1 1/2"
SPP8994G	3" x 1 1/2"
SPP8995G	3" x 2"



**90° ELBOW
GALVANIZED**

No.	FPT x FPT
SPP8821G	1/8"
SPP8822G	1/4"
SPP8823G	3/8"
SPP8824G	1/2"
SPP8825G	3/4"
SPP8826G	1"
SPP8827G	1 1/4"
SPP8828G	1 1/2"
SPP8829G	2"
SPP8830G	2 1/2"
SPP8831G	3"
SPP8832G	4"



**45° ELBOW
GALVANIZED**

No.	FPT x FPT
SPP8835G	1/4"
SPP8836G	3/8"
SPP8837G	1/2"
SPP8838G	3/4"
SPP8839G	1"
SPP8840G	1 1/4"
SPP8841G	1 1/2"
SPP8842G	2"
SPP8843G	2 1/2"
SPP8844G	3"



**90° STREET
ELBOW
GALVANIZED**

No.	MPT x FPT
SPP8846G	1/8"
SPP8847G	1/4"
SPP8848G	3/8"
SPP8849G	1/2"
SPP8850G	3/4"
SPP8851G	1"
SPP8852G	1 1/4"
SPP8853G	1 1/2"
SPP8854G	2"



**90° REDUCING
ELBOW
GALVANIZED**

No.	FPT x FPT
SPP8925G	3/8" x 1/4"
SPP8925G1	1/2" x 1/4"
SPP8925G2	1/2" x 3/8"
SPP8925G3	3/4" x 3/8"
SPP8926G	3/4" x 1/2"
SPP8927G	1" x 1/2"
SPP8928G	1" x 3/4"
SPP8928G3	1 1/4" x 3/4"
SPP8929G	1 1/4" x 1"
SPP8929G3	1 1/2" x 3/4"
SPP8929G4	1 1/2" x 1"
SPP8930G	1 1/2" x 1 1/4"
SPP8930G4	2" x 1"
SPP8930G8	2" x 1 1/4"
SPP8930G9	2" x 1 1/2"



**TEE
GALVANIZED**

No.	FPT
SPP8871G	1/8"
SPP8872G	1/4"
SPP8873G	3/8"
SPP8874G	1/2"
SPP8875G	3/4"
SPP8876G	1"
SPP8877G	1 1/4"
SPP8878G	1 1/2"
SPP8879G	2"
SPP8880G	2 1/2"
SPP8881G	3"
SPP8882G	4"



**REDUCING TEE
GALVANIZED**

No.	1 x 2 x 3
SPP8931G6	3/4" x 1/2" x 1/2"
SPP8932G	3/4" x 3/4" x 1/2"
SPP8932G3	1" x 1/2" x 3/4"
SPP8932G5	1" x 3/4" x 3/4"
SPP8932G7	1" x 1/2" x 1"
SPP8932G9	1" x 3/4" x 1"
SPP8933G	1" x 1" x 1/2"
SPP8934G	1" x 1" x 3/4"
SPP8935G	1 1/4" x 1 1/4" x 1/2"
SPP8936G	1 1/4" x 1 1/4" x 3/4"
SPP8937G	1 1/4" x 1 1/4" x 1"



**FEMALE CROSS
GALVANIZED**

No.	FPT
SPP9121G	1/8"
SPP9122G	1/4"
SPP9123G	3/8"
SPP9124G	1/2"
SPP9125G	3/4"
SPP9126G	1"
SPP9127G	1 1/4"
SPP9128G	1 1/2"
SPP9129G	2"
SPP9130G	3"



**PLUG
GALVANIZED**

No.	MPT
SPP8893G	1/8"
SPP8894G	1/4"
SPP8895G	3/8"
SPP8896G	1/2"
SPP8897G	3/4"
SPP8898G	1"
SPP8899G	1 1/4"
SPP8900G	1 1/2"
SPP8901G	2"
SPP8902G	2 1/2"
SPP8903G	3"
SPP8904G	4"



**COUPLING
GALVANIZED**

No.	FPT x FPT
SPP8857G	1/8"
SPP8858G	1/4"
SPP8859G	3/8"
SPP8860G	1/2"
SPP8861G	3/4"
SPP8862G	1"
SPP8863G	1 1/4"
SPP8864G	1 1/2"
SPP8865G	2"
SPP8866G	2 1/2"
SPP8867G	3"
SPP8868G	4"



**SEAMLESS
STEEL
COUPLING
GALVANIZED**

No.	Size	Thread
SPP8857SG	1/8"	Straight
SPP8858SG	1/4"	Straight
SPP8859SG	3/8"	Straight
SPP8860SG	1/2"	Straight
SPP8861SG	3/4"	Straight
SPP8863SG	1 1/4"	Straight
SPP8865SG	2"	Straight
SPP8866SG	2 1/2"	Taper
SPP8867SG	3"	Taper
SPP8868SG	4"	Taper



**CAP
GALVANIZED**

No.	FPT
SPP8915G	1/8"
SPP8916G	1/4"
SPP8917G	3/8"
SPP8918G	1/2"
SPP8919G	3/4"
SPP8920G	1"
SPP8921G	1 1/4"
SPP8922G	1 1/2"
SPP8923G	2"
SPP8924G	3"
SPP8924G1	4"



**LOCK NUTS
GALVANIZED**

No.	Size
SPP9135G	1/2"
SPP9136G	3/4"
SPP9137G	1"
SPP9138G	1 1/4"
SPP9139G	1 1/2"
SPP9140G	2"

Call for information if part numbers are not listed (-)

1-888-937-7278

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**REDUCING
COUPLING
GALVANIZED**

No.	FPT x FPT
SPP8940G	1/4" x 1/8"
SPP8941G	3/8" x 1/8"
SPP8942G	3/8" x 1/4"
SPP8943G	1/2" x 1/4"
SPP8944G	1/2" x 3/8"
SPP8946G	3/4" x 3/8"
SPP8947G	3/4" x 1/2"
SPP8950G	1" x 1/2"
SPP8951G	1" x 3/4"
SPP8952G	1 1/4" x 1/2"
SPP8953G	1 1/4" x 3/4"
SPP8954G	1 1/2" x 1"
SPP8955G	1 1/2" x 1 1/2"
SPP8956G	1 1/2" x 3/4"
SPP8957G	1 1/2" x 1"
SPP8958G	1 1/2" x 1 1/4"
SPP8959G1	2" x 1/2"
SPP8959G2	2" x 3/4"
SPP8959G3	2" x 1"
SPP8959G4	2" x 1 1/4"
SPP8959G5	2" x 1 1/2"
SPP8960G6	2 1/2" x 2"
SPP8961G5	3" x 1 1/2"
SPP8961G6	3" x 2"
SPP8961G7	3" x 2 1/2"
SPP8962G8	4" x 3"



**UNION
GALVANIZED**

No.	FPT
SPP8884CS	1/4"
SPP8885G	3/8"
SPP8886G	1/2"
SPP8887G	3/4"
SPP8888G	1"
SPP8889G	1 1/4"
SPP8890G	1 1/2"
SPP8891G	2"
SPP8891G1	2 1/2"
SPP8892G1	3"
SPP8892G2	4"



**FLANGE
GALVANIZED**

No.	FPT
SPP8907G	1/2"
SPP8908G	3/4"
SPP8909G	1"
SPP8910G	1 1/4"
SPP8911G	1 1/2"
SPP8912G	2"

No.	Size
SPP479-005-3	1/8" x 3/4"
SPP479-020-3	1/8" x 2"
SPP479-030-3	1/8" x 3"
SPP479-035-3	1/8" x 3 1/2"
SPP479-040-3	1/8" x 4"
SPP479-045-3	1/8" x 4 1/2"
SPP479-050-3	1/8" x 5"
SPP479-050-6	1/8" x 5 1/2"
SPP479-060-3	1/8" x 6"
SPP479-080-3	1/8" x 8"
SPP479-080-4	1/8" x 9"
SPP479-100-3	1/8" x 10"

No.	Size
SPP480-005-3	1/4" x 7/8"
SPP480-015-3	1/4" x 1 1/2"
SPP480-020-3	1/4" x 2"
SPP480-025-3	1/4" x 2 1/2"
SPP480-030-3	1/4" x 3"
SPP480-040-3	1/4" x 4"
SPP480-045-3	1/4" x 4 1/2"
SPP480-055-1	1/4" x 5 1/2"
SPP480-060-3	1/4" x 6"
SPP480-100-3	1/4" x 10"

No.	Size
SPP481-005-3	3/8" x 1"
SPP481-015-3	3/8" x 1 1/2"
SPP481-020-3	3/8" x 2"
SPP481-030-3	3/8" x 3"
SPP481-035-3	3/8" x 3 1/2"
SPP481-040-3	3/8" x 4"
SPP481-045-3	3/8" x 4 1/2"
SPP481-055-3	3/8" x 5 1/2"
SPP481-070-3	3/8" x 7"
SPP481-080-3	3/8" x 8"
SPP481-090-1	3/8" x 9"

No.	Size
SPP482-005-3	1/2" x 1 1/2"
SPP482-015-3	1/2" x 1 1/2"
SPP482-020-3	1/2" x 2"
SPP482-030-3	1/2" x 3"
SPP482-035-3	1/2" x 3 1/2"
SPP482-040-3	1/2" x 4"
SPP482-045-3	1/2" x 4 1/2"
SPP482-050-3	1/2" x 5"
SPP482-060-3	1/2" x 6"
SPP482-080-3	1/2" x 8"
SPP482-090-3	1/2" x 9"
SPP482-100-3	1/2" x 10"

No.	Size
SPP483-005-3	3/4" x 1 1/2"
SPP483-015-3	3/4" x 1 1/2"
SPP483-020-3	3/4" x 2"
SPP483-025-3	3/4" x 2 1/2"
SPP483-030-3	3/4" x 3"
SPP483-035-3	3/4" x 3 1/2"
SPP483-040-3	3/4" x 4"
SPP483-045-3	3/4" x 4 1/2"
SPP483-055-3	3/4" x 5 1/2"
SPP483-060-3	3/4" x 6"
SPP483-070-3	3/4" x 7"

No.	Size
SPP484-005-3	1" x 1 1/2"
SPP484-020-3	1" x 2"
SPP484-030-3	1" x 3"
SPP484-035-3	1" x 3 1/2"
SPP484-040-3	1" x 4"
SPP484-045-3	1" x 4 1/2"
SPP484-055-3	1" x 5 1/2"
SPP484-060-3	1" x 6"
SPP484-070-3	1" x 7"
SPP484-080-3	1" x 8"
SPP484-100-3	1" x 10"
SPP484-110-3	1" x 11"
SPP484-120-3	1" x 12"

No.	Size
SPP485-015-3	1 1/4" x 1 1/2"
SPP485-020-3	1 1/4" x 2"
SPP485-025-3	1 1/4" x 2 1/2"
SPP485-030-3	1 1/4" x 3"
SPP485-035-3	1 1/4" x 3 1/2"
SPP485-040-3	1 1/4" x 4"
SPP485-045-3	1 1/4" x 4 1/2"
SPP485-060-3	1 1/4" x 6"
SPP485-080-3	1 1/4" x 8"
SPP485-100-3	1 1/4" x 10"
SPP485-120-3	1 1/4" x 12"

No.	Size
SPP486-015-3	1 1/2" x 1 3/4"
SPP486-020-3	1 1/2" x 2"
SPP486-025-3	1 1/2" x 2 1/2"
SPP486-030-3	1 1/2" x 3"
SPP486-035-3	1 1/2" x 3 1/2"
SPP486-040-3	1 1/2" x 4"
SPP486-045-3	1 1/2" x 4 1/2"
SPP486-050-3	1 1/2" x 5"
SPP486-055-3	1 1/2" x 5 1/2"
SPP486-060-3	1 1/2" x 6"

No.	Size
SPP487-020-3	2" x 2"
SPP487-025-3	2" x 2 1/2"
SPP487-030-3	2" x 3"
SPP487-035-3	2" x 3 1/2"
SPP487-040-3	2" x 4"
SPP487-055-3	2" x 5 1/2"
SPP487-060-3	2" x 6"
SPP487-070-3	2" x 7"

No.	Size
SPP488-030-3	2 1/2" x 3"
SPP488-035-3	2 1/2" x 3 1/2"
SPP488-045-3	2 1/2" x 4 1/2"
SPP488-080-3	2 1/2" x 8"

No.	Size
SPP489-005-3	3" x 2 1/2"
SPP489-030-3	3" x 3"
SPP489-050-3	3" x 5"
SPP489-060-3	3" x 6"
SPP489-100-3	3" x 10"
SPP489-120-3	3" x 12"

No.	Size
SPP490-005-1	4" x 2 1/8"
SPP490-045-3	4" x 4 1/2"
SPP490-050-3	4" x 5"
SPP490-055-3	4" x 5 1/2"
SPP490-060-3	4" x 6"
SPP490-070-3	4" x 7"
SPP490-080-3	4" x 8"
SPP490-090-3	4" x 9"
SPP490-100-3	4" x 10"
SPP490-110-3	4" x 11"
SPP490-120-3	4" x 12"



STEEL ADAPTER PLATED
MPT x HB

No.	MPT x HB
SPP10-12SP	1/2" x 1/2"
SPP10-34SP	3/4" x 3/4"
SPP10-100SP	1" x 1"
SPP10-114SP	1 1/4" x 1 1/4"
SPP10-112SP	1 1/2" x 1 1/2"
SPP10-200SP	2" x 2"
SPP10-212SP	2 1/2" x 2 1/2"
SPP10-300SP	3" x 3"
SPP10-500SP	5" x 5"
SPP10-600SP	6" x 6"
SPP10-800SP	8" x 8"



STEEL ADAPTER PLAIN
MPT x HB

No.	MPT x HB
SPP10-12S	1/2" x 1/2"
SPP10-34S	3/4" x 3/4"
SPP10-100S	1" x 1"
SPP10-114S	1 1/4" x 1 1/4"
SPP10-112S	1 1/2" x 1 1/2"
SPP10-200S	2" x 2"
SPP10-212S	2 1/2" x 2 1/2"
SPP10-300S	3" x 3"
SPP10-400S	4" x 4"
SPP10-500S	5" x 5"
SPP10-600S	6" x 6"
SPP10-800S	8" x 8"



STEEL JOINER PLATED
HB x HB

No.	HB x HB
SPP14-12SP	1/2" x 1/2"
SPP14-34SP	3/4" x 3/4"
SPP14-100SP	1" x 1"
SPP14-114SP	1 1/4" x 1 1/4"
SPP14-112SP	1 1/2" x 1 1/2"
SPP14-200SP	2" x 2"
SPP14-212SP	2 1/2" x 2 1/2"
SPP14-400SP	4" x 4"
SPP14-500SP	5" x 5"
SPP14-600SP	6" x 6"
SPP14-800SP	8" x 8"



STEEL SWIVEL ADAPTER PLATED
FPT x HB

No.	HB	Nut Req.
Sealing Washer		
SPPW406V	3/4" Washer	



STEEL JOINER PLAIN
HB x HB

No.	HB x HB
SPP14-12S	1/2" x 1/2"
SPP14-34S	3/4" x 3/4"
SPP14-100S	1" x 1"
SPP14-114S	1 1/4" x 1 1/4"
SPP14-112S	1 1/2" x 1 1/2"
SPP14-200S	2" x 2"
SPP14-212S	2 1/2" x 2 1/2"
SPP14-300S	3" x 3"
SPP14-400S	4" x 4"
SPP14-500S	5" x 5"
SPP14-600S	6" x 6"
SPP14-800S	8" x 8"

STAINLESS STEEL & ALUMINUM HOSE FITTINGS



316 STAINLESS STEEL HOSE ADAPTERS
MPT x HB

No.	MPT x HB
SPPHB025-038SS	1/4" x 3/8"
SPPHB025-050SS	1/4" x 1/2"
SPP10-38SS	3/8" x 3/8"
SPPHB038-050SS	3/8" x 1/2"
SPP10-12SS	1/2" x 1/2"
SPPHB050-058SS	1/2" x 5/8"
SPPHB050-075SS	1/2" x 3/4"
SPP10-34SS	3/4" x 3/4"
SPPHB075-100SS	3/4" x 1"
SPP10-100SS	1" x 1"
SPP10-114SS	1 1/4" x 1 1/4"
SPP10-112SS	1 1/2" x 1 1/2"
SPP10-300SS*	3" x 3"
SPP10-400SS*	4" x 4"
SPP10-500SS*	5" x 5"
SPP10-600SS*	6" x 6"
SPP10-800SS*	8" x 8"



ALUMINUM HOSE ADAPTERS
MPT x HB

No.	MPT x HB
SPP10-34A	3/4" x 3/4"
SPP10-100A	1" x 1"
SPP10-114A	1 1/4" x 1 1/4"
SPP10-112A	1 1/2" x 1 1/2"
SPP10-200A	2" x 2"
SPP10-300A	3" x 3"
SPP10-400A	4" x 4"



ALUMINUM HOSE JOINER
HB x HB

No.	HB x HB
SPP14-112A	1 1/2" x 1 1/2"
SPP14-200A	2" x 2"
SPP14-212A	2 1/2" x 2 1/2"
SPP14-300A	3" x 3"
SPP14-400A	4" x 4"
SPP14-600A	6" x 6"

* Sizes are 304SS



BRASS ADAPTER
MPT x HB

No.	MPT x HB
SPP10-1032116B	10/32" x 1/16"
SPP10-103218B	10/32" x 1/8"
SPP10-18B	1/8" x 1/8"
SPP10-18316B	1/8" x 3/16"
SPP10-18516B	1/8" x 5/16"
SPP10-1838B	1/8" x 3/8"
SPP10-1418B	1/4" x 1/8"
SPP10-14316B	1/4" x 3/16"
SPP10-14B	1/4" x 1/4"
SPP10-14516B	1/4" x 5/16"
SPP10-1438B	1/4" x 3/8"
SPP10-1412B	1/4" x 1/2"
SPP10-3814B	3/8" x 1/4"
SPP10-38516B	3/8" x 5/16"
SPP10-38B	3/8" x 3/8"
SPP10-3812B	3/8" x 1/2"
SPP10-3858B	3/8" x 5/8"
SPP10-3834B	3/8" x 3/4"
SPP10-1214B	1/2" x 1/4"
SPP10-1238B	1/2" x 3/8"
SPP73939	1/2" x 1/2"
SPP10-1258B	1/2" x 5/8"
SPP10-1234B	1/2" x 3/4"
SPP10-3412B	3/4" x 1/2"
SPP10-3458B	3/4" x 5/8"
SPP10-34B	3/4" x 3/4"
SPP10-34100B	3/4" x 1"
SPP10-100B	1" x 1"
SPP10-10014B	1" x 1 1/4"
SPP10-114B	1 1/2" x 1 1/2"
SPP10-112B	1 1/2" x 1 1/2"
SPP10-212B	2 1/2" x 2 1/2"
SPP10-300B	3" x 3"
SPP10-400B	4" x 4"



BRASS ADAPTER
FPT x HB

No.	FPT x HB
SPP11-18316B	1/8" x 3/16"
SPP11-1838B	1/8" x 3/8"
SPP11-1418B	1/4" x 1/8"
SPP11-14316B	1/4" x 3/16"
SPP11-14B	1/4" x 1/4"
SPP11-14516B	1/4" x 5/16"
SPP11-1412B	1/4" x 1/2"
SPP11-3814B	3/8" x 1/4"
SPP11-38516B	3/8" x 5/16"
SPP11-38B	3/8" x 3/8"
SPP11-3812B	3/8" x 1/2"
SPP11-12B	1/2" x 1/2"
SPP11-34B	3/4" x 3/4"
SPP11-34100B	3/4" x 1"



BRASS HOSE BARB SWIVEL
2" Long Hose Barb

No.	FGHT x HB
SPP90.900.046	3/4" x 3/8" x 2"
SPP90.900.021	3/4" x 1/2" x 2"
-	3/4" x 3/4" x 2"



BRASS 90° ELBOW
MPT x HB

No.	MPT x HB
SPP12-18316B	1/8" x 3/16"
SPP12-18516B	1/8" x 5/16"
SPP12-1838B	1/8" x 3/8"
SPP12-14B	1/4" x 1/4"
SPP12-14516B	1/4" x 5/16"
SPP12-1438B	1/4" x 3/8"
SPP12-1458B	1/4" x 5/8"
SPP12-3814B	3/8" x 1/4"
SPP12-38516B	3/8" x 5/16"
SPP12-38B	3/8" x 3/8"
SPP12-3812B	3/8" x 1/2"
SPP12-3858B	3/8" x 5/8"
SPP12-1238B	1/2" x 3/8"
SPP12-12B	1/2" x 1/2"
SPP12-1258B	1/2" x 5/8"
SPP12-1234B	1/2" x 3/4"
SPP12-34B	3/4" x 3/4"
SPP12-34100B	3/4" x 1"



BRASS 45° ELBOW
MPT x HB

No.	MPT x HB
SPP19-1814B	1/8" x 1/4"
SPP19-1838B	1/8" x 3/8"
SPP19-14B	1/4" x 1/4"
SPP19-1438B	1/4" x 3/8"
SPP19-38B	3/8" x 3/8"
SPP19-3812B	3/8" x 1/2"
SPP19-3858B	3/8" x 5/8"



BRASS JOINER
HB x HB

No.	HB x HB
SPP14-18B	1/8" x 1/8"
SPP14-316B	3/16" x 3/16"
SPP14-516B	5/16" x 5/16"
SPP14-38B	3/8" x 3/8"
SPP14-12B	1/2" x 1/2"
SPP14-58B	5/8" x 5/8"
SPP14-34B	3/4" x 3/4"
SPP14-100B*	1" x 1"
SPP14-112B*	1 1/2" x 1 1/2"
SPP14-200B*	2" x 2"
SPP14-212B*	2 1/2" x 2 1/2"
SPP14-300B*	3" x 3"
SPP14-400B*	4" x 4"

*Union style



BRASS MIGHT HOSE BARB
2" Long Hose Barb

No.	MGHT x HB
SPP90.900.019	3/4" x 3/8" x 2"
SPP90.900.047	3/4" x 1/2" x 2"
SPP90.900.048	3/4" x 3/4" x 2"



BRASS HOSE JOINER

FPT Swivel Gasket Seat x HB

No.	FPT x HB
SPP63-18316B	1/8" x 3/16"
SPP63-14316B	1/4" x 3/16"
SPP63-14B	1/4" x 1/4"
SPP63-14516B	1/4" x 5/16"
SPP63-1438B	1/4" x 3/8"
SPP63-38B	3/8" x 3/8"
SPP63-12B	1/2" x 1/2"



BRASS WORKING SWIVEL COUPLER

Male Pipe Swivel x HB

No.	MPT x HB
SPP64-14B	1/4" x 1/4"
SPP64-1438B	1/4" x 3/8"
SPP64-38B	3/8" x 3/8"
SPP64-3812B	3/8" x 1/2"
SPP64-12B	1/2" x 1/2"
SPP64-34B	3/4" x 3/4"



BRASS BALL SEAT
NPSM Ball End Swivel x HB

No.	FPT x HB
SPP65-14B	1/4" x 1/4"
SPP65-1438B	1/4" x 3/8"
SPP65-38B	3/8" x 3/8"
SPP65-3812B	3/8" x 1/2"
SPP65-34B	3/4" x 3/4"



BRASS HOSE BARB TEE

No.	HB x HB x HB
SPP16-14B	1/4" x 1/4" x 1/4"
SPP16-516B	5/16" x 5/16" x 5/16"
SPP16-38B	3/8" x 3/8" x 3/8"



TEEJET BRASS DOUBLE HOSE CONNECTION

No.	Size
SPP5813B	1/2"
SPP6472B-400TD	3/4"



TEEJET BRASS SINGLE HOSE CONNECTION

No.	Size
SPP9191B-531TD	1/2"

POLY / NYLON / METAL FITTINGS


**BRONZE
90° ELBOW**

No.	FPT x FPT
SPP100-18	1/8"
SPP8822B	1/4"
SPP8823B	3/8"
SPP8824B	1/2"
SPP8825B	3/4"
SPP8826B	1"
SPP8827B	1 1/4"
SPP8828B	1 1/2"
SPP8829B	2"


**BRONZE
45° ELBOW**

No.	FPT x FPT
SPP8834B	1/8"
SPP8835B	1/4"
SPP8837B	1/2"
SPP8838B	3/4"
SPP8839B	1"
SPP8840B	1 1/4"
SPP8841B	1 1/2"
SPP8842B	2"


**BRONZE
90° STREET
ELBOW**

No.	FPT x MPT
SPP8846B	1/8"
SPP8847B	1/4"
SPP8848B	3/8"
SPP8849B	1/2"
SPP8850B	3/4"
SPP8851B	1"
SPP8852B	1 1/4"
SPP8853B	1 1/2"
SPP8854B	2"


**BRONZE
COUPLING**

No.	FPT x FPT
SPP8857B	1/8"
SPP8858B	1/4"
SPP8859B	3/8"
SPP8860B	1/2"
SPP8861B	3/4"
SPP8862B	1"
SPP8863B	1 1/4"
SPP8864B	1 1/2"
SPP8865B	2"


**BRONZE
FLANGE**

No.	Size
SPP8907B	1/2"
SPP8909B	1"
SPP8910B	1 1/4"
SPP8911B	1 1/2"
SPP8912B	2"


**BRONZE
TEE**

No.	FPT x FPT x FPT
SPP8871B	1/8"
SPP8872B	1/4"
SPP8873B	3/8"
SPP8874B	1/2"
SPP8875B	3/4"
SPP8876B	1"
SPP8877B	1 1/4"
SPP8878B	1 1/2"
SPP8879B	2"


**BRONZE
PLUG**

No.	MPT
SPP8893B	1/8"
SPP8894B	1/4"
SPP8895B	3/8"
SPP8896B	1/2"
SPP8897B	3/4"
SPP8898B	1"
SPP8899B	1 1/4"
SPP8900B	1 1/2"
SPP8901B	2"


**BRONZE
REDUCING
COUPLING**

No.	FPT x FPT
SPP8940B	1/4" x 1/8"
SPP8941B	3/8" x 1/8"
SPP8942B	3/8" x 1/4"
SPP8943B	1/2" x 1/4"
SPP8944B	1/2" x 3/8"
SPP8945B	3/4" x 1/4"
SPP8946B	3/4" x 3/8"
SPP8947B	3/4" x 1/2"
SPP8949B	1" x 3/8"
SPP8950B	1" x 1/2"
SPP8951B	1" x 3/4"
SPP8952B	1 1/4" x 1/2"
SPP8953B	1 1/4" x 3/4"
SPP8954B	1 1/4" x 1"
SPP8955B	1 1/2" x 1/2"
SPP8956B	1 1/2" x 3/4"
SPP8957B	1 1/2" x 1"
SPP8958B	1 1/2" x 1 1/4"
SPP8959B1	2" x 1/2"
SPP8959B2	2" x 3/4"
SPP8959B3	2" x 1"
SPP8959B4	2" x 1 1/4"
SPP8959B5	2" x 1 1/2"


**BRONZE
LOCK NUTS**

No.	Size
SPP111-14	1/4"
SPP9134B	3/8"
SPP9135B	1/2"
SPP9136B	3/4"
SPP9137B	1"
SPP9138B	1 1/4"
SPP9140B	2"


**BRONZE
UNION**

No.	Size
SPP8883B	1/8"
SPP8884B	1/4"
SPP8885B	3/8"
SPP8886B	1/2"
SPP8887B	3/4"
SPP8888B	1"
SPP8889B	1 1/4"
SPP8890B	1 1/2"
SPP8891B	2"


**BRONZE
CAP**

No.	FPT
SPP8915B	1/8"
SPP8916B	1/4"
SPP8917B	3/8"
SPP8918B	1/2"
SPP8919B	3/4"
SPP8920B	1"
SPP8921B	1 1/4"
SPP8922B	1 1/2"
SPP8923B	2"


**BRONZE REDUCING
BUSHING**

No.	MPT x FPT
SPP8966B	1/4" x 1/8"
SPP8967B	3/8" x 1/8"
SPP8968B	3/8" x 1/4"
SPP8969B	1/2" x 1/8"
SPP8970B	1/2" x 1/4"
SPP8971B	1/2" x 3/8"
SPP8972B	3/4" x 1/4"
SPP8973B	3/4" x 3/8"
SPP8974B	3/4" x 1/2"
SPP8975B	1" x 1/4"
SPP8976B	1" x 3/8"
SPP8977B	1" x 1/2"
SPP8978B	1" x 3/4"
SPP8980B	1 1/4" x 3/8"
SPP8981B	1 1/4" x 1/2"
SPP8982B	1 1/4" x 3/4"
SPP8983B	1 1/4" x 1"
SPP8985B	1 1/2" x 1/2"
SPP8986B	1 1/2" x 3/4"
SPP8987B	1 1/2" x 1"
SPP8988B	1 1/2" x 1 1/4"
SPP8989B	2" x 1/2"
SPP8990B	2" x 3/4"
SPP8991B	2" x 1"
SPP8992B	2" x 1 1/4"
SPP8993B	2" x 1 1/2"


**BRONZE
FEMALE CROSS**

No.	FPT
SPPF0102-A	1/8"
SPP102F-14	1/4"
SPP9123B	3/8"
SPP9124B	1/2"
SPP9125B	3/4"
SPP9126B	1"
SPP9127B	1 1/4"
SPP9128B	1 1/2"
SPP9129B	2"

No.	Size
SPP479-005-4	1/8" x 3/4"
SPP479-015-4	1/8" x 1 1/2"
SPP479-020-4	1/8" x 2"
SPP479-025-4	1/8" x 2 1/2"
SPP479-030-4	1/8" x 3"
SPP479-040-4	1/8" x 4"
SPP479-050-4	1/8" x 5"
SPP479-060-4	1/8" x 6"
SPP479-080-4	1/8" x 8"

No.	Size
SPP112-14	1/4" x 7/8"
SPP480-015-4	1/4" x 1 1/2"
SPP480-025-4	1/4" x 2 1/2"
SPP480-030-4	1/4" x 3"
SPP480-035-4	1/4" x 3 1/2"
SPP480-050-4	1/4" x 5"
SPP480-060-4	1/4" x 6"
SPP480-110-3	1/4" x 11"

No.	Size
SPP481-005-3	3/8" x 1"
SPP481-015-4	3/8" x 1 1/2"
SPP481-020-4	3/8" x 2"
SPP481-025-4	3/8" x 2 1/2"
SPP481-035-4	3/8" x 3 1/2"
SPP481-040-4	3/8" x 4"
SPP481-050-4	3/8" x 5"
SPP481-055-4	3/8" x 5 1/2"
SPP481-060-4	3/8" x 6"
SPP481-080-4	3/8" x 8"
SPP481-110-3	3/8" x 11"

No.	Size
SPP482-005-4	1/2" x 1 1/2"
SPP482-015-4	1/2" x 1 1/2"
SPP482-020-4	1/2" x 2"
SPP482-030-4	1/2" x 3"
SPP482-035-4	1/2" x 3 1/2"
SPP482-040-4	1/2" x 4"
SPP482-045-4	1/2" x 4 1/2"
SPP482-060-4	1/2" x 6"
SPP482-120-3	1/2" x 12"

No.	Size
SPP483-005-4	3/4" x 1 1/2"
SPP483-015-4	3/4" x 1 1/2"
SPP483-020-4	3/4" x 2"
SPP483-025-4	3/4" x 2 1/2"
SPP483-030-4	3/4" x 3"
SPP483-040-4	3/4" x 4"
SPP483-045-3	3/4" x 4 1/2"
SPP483-055-3	3/4" x 5 1/2"
SPP483-060-4	3/4" x 6"
SPP483-070-4	3/4" x 7"
SPP483-080-4	3/4" x 8"
SPP483-120-4	3/4" x 12"

No.	Size
SPP484-005-4	1" x 1 1/2"
SPP484-020-4	1" x 2"
SPP484-025-4	1" x 2 1/2"
SPP484-030-4	1" x 3"
SPP484-040-4	1" x 4"
SPP484-045-3	1" x 4 1/2"
SPP484-050-4	1" x 5"
SPP484-060-4	1" x 6"
SPP484-080-4	1" x 8"
SPP484-120-3	1" x 12"

No.	Size
SPP485-015-4	1 1/4" x 1 1/2"
SPP485-020-4	1 1/4" x 2"
SPP485-030-4	1 1/4" x 3"
SPP485-040-4	1 1/4" x 4"
SPP485-120-4	1 1/4" x 12"

No.	Size
SPP486-015-4	1 1/2" x 1 3/4"
SPP486-030-4	1 1/2" x 3"
SPP486-035-4	1 1/2" x 3 1/2"
SPP486-055-3	1 1/2" x 5 1/2"
SPP486-060-4	1 1/2" x 6"
SPP486-080-4	1 1/2" x 8"
SPP486-100-4	1 1/2" x 10"

No.	Size
SPP487-020-4	2" x 2"
SPP487-030-4	2" x 3"
SPP487-035-4	2" x 3 1/2"
SPP487-040-4	2" x 4"
SPP487-050-3	2" x 5"
SPP487-055-4	2" x 5 1/2"

No.	Size
SPP489-005-4	3" x 2 1/2"
SPP489-030-4	3" x 3"

No.	Size
SPP490-005-1	4" x 2 1/2"
SPP490-045-4	4" x 4 1/2"
SPP490-050-4	4" x 5"
SPP490-060-4	4" x 6"
SPP490-080-3	4" x 8"
SPP490-120-4	4" x 12"



**90° FPT ELBOW
BAR STOCK**

No.	FPT
SPP100-18	1/8"
SPP100-14	1/4"
SPP100-38	3/8"
SPP100-12	1/2"
SPP100-34	3/4"



**90° STREET
ELBOW
BAR STOCK**

No.	MPT x FPT
SPP116-18	1/8"
SPP116-14	1/4"
SPP116-38	3/8"
SPP116-12	1/2"
SPP116-34	3/4"



**90° MPT ELBOW
BAR STOCK**

No.	MPT
SPP130-18	1/8"
SPP130-14	1/4"
SPP130-38	3/8"



**LONG PATTERN
STREET ELBOW
BAR STOCK**

No.	FPT x MPT
SPP116L-18	1/8"



**LOCKNUT
BAR STOCK**

No.	FPT
SPP111-18	1/8"
SPP111-14	1/4"
SPP111-38	3/8"
SPP111-12	1/2"
SPP111-34	3/4"



**FPT UNION
FORGED**

No.	FPT
SPP104-18	1/8"
SPP104-14	1/4"
SPP104-38	3/8"
SPP104-34	3/4"



**90° FPT ELBOW
FORGED**

No.	FPT
SPP100F-18	1/8"
SPP100F-38	3/8"



**90° STREET ELBOW
FORGED**

No.	FPT x MPT
SPP116F-18	1/8"
SPP116F-14	1/4"
SPP116F-38	3/8"
SPP116F-12	1/2"
SPP116F-34	3/4"



**90° MPT ELBOW
FORGED**

No.	MPT
SPP130F-18	1/8"
SPP130F-14	1/4"
SPP130F-38	3/8"
SPP130F-12	1/2"



**45° STREET
ELBOW
BAR STOCK**

No.	FPT x MPT
SPP124-18	1/8"
SPP124-14	1/4"
SPP124-38	3/8"
SPP124-D	1/2"
SPP124-34	3/4"



**HEX NIPPLE
BAR STOCK**

No.	MPT
SPP122-18	1/8"
SPP122-14	1/4"
SPP122-38	3/8"
SPP122-12	1/2"
SPP122-34	3/4"
SPP122-100	1"



**FPT COUPLING
FORGED**

No.	FPT
SPP103-18	1/8"
SPP103-14	1/4"
SPP103-38	3/8"
SPP103-12	1/2"



**FPT REDUCING
ELBOW
FORGED**

No.	FPT
-	1/4" x 1/8"
SPP100R-3814	3/8" x 1/4"
SPP100R-1238	1/2" x 3/8"



**REDUCING STREET
ELBOW
FORGED**

No.	FPT	MPT
SPP128F-1814	1/8"	1/4"
SPP128F-1418	1/4"	1/8"
SPP128F-1438	1/4"	3/8"
SPP128F-3814	3/8"	1/4"
SPP128F-3812	3/8"	1/2"
SPP128F-1238	1/2"	3/8"



**MPT REDUCING
ELBOW
FORGED**

No.	MPT	MPT
SPP130F-1418	1/4"	1/8"
SPP130F-3814	3/8"	1/4"



**REDUCING
HEX NIPPLE
BAR STOCK**

No.	MPT	MPT
SPP122-1418	1/4"	1/8"
SPP122-3818	3/8"	1/8"
SPP122-3814	3/8"	1/4"
SPP122-1214	1/2"	1/4"
SPP122-1238	1/2"	3/8"
SPP122-3412	3/4"	1/2"



**FPT REDUCING
COUPLING
FORGED**

No.	FPT	FPT
SPP119-1418	1/4"	1/8"
SPP119-3818	3/8"	1/8"
SPP119-3814	3/8"	1/4"
SPP119-1218	1/2"	1/8"
SPP119-1214	1/2"	1/4"
SPP119-1238	1/2"	3/8"
SPP119-3438	3/4"	3/8"



**FPT TEE
BAR STOCK**

No.	FPT
SPP101-18	1/8"
SPP101-14	1/4"
SPP101-38	3/8"



**FPT TEE
FORGED**

No.	FPT
SPP101F-18	1/8"
SPP101F-14	1/4"
-	3/8"
-	1/2"
SPP101F-34	3/4"



**MPT TEE
FORGED**

No.	MPT
SPP132F-18	1/8"
SPP132F-38	3/8"



**COMBINATION TEE
BAR STOCK**

No.	FPT x FPT x MPT
SPP131-14	1/4"
SPP131-38	3/8"



**COMBINATION TEE
FORGED**

No.	FPT x FPT x MPT
SPP131F-18	1/18"
SPP131F-14	1/4"
SPP131F-38	3/8"
SPP131F-12	1/2"



**HEX BUSHING
BAR STOCK**

No.	MPT	FPT
SPP110-1418	1/4"	1/8"
SPP110-3814	3/8"	1/4"
SPP110-1214	1/2"	1/4"
SPP110-1238	1/2"	3/8"
-	3/4"	1/8"
SPP06110-1204	3/4"	1/4"
SPP110-3412	3/4"	1/2"
SPP110-10014	1"	1/4"
SPP110-10038	1"	3/8"
SPP110-10034	1"	3/4"



**STREET TEE
BAR STOCK**

No.	FPT x MPT x FPT
SPP127-18	1/8"
SPP127-14	1/4"
SPP127-38	3/8"



**STREET TEE
FORGED**

No.	FPT x MPT x FPT
SPP127F-18	1/8"
SPP127F-14	1/4"
SPP127F-38	3/8"



**FACE BUSHING
BAR STOCK**

No.	MPT	FPT
SPP110F-3814	3/8"	1/4"
SPP110F-1238	1/2"	3/8"
SPP110F-3412	3/4"	1/2"



**FPT CROSS
BAR STOCK**

No.	FPT
SPP102-18	1/8"
SPP102F-14	1/4"
SPP102-38	3/8"
SPP102-12	1/2"
SPP102-34	3/4"



**FPT CROSS
FORGED**

No.	FPT
-	1/4"
SPP102F-12	1/2"



**CAP
BAR STOCK**

No.	FPT
SPP108-18	1/8"



**ADAPTER
BAR STOCK**

No.	FPT	MPT
SPP120-18	1/8"	1/8"
SPP120-14	1/4"	1/4"
SPP120-38	3/8"	3/8"
SPP120-12B	1/2"	1/2"
SPP120-34	3/4"	3/4"



**REDUCING
ADAPTER
BAR STOCK**

No.	FPT	MPT
SPP120R-18116	1/8"	1/16"
SPP120R-1418	1/4"	1/8"
SPP120R-3818	3/8"	1/8"
SPP120R-3814	3/8"	1/4"
SPP120R-1214	1/2"	1/4"
SPP120R-1238	1/2"	3/8"
SPP120R-3412	3/4"	1/2"



**HEX HEAD
PLUG
BAR STOCK**

No.	MPT
SPP73658	1/8"
SPP121-14	1/4"
SPP121-38	3/8"
SPP121-12B	1/2"
SPP121-34	3/4"
SPP121-100	1"



**SQUARE
HEAD PLUG
FORGED**

No.	MPT
SPP109-18	1/8"
SPP109-14	1/4"
SPP109-38	3/8"
SPP109-12	1/2"



**SLOTTED
PIPE PLUG
BAR STOCK**

No.	MPT
SPP117-18	1/8"
SPP117-14	1/4"
SPP117-38	3/8"



**FEMALE FLARE
CONNECTOR**

No.	Tube Size
SPPB32-14	1/4"
SPPB32-38	3/8"
SPPB32-12	1/2"



ADAPTER

No.	Tube	MPT
SPPB33-1418	1/4"	1/8"
SPPB33-14	1/4"	1/4"
SPPB33-3814	3/8"	1/4"
SPPB33-12	1/2"	1/2"



**FPT REDUCING
TEE
FORGED**

No.	1	2	3
SPP101R-1814	1/8"	1/8"	1/4"
SPP101R-1418	1/4"	1/4"	1/8"

Countersunk plugs available, add "AL". Ex: 109AL-18

POLY / NYLON / METAL FITTINGS



SWIVEL CONNECTOR

No.	Tube Size
SPPB34-14	1/4"
SPPB34-516	5/16"
SPPB34-38	3/8"
SPPB34-12	1/2"



REDUCING SWIVEL CONNECTOR

No.	Tube x Tube
SPPB34-3814	3/8" x 1/4"
SPPB34-1238	1/2" x 3/8"



SHORT FORGED FLARE NUT

No.	Hex	Tube
SPPB40-316	1/2"	3/16"
SPPB40-516	11/16"	5/16"
SPPB40-38	13/16"	3/8"
SPPB40-12	15/16"	1/2"
SPPB40-58	1 1/16"	5/8"
SPPB40-78	1 5/8"	7/8"



SHORT FORGED REDUCING NUT

No.	Threads x OD Tube
SPPB40-5838	5/8" x 3/8"
SPPB40-5812	5/8" x 1/2"



UNION

No.	Size
SPPB42-316	3/16"
SPPB42-14	1/4"
SPPB42-516	5/16"
SPPB42-38	3/8"
SPPB42-12	1/2"
SPPB42-58	5/8"
SPPB42-78	7/8"



REDUCING UNION

No.	Tube x Tube
SPPB42-14316	1/4" x 3/16"
SPPB42-51614	5/16" x 1/4"
SPPB42-3814	3/8" x 1/4"
SPPB42-1238	1/2" x 3/8"



COPPER FLARE BONNET

No.	Tube Size
SPPB57-316	3/16"
SPPB57-14	1/4"
SPPB57-516	5/16"
SPPB57-38	3/8"
SPPB57-12	1/2"
SPPB57-58	5/8"
SPPB57-34	3/4"



FEMALE COUPLING

No.	Tube	FPT
SPPB46-31618	3/16"	1/8"
SPPB46-1418	1/4"	1/8"
SPPB46-14	1/4"	1/4"
SPPB46-1438	1/4"	3/8"
SPPB46-1412	1/4"	1/2"
SPPB46-51618	5/16"	1/8"
SPPB46-38	3/8"	3/8"
SPPB46-3812	3/8"	1/2"
SPPB46-3834	3/8"	3/4"
SPPB46-1238	1/2"	3/8"
SPPB46-12	1/2"	1/2"
SPPB46-5834	5/8"	3/4"
SPPB46-7834	7/8"	3/4"



COPPER FLARE GASKET

No.	Size
SPPB59-516	5/16"
SPPB59-38	3/8"
SPPB59-12	1/2"
SPPB59-58	5/8"



HALF-UNION

No.	Tube	MPT
SPPB48-18	1/8"	1/8"
SPPB48-31618	3/16"	1/8"
SPPB48-31614	3/16"	1/4"
SPPB48-1418	1/4"	1/8"
SPPB48-14	1/4"	1/4"
SPPB48-1438	1/4"	3/8"
SPPB48-1412	1/4"	1/2"
SPPB48-51618	5/16"	1/8"
SPPB48-51614	5/16"	1/4"
SPPB48-51638	5/16"	3/8"
SPPB48-51612	5/16"	1/2"
SPPB48-3818	3/8"	1/8"
SPPB48-3814	3/8"	1/4"
SPPB48-38	3/8"	3/8"
SPPB48-3812	3/8"	1/2"
SPPB48-3834	3/8"	3/4"
SPPB48-1214	1/2"	1/4"
SPPB48-1238	1/2"	3/8"
SPPB48-12	1/2"	1/2"
SPPB48-1234	1/2"	3/4"
SPPB48-5838	5/8"	3/8"
SPPB48-5812	5/8"	1/2"
SPPB48-5834	5/8"	3/4"
SPPB48-3412	3/4"	1/2"
SPPB48-7812	7/8"	1/2"
SPPB48-7834	7/8"	3/4"
SPPB48-10012	1"	1/2"



CONNECTOR

No.	Tube	Solder OD
SPPB48S-14	1/4"	1/4"
SPPB48S-38	3/8"	3/8"
SPPB48S-12	1/2"	1/2"



CAP

No.	Tube Size
SPPB56-14	1/4"
SPPB56-38	3/8"
SPPB56-12	1/2"
SPPB56-34	3/4"



FLARE TEE

No.	Tube
SPPB44-18	1/8"
SPPB44-316	3/16"
SPPB44-14	1/4"
SPPB44-516	5/16"
SPPB44-38	3/8"
SPPB44-12	1/2"
SPPB44-58	5/8"



REDUCING TEE

No.	1	2	3
SPPB44-51651614	5/16"	5/16"	1/4"
SPPB44-383814	3/8"	3/8"	1/4"
SPPB44-383812	3/8"	3/8"	1/2"
SPPB44-123838	1/2"	3/8"	3/8"
SPPB44-123812	1/2"	3/8"	1/2"
SPPB44-121238	1/2"	1/2"	3/8"
SPPB44-581212	5/8"	1/2"	1/2"
SPPB44-585838	5/8"	5/8"	3/8"
SPPB44-585812	5/8"	5/8"	1/2"



MPT TEE

No.	Tube x Tube x MPT
SPPB45-121238	1/2" x 1/2" x 3/8"
SPPB45-12	1/2" x 1/2" x 1/2"
SPPB45-585812	5/8" x 5/8" x 1/2"



45° ELBOW

No.	Tube	MPT
SPPB54-1418	1/4"	1/8"
SPPB54-3814	3/8"	1/4"
SPPB54-1238	1/2"	3/8"



ELBOW

No.	Tube	FPT
SPPB50-31618	3/16"	1/8"
SPPB50-1418	1/4"	1/8"
SPPB50-14	1/4"	1/4"
SPPB50-3814	3/8"	1/4"
SPPB50-38	3/8"	3/8"
SPPB50-3812	3/8"	1/2"
SPPB50-12	1/2"	1/2"
SPPB50-1234	1/2"	3/4"
SPPB50-7834	7/8"	3/4"



ELBOW

No.	Tube	Tube
SPPB55-18	1/8"	1/8"
SPPB55-316	3/16"	3/16"
SPPB55-14	1/4"	1/4"
SPPB55-516	5/16"	5/16"
SPPB55-38	3/8"	3/8"
SPPB55-12	1/2"	1/2"
SPPB55-58	5/8"	5/8"
SPPB55-34	3/4"	3/4"
SPPB55-78	7/8"	7/8"



ELBOW

No.	Tube	MPT
SPPB49-18	1/8"	1/8"
SPPB49-31618	3/16"	1/8"
SPPB49-31614	3/16"	1/4"
SPPB49-1418	1/4"	1/8"
SPPB49-14	1/4"	1/4"
SPPB49-1438	1/4"	3/8"
SPPB49-1412	1/4"	1/2"
SPPB49-51618	5/16"	1/8"
SPPB49-51614	5/16"	1/4"
SPPB49-51638	5/16"	3/8"
SPPB49-3818	3/8"	1/8"
SPPB49-3814	3/8"	1/4"
SPPB49-38	3/8"	3/8"
SPPB49-3812	3/8"	1/2"
SPPB49-3834	3/8"	3/4"
SPPB49-1238	1/2"	3/8"
SPPB49-12	1/2"	1/2"
SPPB49-1234	1/2"	3/4"
SPPB49-5838	5/8"	3/8"
SPPB49-5812	5/8"	1/2"
SPPB49-5834	5/8"	3/4"
SPPB49-3438	3/4"	3/8"
SPPB49-34	3/4"	3/4"
SPPB49-78100	7/8"	1"

BRASS COMP. FITTINGS FOR PLASTIC

PSI Ratings : 1/4" - 300 PSI

- 3/8" & 1/2" - 200 PSI
- 5/8" - 150 PSI



FPT TEE

No.	1	2	3(FPT)
SPPB78P-5818	5/8"	5/8"	1/8"



MPT TEE

No.	1	2(MPT)	3
SPPB71P-123812	1/2"	3/8"	1/2"
SPPB71P-12	1/2"	1/2"	1/2"



CONNECTOR

No.	Tube	MPT
SPPB68P-1418	1/4"	1/8"
SPPB68P-14	1/4"	1/4"
SPPB68P-1438	1/4"	3/8"
SPPB68P-1412	1/4"	1/2"
SPPB68P-51614	5/16"	1/4"
SPPB68P-3818	3/8"	1/8"
SPPB68P-3814	3/8"	1/4"
SPPB68P-38	3/8"	3/8"
SPPB68P-3812	3/8"	1/2"
SPPB68P-1214	1/2"	1/4"
SPPB68P-1238	1/2"	3/8"
SPPB68P-12	1/2"	1/2"
SPPB68P-1234	1/2"	3/4"
SPPB68P-5838	5/8"	3/8"
SPPB68P-5812	5/8"	1/2"
SPPB68P-5834	5/8"	3/4"



MPT TEE

No.	1	2	3(MPT)
SPPB72P-1418	1/4"	1/4"	1/8"
SPPB72P-14	1/4"	1/4"	1/4"
SPPB72P-51651618	5/16"	5/16"	1/8"
SPPB72P-383818	3/8"	3/8"	1/8"
SPPB72P-383814	3/8"	3/8"	1/4"
SPPB72P-38	3/8"	3/8"	3/8"
SPPB72P-12	1/2"	1/2"	1/2"



TEE

No.	1	2	3
SPPB64P-14	1/4"	1/4"	1/4"
SPPB64P-3814	3/8"	3/8"	1/4"
SPPB64P-38	3/8"	3/8"	3/8"
SPPB64P-12	1/2"	1/2"	1/2"



MPT ELBOW

No.	Tube	MPT
SPPB69P-1418	1/4"	1/8"
SPPB69P-14	1/4"	1/4"
SPPB69P-51614	5/16"	1/4"
SPPB69P-3818	3/8"	1/8"
SPPB69P-3814	3/8"	1/4"
SPPB69P-38	3/8"	3/8"
SPPB69P-3812	3/8"	1/2"
SPPB69P-1214	1/2"	1/4"
SPPB69P-1238	1/2"	3/8"
SPPB69P-5812	5/8"	1/2"



FPT COUPLING

No.	Tube	FPT
SPPB66P-1418	1/4"	1/8"
SPPB66P-14	1/4"	1/4"
SPPB66P-51614	5/16"	1/4"
SPPB66P-3814	3/8"	1/4"
SPPB66P-3812	3/8"	1/2"
SPPB66P-1214	1/2"	1/4"
SPPB66P-12	1/2"	1/2"
SPPB66P-5838	5/8"	3/8"
SPPB66P-5812	5/8"	1/2"



FPT ELBOW

No.	Tube	FPT
SPPB70P-1418	1/4"	1/8"
SPPB70P-1412	1/4"	1/2"
SPPB70P-51618	5/16"	1/8"
SPPB70P-3818	3/8"	1/8"
SPPB70P-1234	1/2"	3/4"



45° MPT ELBOW

No.	Tube	MPT
SPPB6945P-1418	1/4"	1/8"
SPPB6945P-14	1/4"	1/4"
SPPB6945P-38	3/8"	3/8"



UNION

No.	Tube
SPPB62P-14	1/4" x 1/4"
SPPB62P-516	5/16" x 5/16"
SPPB62P-38	3/8" x 3/8"
SPPB62P-12	1/2" x 1/2"
SPPB62P-5838	5/8" x 3/8"
SPPB62P-58	5/8" x 5/8"



SLEEVE

For Metal Tubing

No.	Tube
SPPB60-18	1/8"
SPPB60-532	5/32"
SPPB60-316	3/16"
SPPB60-14	1/4"
SPPB60-516	5/16"
SPPB60-38	3/8"
SPPB60-716	7/16"
SPPB60-58	5/8"
SPPB60-34	3/4"
SPPB60-78	7/8"



DELTRIN SLEEVE

Used to convert to plastic tubing

No.	Tube Size
SPPB60P-14	1/4"
SPPB60P-516	5/16"
SPPB60P-38	3/8"
SPPB60P-12	1/2"
SPPB60P-58	5/8"



BRASS INSERT

Used to resist collapsing of plastic tubing

No.	Hose OD	Hose ID
SPPB61P-18	1/8"	.08
SPPB61P-316	3/16"	.095
SPPB61P-14	1/4"	.17
SPPB61P-516	5/16"	.187
SPPB61P-38	3/8"	.25
SPPB61P-12	1/2"	.375
SPPB61P-58	5/8"	.50
SPPB61P-34	3/4"	-



NUT

No.	Tube
SPPB61-18	1/8"
SPPB61-532	5/32"
SPPB61-316	3/16"
SPPB61-14	1/4"
SPPB61-516	5/16"
SPPB61-38	3/8"
SPPB61-716	7/16"
SPPB61-12	1/2"
SPPB61-58	5/8"
SPPB61-34	3/4"



CAP

No.	Tube
SPPB61CX-38	3/8"
SPPB61CX-12	1/2"
SPPB61CX-58	5/8"



COMPRESSION PLUG

No.	Tube
SPPBCP-14	1/4"
SPPBCP-38	3/8"

BRASS COMPRESSION FITTINGS FOR METAL TUBING



COMBINATION TEE

No.	1	2(FPT)	3(MPT)
SPPB76-1818316	1/8"	1/8"	3/16"
SPPB76-181814	1/8"	1/8"	1/4"



MPT TEE

No.	1	2	3(MPT)
SPPB72-18	1/8"	1/8"	1/8"
SPPB72-31631618	3/16"	3/16"	1/8"
SPPB72-51651614	5/16"	5/16"	1/4"
SPPB72-383814	3/8"	3/8"	1/4"
SPPB72-38	3/8"	3/8"	3/8"
SPPB72-12	1/2"	1/2"	1/2"
SPPB72-585812	5/8"	5/8"	1/2"
SPPB72-343412	3/4"	3/4"	1/2"
SPPB72-34	3/4"	3/4"	3/4"



TEE

Compression Three Ends

No.	1	2	3
SPPB64-121214	1/2"	1/2"	1/4"
SPPB64-18	1/8"	1/8"	1/8"
SPPB64-316	3/16"	3/16"	3/16"
SPPB64-14	1/4"	1/4"	1/4"
SPPB64-516	5/16"	5/16"	5/16"
SPPB64-38	3/8"	3/8"	3/8"
SPPB64-12	1/2"	1/2"	1/2"
SPPB64-58	5/8"	5/8"	5/8"
SPPB64-34	3/4"	3/4"	3/4"



BULKHEAD UNION with Locknut

No.	Tube
SPPB62BH-14	1/4"
SPPB62BH-516	5/16"
SPPB62BH-38	3/8"
SPPB62BH-12	1/2"



COMBINATION TEE

No.	1	2(FPT)	3(MPT)
SPPB75-1418	1/4"	1/8"	1/8"


MPT ELBOW

No.	Tube	MPT
SPPB69-18	1/8"	1/8"
SPPB69-31618	3/16"	1/8"
SPPB69-31614	3/16"	1/4"
SPPB69-1418	1/4"	1/8"
SPPB69-14	1/4"	1/4"
SPPB69-1412	1/4"	1/2"
SPPB69-51618	5/16"	1/8"
SPPB69-51614	5/16"	1/4"
SPPB69-51612	5/16"	1/2"
SPPB69-3818	3/8"	1/8"
SPPB69-3814	3/8"	1/4"
SPPB69-38	3/8"	3/8"
SPPB69-3812	3/8"	1/2"
SPPB69-1214	1/2"	1/4"
SPPB69-1238	1/2"	3/8"
SPPB69-12	1/2"	1/2"
SPPB69-5812	5/8"	1/2"


FPT ELBOW

No.	Tube	FPT
SPPB70-51614	5/16"	1/4"
SPPB70-3818	3/8"	1/8"
SPPB70-3814	3/8"	1/4"
SPPB70-1214	1/2"	1/4"
SPPB70-1238	1/2"	3/8"
SPPB70-12	1/2"	1/2"


ELBOW

No.	Tube
SPPB65-14	1/4"
SPPB65-316	3/16"
SPPB65-516	5/16"
SPPB65-716	7/16"
SPPB65-12	1/2"
SPPB65-58	5/8"


**TANK UNION
(Drilled Through)**

No.	Tube
SPPB62T-38	3/8"


**MPT TANK
CONNECTOR
(Drilled Through)**

No.	Tube	MPT
SPPBT68-31618	3/16"	1/8"
SPPBT68-31614	3/16"	1/4"
SPPBT68-1418	1/4"	1/8"
SPPBT68-51614	5/16"	1/4"
SPPBT68-3814	3/8"	1/4"
SPPBT68-12	1/2"	1/2"
SPPBT68-34	3/4"	3/4"


UNION

No.	Tube	Tube
SPPB62-18	1/8"	1/8"
SPPB62-532	5/32"	5/32"
SPPB62-316	3/16"	3/16"
SPPB62-1418	1/4"	1/8"
SPPB62-14	1/4"	1/4"
SPPB62-516	5/16"	5/16"
SPPB62-3814	3/8"	1/4"
SPPB62-38	3/8"	3/8"
SPPB62-1238	1/2"	3/8"
SPPB62-12	1/2"	1/2"
SPPB62-5838	5/8"	3/8"
SPPB62-58	5/8"	5/8"
SPPB62-34	3/4"	3/4"


45° MPT ELBOW

No.	Tube	MPT
SPPB6945-31618	3/16"	1/8"
SPPB6945-14	1/4"	1/4"


**ELBOW
Compression x
Sweat Adapter**

No.	Size
SPPB69S	3/8" x 5/8" 1/2" Nom. Sweat


**ADAPTER
Compression x
Sweat Adapter**

No.	Size
SPPB66S	3/8" x 5/8" 1/2" Nom. Sweat


**FPT
COUPLING**

No.	Tube	FPT
SPPB66-18	1/8"	1/8"
SPPB66-53218	5/32"	1/8"
SPPB66-1418	1/4"	1/8"
SPPB66-14	1/4"	1/4"
SPPB66-51618	5/16"	1/8"
SPPB66-3818	3/8"	1/8"
SPPB66-3814	3/8"	1/4"
SPPB66-38	3/8"	3/8"
SPPB66-3812	3/8"	1/2"
SPPB66-1238	1/2"	3/8"
SPPB66-12	1/2"	1/2"
SPPB66-5812	5/8"	1/2"
SPPB66-7834	7/8"	3/4"


MPT CONNECTOR

No.	Tube	MPT
SPPB68-18	1/8"	1/8"
SPPB68-53218	5/32"	1/8"
SPPB68-31618	3/16"	1/8"
SPPB68-31614	3/16"	1/4"
SPPB68-1418	1/4"	1/8"
SPPB68-14	1/4"	1/4"
SPPB68-1412	1/4"	1/2"
SPPB68-51618	5/16"	1/8"
SPPB68-51614	5/16"	1/4"
SPPB68-51638	5/16"	3/8"
SPPB68-51612	5/16"	1/2"
SPPB68-3818	3/8"	1/8"
SPPB68-3814	3/8"	1/4"
SPPB68-38	3/8"	3/8"
SPPB68-3812	3/8"	1/2"
SPPB68-3834	3/8"	3/4"
SPPB68-71638	7/16"	3/8"
SPPB68-1238	1/2"	3/8"
SPPB68-12	1/2"	1/2"
SPPB68-5838	5/8"	3/8"
SPPB68-5812	5/8"	1/2"
SPPB68-3412	3/4"	1/2"
SPPB68-34	3/4"	3/4"
SPPB68-7834	7/8"	3/4"

POLY / NYLON / METAL FITTINGS

The PI Range of Inch-Size Fittings

The PI Range of inch-size push-in fittings is offered for tube sizes 5/32" O.D. to 5/8" O.D. The fittings are manufactured in gray acetal copolymer with food grade nitrile o-rings, making them especially suitable for applications involving foodstuff and potable liquids. They are equally suitable for air and inert gasses and can therefore be used on CO₂ lines, pneumatic applications and vacuum.

Temp.	Pressure	
	5/32" - 5/16"	3/8" - 1/2"
Air		
-4°F (20°C)	230 PSI	150 PSI
Potable Liquids & Air		
+33°F (1°C)	230 PSI	150 PSI
+73°F (23°C)	230 PSI	150 PSI
+158°F (70°C)	150 PSI	150 PSI



MALE CONNECTOR

No.	Tube OD x MPT
SPPJG10-53218	5/32" x 1/8"
SPPJG10-53214	5/32" x 1/4"
SPPJG10-31618	3/16" x 1/8"
SPPJG10-1418	1/4" x 1/8"
SPPJG10-14	1/4" x 1/4"
SPPJG10-1438	1/4" x 3/8"
SPPJG10-51618	5/16" x 1/8"
SPPJG10-51614	5/16" x 1/4"
SPPJG10-51638	5/16" x 3/8"
SPPJG10-3818	3/8" x 1/8"
SPPJG10-3814	3/8" x 1/4"
SPPJG10-38	3/8" x 3/8"
SPPJG10-3812	3/8" x 1/2"
SPPJG10-1238	1/2" x 3/8"
SPPJG10-12	1/2" x 1/2"
SPPJG10-5834	5/8" x 3/4"



UNION ELBOW

No.	Tube OD
SPPJG15-532	5/32"
SPPJG15-316	3/16"
SPPJG15-14	1/4"
SPPJG15-516	5/16"
SPPJG15-38	3/8"
SPPJG15-12	1/2"



UNION TEE

No.	Tube OD
SPPJG16-532	5/32"
SPPJG16-316	3/16"
SPPJG16-14	1/4"
SPPJG16-516	5/16"
SPPJG16-38	3/8"
SPPJG16-12	1/2"



REDUCING ELBOW

No.	Tube OD x Tube OD
SPPJG15-516532	5/16" x 5/32"
SPPJG15-516316	5/16" x 3/16"
SPPJG15-51614	5/16" x 1/4"
SPPJG15-38316	3/8" x 3/16"
SPPJG15-3814	3/8" x 1/4"
SPPJG15-38516	3/8" x 5/16"
SPPJG15-12516	1/2" x 5/16"
SPPJG15-1238	1/2" x 3/8"



REDUCING TEE

No.	Tube OD x Tube OD Branch
SPPJG30-3814	3/8" x 1/4"
SPPJG30-1238	1/2" x 3/8"



FEMALE CONNECTOR

No.	Tube OD x FPT
SPPJG44-14	1/4" x 1/4"
SPPJG44-3814	3/8" x 1/4"



SWIVEL ELBOW

No.	Stem x MPT
SPPJG24-53218	5/32" x 1/8"
SPPJG24-53214	5/32" x 1/4"
SPPJG24-31618	3/16" x 1/8"
SPPJG24-1418	1/4" x 1/8"
SPPJG24-14	1/4" x 1/4"
SPPJG24-51618	5/16" x 1/8"
SPPJG24-51614	5/16" x 1/4"
SPPJG24-51638	5/16" x 3/8"
SPPJG24-3818	3/8" x 1/8"
SPPJG24-3814	3/8" x 1/4"
SPPJG24-38	3/8" x 3/8"
SPPJG24-1214	1/2" x 1/4"
SPPJG24-1238	1/2" x 3/8"
SPPJG24-12	1/2" x 1/2"



SWIVEL BRANCH TEE

No.	Tube OD x MPT
SPPJG17-53218	5/32" x 1/8"
SPPJG17-53214	5/32" x 1/4"
SPPJG17-31618	3/16" x 1/8"
SPPJG17-1418	1/4" x 1/8"
SPPJG17-14	1/4" x 1/4"
SPPJG17-51618	5/16" x 1/8"
SPPJG17-51614	5/16" x 1/4"
SPPJG17-51638	5/16" x 3/8"
SPPJG17-3814	3/8" x 1/4"
SPPJG17-38	3/8" x 3/8"
SPPJG17-1238	1/2" x 3/8"
SPPJG17-12	1/2" x 1/2"



UNION CONNECTOR

No.	Tube OD
SPPJG14-532	5/32"
SPPJG14-316	3/16"
SPPJG14-14	1/4"
SPPJG14-516	5/16"
SPPJG14-38	3/8"
SPPJG14-12	1/2"



REDUCING UNION

No.	Tube OD x Tube OD
SPPJG14-14316	1/4" x 3/16"
SPPJG14-516532	5/16" x 5/32"
SPPJG14-516316	5/16" x 3/16"
SPPJG14-51614	5/16" x 1/4"
SPPJG14-38316	3/8" x 3/16"
SPPJG14-3814	3/8" x 1/4"
SPPJG14-38516	3/8" x 5/16"
SPPJG14-12516	1/2" x 5/16"
SPPJG14-1238	1/2" x 3/8"



FIXED ELBOW

No.	Tube OD x MPT
SPPJG29-1418	1/4" x 1/8"
SPPJG29-14	1/4" x 1/4"
SPPJG29-1438	1/4" x 3/8"
SPPJG29-51614	5/16" x 1/4"
SPPJG29-51638	5/16" x 3/8"
SPPJG29-3814	3/8" x 1/4"
SPPJG29-38	3/8" x 3/8"
SPPJG29-5812	5/8" x 1/2"



SWIVEL TEE MALE RUN

No.	Tube OD x MPT
SPPJG18-53218	5/32" x 1/8"
SPPJG18-53214	5/32" x 1/4"
SPPJG18-31618	3/16" x 1/8"
SPPJG18-1418	1/4" x 1/8"
SPPJG18-14	1/4" x 1/4"
SPPJG18-51618	5/16" x 1/8"
SPPJG18-51614	5/16" x 1/4"
SPPJG18-51638	5/16" x 3/8"
SPPJG18-38	3/8" x 3/8"
SPPJG18-1238	1/2" x 3/8"
SPPJG18-12	1/2" x 1/2"



**PLUG IN
ELBOW**

No.	Stem OD x Tube OD
SPPJG13-532	5/32" x 5/32"
SPPJG13-316	3/16" x 3/16"
SPPJG13-14	1/4" x 1/4"
SPPJG13-516	5/16" x 5/16"
SPPJG13-38316	3/8" x 3/16"
SPPJG13-3814	3/8" x 1/4"
SPPJG13-38516	3/8" x 5/16"
SPPJG13-38	3/8" x 3/8"
SPPJG13-12	1/2" x 1/2"



**TWO-WAY
DIVIDER**

No.	Tube OD
SPPJG20-14	1/4"
SPPJG20-516	5/16"
SPPJG20-38	3/8"
SPPJG20-12	1/2"



**UNEQUAL
TWO-WAY
DIVIDER**

No.	Tube OD	
	Inlet	Outlet
SPPJG20-38516	3/8"	5/16"



U-BEND
FOR USE IN
CONFINED SPACES

No.	Tube OD
SPPJG21-38	3/8"
SPPJG21-12	1/2"



**OFF-SET
CONNECTOR**

No.	Tube OD
SPPJG25-12516	1/2" x 5/16"



**THREE WAY
DIVIDER**

No.	Tube OD	
	Inlet	Outlet
SPPJG26-38	3/8"	3/8"
SPPJG26-1238	1/2"	3/8"
SPPJG26-12	1/2"	1/2"



**BULKHEAD
UNION**

No.	Tube OD x Mounting Hole
SPPJG62-532	5/32" x 0.67"
SPPJG62-316	3/16" x 0.67"
SPPJG62-14	1/4" x 0.67"
SPPJG62-516	5/16" x 0.83"
SPPJG62-38	3/8" x 0.83"
SPPJG62-12	1/2" x 1.06"



**REDUCING
BULKHEAD
UNION**

No.	Tube OD x Mounting Hole
SPPJG68-1214	1/2 - 1/4 x 0.83"
SPPJG68-3814	3/8 - 1/4 x 0.83"



CROSS

No.	Tube OD
SPPJG28-38	3/8"



REDUCER

No.	Stem x Tube
SPPJG36-316532	3/16" x 5/32"
SPPJG36-516316	5/16" x 3/16"
SPPJG36-51614	5/16" x 1/4"
SPPJG36-38316	3/8" x 3/16"
SPPJG36-3814	3/8" x 1/4"
SPPJG36-38516	3/8" x 5/16"
SPPJG36-12516	1/2" x 5/16"
SPPJG36-1238	1/2" x 3/8"



ENLARGER

No.	Stem x Tube OD
SPPJG36-51638	5/16" x 3/8"



**STEM
ADAPTER**

No.	Stem x MPT
SPPJG34-53218	5/32" x 1/8"
SPPJG34-53214	5/32" x 1/4"
SPPJG34-31618	3/16" x 1/8"
SPPJG34-1418	1/4" x 1/8"
SPPJG34-14	1/4" x 1/4"
SPPJG34-1438	1/4" x 3/8"
SPPJG34-51618	5/16" x 1/8"
SPPJG34-51614	5/16" x 1/4"
SPPJG34-51638	5/16" x 3/8"
SPPJG34-3814	3/8" x 1/4"
SPPJG34-38	3/8" x 3/8"
SPPJG34-1238	1/2" x 3/8"
SPPJG34-12	1/2" x 1/2"



**TUBE TO
HOSE BARB
LONG VERSION**

No.	Stem OD x Hose ID
SPPJG19-51638L	5/16" x 3/8"
SPPJG19-38L	3/8" x 3/8"



**TUBE TO
HOSE ELBOW**

No.	Stem OD x Hose ID
SPPJG22-14	1/4" x 1/4"
SPPJG22-14516	1/4" x 5/16"
SPPJG22-51614	5/16" x 1/4"
SPPJG22-516	5/16" x 5/16"
SPPJG22-3814	3/8" x 1/4"
SPPJG22-38516	3/8" x 5/16"



**TUBE TO
HOSE BARB**

No.	Stem OD x Hose ID
SPPJG19-14316	1/4" x 3/16"
SPPJG19-14	1/4" x 1/4"
SPPJG19-14516	1/4" x 5/16"
SPPJG19-516316	5/16" x 3/16"
SPPJG19-51614	5/16" x 1/4"
SPPJG19-516	5/16" x 5/16"
SPPJG19-51638	5/16" x 3/8"
SPPJG19-3814	3/8" x 1/4"
SPPJG19-38516	3/8" x 5/16"
SPPJG19-38	3/8" x 3/8"
SPPJG19-3812	3/8" x 1/2"
SPPJG19-1238	1/2" x 3/8"
SPPJG19-12	1/2" x 1/2"



PLUG

No.	Tube OD
SPPJG31-532	5/32"
SPPJG31-316	3/16"
SPPJG31-14	1/4"
SPPJG31-516	5/16"
SPPJG31-38	3/8"
SPPJG31-12	1/2"



**END
CAP**

No.	Tube OD
SPPJG32-14	1/4"
SPPJG32-38	3/8"



ACETAL VALVE

No.	Tube x Tube
SPPJG49-38	3/8" x 3/8"
SPPJG49-12	1/2" x 1/2"



ACETAL VALVE SHORT HANDLE

No.	Tube OD
SPPJG50-38	3/8"



FAUCET CONNECTOR

No.	Tube OD x Compression
SPPJG11-14716	1/4" x 1/4"
SPPJG11-516716	5/16" x 1/4"
SPPJG11-38716	3/8" x 1/4"



FEMALE FLARE CONNECTOR

No.	Tube OD x Thread FFL
SPPJG43-51614	5/16" x 1/4"
SPPJG43-3814	3/8" x 1/4"
SPPJG43-38	3/8" x 3/8"
1/4 (FFL) corresponds to a 7/16-20 UNF	
3/8 (FFL) corresponds to a 5/8-18 UNF	



MALE FLARE CONNECTOR

No.	Tube OD x MFL
SPPJG46-14	1/4" x 1/4"
SPPJG46-3814	3/8" x 1/4"
SPPJG46-38516	3/8" x 5/16"
SPPJG46-38	3/8" x 3/8"
SPPJG46-3812	3/8" x 1/2"
SPPJG46-12	1/2" x 1/2"
SPPJG46-5161216	5/16" x 1/2 - 16
SPPJG46-381216	3/8" x 1/2 - 16
1/4" (MFL) corresponds to a 7/16-20 UNF	
5/16" (MFL) corresponds to a 1/2-20 UNF	
3/8" (MFL) corresponds to a 5/8-18 UNF	
1/2" (MFL) corresponds to a 3/4-16 UNF	



DISPENSING VALVE STEM

No.	Stem OD
SPPJG23-38	3/8"



DISPENSING VALVE

No.	Tube OD x Stem
SPPJG27-38	3/8" x 3/8"



STEM TO STEM ADAPTER

No.	Stem OD	Stem OD
SPPJGMI19-153/8	15MM	3/8"



TUBE TO HOSE STEM

No.	Stem OD	Hose OD
SPPJGMI19-1512	15MM	1/2"



STEM TO TUBE ADAPTER

No.	Stem OD	Tube OD
SPPJGMI36-1538	15MM	3/8"
SPPJGMI36-1215	1/2"	15MM
SPPJGMI36-1218	1/2"	18MM



BARB CONNECTOR

No.	Hose OD	Hose ID
SPPJGMI44-1512	15MM	1/2"



CHECK VALVES

Super Speedfit single check valves allow flow in one direction. For Liquids Only

No.	Tube OD
SPPJG65-14	1/4"
SPPJG65-516	5/16"
SPPJG65-38	3/8"



FEMALE CONNECTOR UNS THREAD

No.	Tube OD x Thread UN
SPPJG43-5161216	5/16" x 1/2 - 16
SPPJG43-381216	3/8" x 1/2 - 16
SPPJG43-121216	1/2" x 1/2 - 16



TEE ADAPTER

No.	Tube OD	Tube OD
SPPJGMI16-1538	15MM	3/8"



STRAIGHT CONNECTOR

No.	Tube OD
SPPJGM-462	15mm x 1/2"

The PP Range of Polypropylene Fittings

The PP Range of inch-size push-in fittings is offered for tube sizes 1/4" O.D. and 3/8" O.D. The fittings are manufactured in white polypropylene with food grade EPDM o-rings. They have been developed to satisfy the compatibility needs for a wide range of applications. Can not be used with compressed air applications, or with inert gases.

Working Pressures and Temperatures

Water: Max. 150 psi at 70° (Max. 10 Bar at 20°C)
 Max. 60 psi at 140° (Max. 4 Bar at 60°C)
 Min. 33°F / 1°C



MALE CONNECTOR

No.	Tube OD x MPT
SPPJG10-1418P	1/4" x 1/8"
SPPJG10-14P	1/4" x 1/4"
SPPJG10-1438P	1/4" x 3/8"
SPPJG10-3814P	3/8" x 1/4"
SPPJG10-38P	3/8" x 3/8"
SPPJG10-3812P	3/8" x 1/2"
SPPJG10-1238P	1/2" x 3/8"
SPPJG10-12P	1/2" x 1/2"



BRASS FEMALE CONNECTOR

No.	Tube OD x FPT
SPPJG44-1418P	1/4" x 1/8"
SPPJG44-14P	1/4" x 1/4"
SPPJG44-3814P	3/8" x 1/4"
SPPJG44-38P	3/8" x 3/8"



UNION CONNECTOR

No.	Tube OD
SPPJG14-14P	1/4"
SPPJG14-516P	5/16"
SPPJG14-38P	3/8"
SPPJG14-12P	1/2"



REDUCING UNION

No.	Tube OD
SPPJG68-3814P	3/8" x 1/4"
SPPJG68-1238P	1/2" x 3/8"



UNION ELBOW

No.	Tube OD
SPPJG15-14P	1/4"
SPPJG15-516P	5/16"
SPPJG15-38P	3/8"
SPPJG15-12P	1/2"



REDUCING ELBOW

No.	Stem OD
SPPJG15-51614P	5/16" x 1/4"
SPPJG15-3814P	3/8" x 1/4"
SPPJG15-1238P	1/2" x 3/8"



SWIVEL ELBOW

No.	Tube OD x MPT
SPPJG24-1418P	1/4" x 1/8"
SPPJG24-14P	1/4" x 1/4"
SPPJG24-3814P	3/8" x 1/4"
SPPJG24-38P	3/8" x 3/8"



ELBOW

No.	Tube OD x MPT
SPPJG12-1418P	1/4" x 1/8"
SPPJG12-14P	1/4" x 1/4"
SPPJG12-1438P	1/4" x 3/8"
SPPJG12-3814P	3/8" x 1/4"
SPPJG12-38P	3/8" x 3/8"
SPPJG12-1238P	1/2" x 3/8"



PLUG IN ELBOW

No.	Tube OD x Stem OD
SPPJG13-14P	1/4" x 1/4"
SPPJG13-516P	5/16" x 5/16"
SPPJG13-3814P	3/8" x 1/4"
SPPJG13-38P	3/8" x 3/8"
SPPJG13-12P	1/2" x 1/2"



UNION TEE

No.	Tube OD
SPPJG16-14P	1/4"
SPPJG16-516P	5/16"
SPPJG16-38P	3/8"
SPPJG16-12P	1/2"



REDUCING TEE

No.	Tube OD x Tube OD
SPPJG30-141438P	1/4" x 1/4" x 3/8"
SPPJG30-381438P	3/8" x 1/4" x 3/8"
SPPJG30-1238P	1/2" x 1/2" x 3/8"
SPPJG30-3814P	3/8" x 3/8" 1/4"



SWIVEL BRANCH TEE

No.	Tube OD x MPT
SPPJG17-1418P	1/4" x 1/8"
SPPJG17-14P	1/4" x 1/4"
SPPJG17-3814P	3/8" x 1/4"
SPPJG17-38P	3/8" x 3/8"



FIXED BRANCH TEE

No.	Stem OD
SPPJG35-38P	3/8"



SWIVEL MALE RUN TEE

No.	Tube OD x MPT
SPPJG18-1418P	1/4" x 1/8"
SPPJG18-14P	1/4" x 1/4"
SPPJG18-3814P	3/8" x 1/4"
SPPJG18-38P	3/8" x 3/8"



STACKABLE TEE

No.	Stem OD
SPPJG38-38P	3/8"

POLY / NYLON / METAL FITTINGS



TWO-WAY DIVIDER

No.	Stem OD
SPPJG20-38P	3/8"



UNEQUAL TWO-WAY DIVIDER

No.	Stem OD
SPPJG20-3814P	3/8" x 1/4"



BULKHEAD UNION

No.	Tube OD
SPPJG62-14P	1/4"
SPPJG62-38P	3/8"
SPPJG62-12P	1/2"



REDUCING BULKHEAD UNION

No.	Stem OD
SPPJG62-3814P	3/8" x 1/4"



REDUCER

No.	Stem OD x Tube OD
SPPJG36-3814P	3/8" x 1/4"
SPPJG36-1238P	1/2" x 3/8"
SPPJG36-38516P	3/8" x 5/16"
SPPJG36-5814P	5/8" x 1/4"
SPPJG36-5838P	5/8" x 3/8"
SPPJG36-5812P	5/8" x 1/2"



STEM ADAPTER

No.	Stem OD x MPT
SPPJG34-1418P	1/4" x 1/8"
SPPJG34-14P	1/4" x 1/4"
SPPJG34-3814P	3/8" x 1/4"
SPPJG34-38P	3/8" x 3/8"
SPPJG34-1238P	1/2" x 3/8"
SPPJG34-12P	1/2" x 1/2"



TUBE TO HOSE BARB

No.	Stem OD x Hose ID
SPPJG19-38P	3/8" x 3/8"
SPPJG19-3812P	3/8" x 1/2"
SPPJG19-1238P	1/2" x 3/8"
SPPJG19-12P	1/2" x 1/2"



PLUG

No.	Stem OD
SPPJG31-14P	1/4"
SPPJG31-516P	5/16"
SPPJG31-38P	3/8"
SPPJG31-12P	1/2"



END CAP

No.	Stem OD
SPPJG32-14P	1/4"



FAUCET CONNECTOR

No.	Tube OD x Compression
SPPJG11-38P	3/8" x 7/16 - 24"
SPPJG11-14P	1/4" x 7/16 - 24"



BRASS FEMALE GARDEN HOSE CONNECTOR

No.	Tube OD x FGHT
-	3/8" x 3/4"
SPPJG70-14B	1/4" x 3/4"



BRASS FEMALE FLARE CONNECTOR

No.	Tube OD x Flare
SPPJG43-14B	1/4" x 1/4"
SPPJG43-3814B	3/8" x 1/4"
SPPJG43-38B	3/8" x 3/8"



COLLET LOCKING & RELEASE TOOL

No.	Sizes
SPPJGLRT-2	Keychain - 3/16", 1/4", 5/16", 3/8", 1/2"
SPPJGLRT-3	1/4" & 3/8"



POLY VALVE

No.	Tube x Tube
SPPJG47-14	1/4" x 1/4"
SPPJG47-38	3/8" x 3/8"



90° POLY VALVE

No.	Tube x FPT
SPPJG48-14	1/4" x 1/4"
SPPJG48-3814	3/8" x 1/4"



ANGLE STOP ADAPTER VALVES

No.	M Comp x F Comp x Tube
SPPJG51-38	3/8" x 3/8" x 3/8"
SPPJG51-3814	3/8" x 3/8" x 1/4"



SPEEDFIT TO MALE THREAD

No.	Tube OD x MPT
SPPJG52-14	1/4" x 1/4"
SPPJG52-38	3/8" x 3/8"



SPEEDFIT TO FEMALE THREAD

No.	Tube OD x FPT
SPPJG53-38	3/8" x 3/8"



PUSH-IN FITTINGS O-RING

No.	Description
SPPJGON-316	3/16" Nitrile
SPPJGOE-14	1/4" EPDM
SPPJGON-14	1/4" Nitrile
SPPJGOE-38	3/8" EPDM
SPPJGON-38	3/8" Nitrile
SPPJGON-12	1/2" Nitrile



MOUNTING CLIP

No.	Description
SPPJG-06MC	1/4" Valves
SPPJG-10MC	3/8" Valves

- ProLock fittings incorporate the innovative and patented Twist & Lock feature that provides a secondary locking feature for added security and confidence
- No special tools required
- Approved for use with Copper, PEX or CPVC (Cannot be used on PVC or galvanized pipe)

- Available in sizes 3/8" to 1" CTS (Copper Tube Size)
- Suitable for hot and cold water plumbing applications
- EPDM O-rings
- Max PSI : 160 PSI @ 73°F ; 100psi @ 180°F ; 80psi @ 200°F



UNION TEE

No.	CTS
SPPPSEI0216E	3/8"
SPPPSEI0220E	1/2"
SPPPSEI0228E	3/4"
SPPPSEI0236E	1"



UNION ELBOW

No.	CTS
SPPPSEI0316E	3/8"
SPPPSEI0320E	1/2"
SPPPSEI0328E	3/4"
SPPPSEI0336E	1"



COUPLER

No.	CTS
SPPPSEI0416E	3/8"
SPPPSEI0420E	1/2"
SPPPSEI0428E	3/4"
SPPPSEI0436E	1"



MALE STEM ADAPTER

No.	Stem x MPT
SPPPSEI052826E	3/4" x 3/4"
SPPPSEI053628E	1" x 1"



STACKABLE TEE

No.	CTS
SPPPSEI532020E	1/2" x 1/2" x 1/2"
SPPPSEI532820E	3/4" x 3/4" x 1/2"
SPPPSEI532828E	3/4" x 3/4" x 3/4"
SPPPSEI533628E	1" x 1" x 3/4"



BRASS FEMALE CONNECTOR

No.	CTS x NPS
SPPPSEI601634E	3/8" x 1/2"
SPPPSEI602034E	1/2" x 1/2"
SPPPSEI602036E	1/2" x 3/4"
SPPPSEI602834E	3/4" x 1/2"
SPPPSEI602836E	3/4" x 3/4"
SPPPSEI603638E	1" x 1"



REDUCER

No.	Stem x CTS
SPPPSEI062016E	1/2" x 3/8"
SPPPSEI062820E	3/4" x 1/2"
SPPPSEI063628E	1" x 3/4"



REDUCING COUPLER

No.	CTS
SPPPSEI202016E	1/2" x 3/8"
SPPPSEI202820E	3/4" x 1/2"
SPPPSEI203628E	1" x 3/4"



PLUG-IN ELBOW

No.	Stem x CTS
SPPPSEI222020E	1/2" x 1/2"
SPPPSEI222828E	3/4" x 3/4"
SPPPSEI223636E	1" x 1"



REDUCING ELBOW

No.	CTS
SPPPSEI212016E	1/2" x 3/8"
SPPPSEI212820E	3/4" x 1/2"
SPPPSEI213628E	1" x 3/4"



MALE CONNECTOR

No.	CTS x MPT
SPPPSEI011624E	3/8" x 1/2"
SPPPSEI012024E	1/2" x 1/2"
SPPPSEI012026E	1/2" x 3/4"
SPPPSEI012824E	3/4" x 1/2"
SPPPSEI012826E	3/4" x 3/4"
SPPPSEI012828E	3/4" x 1"
SPPPSEI013626E	1" x 3/4"
SPPPSEI013628E	1" x 1"



FEMALE STEM ADAPTER

No.	Stem x NPS
SPPPSEI502034E	1/2" x 1/2"



BRASS FEMALE ELBOW CONNECTOR

No.	CTS x NPS
SPPPSEI612034E	1/2" x 1/2"
SPPPSEI612836E	3/4" x 3/4"



END CAP

No.	CTS
SPPPSEI4616E	3/8"
SPPPSEI4620E	1/2"
SPPPSEI4628E	3/4"
SPPPSEI4636E	1"



MALE FIXED ELBOW

No.	CTS x MPT
SPPPSEI482024E	1/2" x 1/2"



REDUCING TEE

No.	CTS
SPPPSEI3016AE	1/2" x 1/2" x 3/8"
SPPPSEI3028AE	3/4" x 3/4" x 1/2"
SPPPSEI3028BE	3/4" x 1/2" x 1/2"
SPPPSEI3028CE	1/2" x 1/2" x 3/4"
SPPPSEI3028DE	3/4" x 1/2" x 3/4"
SPPPSEI3036AE	1" x 1" x 3/4"



SHUT-OFF VALVE

No.	CTS
SPPPSEISV20EP	1/2"
SPPPSEISV28EP	3/4"



FEMALE ELBOW CONNECTOR

No.	CTS x FPT
SPPPSEI632836E-L	3/4" x 3/4"
SPPPSEI632838E-L	3/4" x 1"
SPPPSEI63283AE-L	3/4" x 1 1/4"
SPPPSEI63363AE-L	1" x 1 1/4"



FEMALE CONNECTOR

No.	CTS x NPS
SPPPSEI622036E-L	1/2" x 3/4"
SPPPSEI622836E-L	3/4" x 3/4"
SPPPSEI622838E-L	3/4" x 1"
SPPPSEI623638E-L	1" x 1"
SPPPSEI62363AE-L	1" x 1 1/4"



FLEXI HOSE

No.	Description
SPPPSFC20N3618E	1/2" CTS x 3/4" NPS
SPPPSFC28C2818E	3/4" CTS x 3/4" NPS
SPPPSFC28N3618E	3/4" CTS x 3/4" CTS

- Connects copper, cpvc, and pex pipe in any combination
- Fast installation, no soldering, crimping or solvent welding necessary
- Can be rotated after assembly for easy installation in tight spaces
- Ideal for use on plumbing, water heaters, and hydronic heating systems
- Brass body, EPDM o-ring, 304 stainless steel gripper ring
- Full fluid flow (without stiffener inserts)
- Integral tube liner for pex installations
- Max. 200 PSI
- Max. Temp. 200°F (93°C)



FULL PORT BALL VALVES

No.	Size
SPP082PF-05	1/2"
SPP082PF-07	3/4"
SPP082PF-10	1"



COUPLINGS

No.	Size
SPPBPF-C03	3/8"
SPPBPF-C0503	1/2" x 3/8"
SPPBPF-C05	1/2"
SPPBPF-C07	3/4"
SPPBPF-C0705	3/4" x 1/2"
SPPBPF-C10	1"
SPPBPF-C1007	1" x 3/4"



ADAPTERS

No.	Size
(CTS x FPT)	
SPPBPF-FA03	3/8"
SPPBPF-FA05	1/2"
SPPBPF-FA0507	1/2" x 3/4"
SPPBPF-FA07	3/4"
SPPBPF-FA10	1"
(CTS x MPT)	
SPPBPF-MA03	3/8"
SPPBPF-MA05	1/2"
SPPBPF-MA0507	1/2" x 3/4"
SPPBPF-MA07	3/4"
SPPBPF-MA10	1"



POLY CONVERSION COUPLINGS

No.	PF x POLY-B
SPPBPF-PBC05	1/2"
SPPBPF-PBC07	3/4"



ELBOWS

No.	Size
SPPBPF-E03	3/8"
SPPBPF-E05	1/2"
SPPBPF-E07	3/4"
SPPBPF-E0705	3/4" x 1/2"
SPPBPF-E10	1"



MPT ELBOWS

No.	PF x MPT
SPPBPF-ME05	1/2"
SPPBPF-ME07	3/4"



FPT ELBOWS

No.	PF x FPT
SPPBPF-FE05	1/2"
SPPBPF-FE07	3/4"



TEES

No.	Size
SPPBPF-T03	3/8"
SPPBPF-T05	1/2"
SPPBPF-T07	3/4"
SPPBPF-T070505	3/4" x 1/2" x 1/2"
SPPBPF-T070507	3/4" x 1/2" x 3/4"
SPPBPF-T070705	3/4" x 3/4" x 1/2"
SPPBPF-T10	1"
SPPBPF-T101007	1" x 1" x 3/4"



STIFFENERS

No.	Size
SPPBPF-S05	1/2"
SPPBPF-S07	3/4"
SPPBPF-S10	1"



TEST CAPS



No.	Size
SPPBPF-CA05	1/2"
SPPBPF-CA07	3/4"
SPPBPF-CA10	1"



SUPPLY VALVES

No.	PF x CPR
Angle	
SPP08SVA-05PF02CP	1/2" PF x 1/4" CPR
SPP08SVA-05PF	1/2" PF x 3/8" CPR
Straight	
SPP08SVS-05PF	1/2" PF x 3/8" CPR
Tee	
SPP08SVT-05PF02CP	1/2" (2) PF x 1/4" CPR
SPP08SVT-05PF	1/2" (2) PF x 3/8" CPR



BALL VALVE WITH DRAIN

No.	Size
SPP082PF-05WD	1/2"
SPP082PF-07WD	3/4"



18" CONNECTOR

No.	PF x FPT
SPPBPF-WC05-18	1/2" x 1/2"



12" FLEXIBLE REPAIR COUPLING

No.	PF
SPPBPF-FRC05	1/2"
SPPBPF-FRC07	3/4"



FPT WATER CONNECTOR

No.	PF
SPPBPF-WHC0507-18	1/2"
SPPBPF-WHCV0507-18	3/4"



MPT ADAPTERS

No.	Pex x MPT
SPPLF-PEX-125-10D	1/2"
SPPLF-PEX-125-10E	1/2" x 3/4"
SPPLF-PEX-125-14E	3/4"
SPPLF-PEX-125-14D	3/4" x 1/2"
Poly	
SPP710P-MA05	1/2"
SPP710P-MA0507	1/2" x 3/4"
SPP710P-MA0705	3/4" x 1/2"
SPP710P-MA07	3/4"
SPP710P-MA10	1"



SWEAT ADAPTERS

No.	Male
SPPLF-PEX-125SW-10	1/2"
SPPLF-PEX-125SW-14	3/4"
Female	
SPPLF-PEX-126SW-10	1/2"
SPPLF-PEX-126SW-14	3/4"



FPT ADAPTERS

No.	Pex x FPT
SPPLF-PEX-126-10D	1/2"
SPPLF-PEX-126-14E	3/4"
Poly	
SPPPEXPL-126-18H	1"



BRASS FPT SWIVEL ADAPTERS
Pex x FPT

No.	Size
SPPLF-PEX-126SPN-10D	1/2"



BRASS FPT SWIVEL ELBOWS
Pex x FPT

No.	Size
SPPLF-PEX-139FSPN-10D	1/2"
SPPLF-PEX-139FSPN-14E	3/4"



COUPLINGS
Pex x Pex

No.	Size
SPPLF-PEX-129-10	1/2"
SPPLF-PEX-129-14	3/4"
SPPLF-PEX-129-1410	3/4" x 1/2"
Poly	
SPP710P-C05	1/2"
SPP710P-C07	3/4"
SPP710P-C0705	3/4" x 1/2"
SPP710P-C10	1"
SPP710P-C1007	1" x 3/4"



90° ELBOWS
Pex x Pex

No.	Size
SPPLF-PEX-99HB-10	1/2"
SPPLF-PEX-99HB-14	3/4"
Poly	
SPPPEXPL-99HB-8	3/8"
SPP710P-E05	1/2"
SPP710P-E07	3/4"
SPP710P-E0705	3/4" x 1/2"
SPP710P-E10	1"



POLY MPT ELBOWS
Pex x MPT

No.	Size
SPP710P-ME05	1/2"
SPP710P-ME07	3/4"



BRASS FPT FLANGED ELBOWS
Pex x FPT

No.	Size
SPPLF-PEX-S139F-10D	1/2"
SPPLF-PEX-S139F-14E	3/4"



PEX PLUGS

No.	Pex
SPPLF-PEX-121HB-10	1/2"
SPPLF-PEX-121HB-14	3/4"
Poly	
SPPPEXPL-121HB-8	3/8"
SPP710P-P05	1/2"
SPP710P-P07	3/4"
SPP710P-P10	1"



TEES

No.	Pex
SPPLF-PEX-123-10	1/2"
SPPLF-PEX-123-14	3/4"
Poly	
SPPPEXPL-123-8	3/8"
SPP710P-T05	1/2"
SPP710P-T07	3/4"
SPP710P-T10	1"



REDUCING TEES

No.	1	2	3
SPPLF-PEX-123-1014	1/2"	1/2"	3/4"
SPPLF-PEX-123-1410	3/4"	3/4"	1/2"
SPPLF-PEX-123-141010	3/4"	1/2"	1/2"
SPPLF-PEX-123-141014	3/4"	1/2"	3/4"
Poly			
SPP710P-T050507	1/2"	1/2"	3/4"
SPP710P-T070705	3/4"	3/4"	1/2"
SPP710P-T070505	3/4"	1/2"	1/2"
SPP710P-T070507	3/4"	1/2"	3/4"
SPP710P-T070710	3/4"	3/4"	1"
SPP710P-T101005	1"	1"	1/2"



FORGED BRASS BALL VALVE

- Blow-out proof stem
- 400 WOG

No.	Size
SPPBVPEX2129-10	1/2"
SPPBVPEX2129-14	3/4"



SUPPLY VALVES

1/2" Cold Exp. Pex x 3/8" Comp.

No.	Type
SPP08SVA-05CEPNL	Angle
SPP08SVS-05CEPNL	Straight



WATER SUPPLY VALVE

1/2" Pex x 3/8" Comp.

No.	Type
SPPWSPEX68-106	Straight
SPPWSPEX69-106	Elbow



BEND SUPPORT

No.	Size
SPPPEX-BS-10	1/2"
SPPPEX-BS-14	3/4"



J-CLAMP (With Nail)

No.	Size
SPPPEX-JC-10	1/2"
SPPPEX-JC-14	3/4"



STAINLESS STEEL STEPLESS CLAMP

No.	Size
SPPHCPEX-10	1/2"
SPPHCPEX-14	3/4"



COPPER CRIMP RING

No.	Size
SPP720P-CR05	1/2"
SPP720P-CR07	3/4"

CRIMP TOOL KIT



- 14" Hand crimp tool kit for crimping black copper rings on 3/8", 1/2", 5/8" and 3/4" pex.
- Kit includes replaceable jaws for all sizes and Go-No-Go gauge.

Part No. SPPHCPEX-RTC-KIT

PEX FITTING FIELD KIT



STAINLESS STEEL CLAMP STYLE

Part No. SPPPEX-KIT-HC



TUBE & PEX PIPE CUTTER to 1"

Part No. SPP1518



PEX ANGLE CRIMP TOOL

No.	Size
SPPHCPEX-RTAC-10	1/2"

CEMENTS, PRIMERS & CLEANERS

PVC CEMENT

- For use on all grades & types of PVC and fittings up to 6".
- Recommended for gas, conduit, drain, waste & vent pipe.



MEDIUM CLEAR

No.	Size
SPP5990C	118ml (4oz)
SPP5991C	236ml (8oz)
SPP5992C	473ml (16oz)



MEDIUM GREY

No.	Size
SPP5990G	118ml (4oz)
SPP5991G	236ml (8oz)
SPP5992G	473ml (16oz)
SPP5993G	946ml (32oz)



RAIN-R-SHINE® MEDIUM GREY

- Fast setting cement for wet conditions (pools/irrigation), pressurization or quick installations

No.	Size
SPP5990R	118ml (4oz)
SPP5991R	236ml (8oz)

CPVC CEMENT



MEDIUM CLEAR

No.	Size
SPP5991CP	236ml (8oz)

ABS CEMENT



MEDIUM YELLOW

No.	Size
SPP5990A	118ml (4oz)
SPP5991A	236ml (8oz)

TRANSITION CEMENT



PVC to ABS WHITE

- Used for joining PVC to ABS on non-pressure transition joints.

No.	Size
SPP5990T	118ml (4oz)
SPP5991T	236ml (8oz)

PRIMERS & CLEANERS

- All purpose primers for PVC and CPVC pipe and fittings, all schedules and diameters.
- Removes surface dirt, grease and grime as well as softens pipe in preparation for cement.



CLEAR PRIMER

No.	Size
SPP5995P	118ml (4oz)
SPP5996P	236ml (8oz)
SPP5997P	473ml (16oz)
SPP5998P	946ml (32oz)



PURPLE PRIMER
Less aggressive than clear primer.

No.	Size
SPP5995PP	118ml (4oz)
SPP5996PP	236ml (8oz)



CLEAR CLEANER
For ABS, PVC, CPVC all schedules and diameters.

No.	Size
SPP5996C	236ml (8oz)

GRAY MAGIC INDUSTRIAL GRADE PIPE THREAD COMPOUND



- Slow drying, soft settling, non-hardening
- Specially formulated for production line usage
- Grit free, lead free
- Low odor, non-toxic
- Will not harden in can
- Temp. range: -50°F to 400°F (-45°C to 204°C)
- Works on all type of metal
- Also for ABS, PVC, CPVC, Poly and nylon plastic pipe fittings

No.	Size
SPPTS-GM08	236ml (8oz)
SPPTS-GM16	473ml (16oz)



RectorSeal® Tru-Blu™
8 oz w/Brush in Cap-24/case

No.	Size
SPPRSTB	236ml (8oz)

JOINT COMPOUNDS



GREY COMPOUND

- For use on water, steam or air lines.
- Not for use on plastic threads.

No.	Size
SPP5959M	236ml (8oz) can



WHITE COMPOUND WITH TEFLON

- For use with water, steam and caustics
- Gases: 3000 PSI, -50°F to 400°F
- Liquids: 10000 PSI, -50°F to 500°F

No.	Size
SPP5957T	1 oz. tube
SPP5958T	118ml (4oz) can
SPP5959T	236ml (8oz) can



BLUE COMPOUND

- For use with water, natural gas, steam, air lines, caustics, and dilute acids on PVC, CPVC, ABS, poly, iron, steel or copper up to and including 2"
- Gases: 3000 PSI, -50°F to 400°F
- Liquids: 10000 PSI, -50°F to 500°F

No.	Size
SPP5958B	118 ml (4oz) can
SPP5959B	236ml (8oz) can
SPP5960B	473ml (16oz) can

PIPE THREAD SEALANT

- Lubricates and protects threads. For use with potable water (hot or cold)
- Not recommended for use with ABS, CPVC pipe or oxygen, chlorine and other oxidizers

Rectorseal® NO. 21 W Brush In Cap-24/Case

No.	Size
SPP75354	236ml (8oz) can

NO. 5

No.	Size
SPP75351	118ml (4oz) can
SPP75350	1.75oz. tube
SPP75353	473ml 16oz can

KWIK HOSE CUTTERS



No.	Description
SPP1527	Spring, cuts up to 1"
SPP1528	Spring, cuts up to 1½"
SPP1529	Spring, cuts up to 2"
SPP1518	Cuts up to 1"
SPP1517	Cuts up to 1½"
SPP1516	Cuts up to 2"
SPP1515	Leather pouch

No.	Replacement Blades
SPP1519SS	Stainless steel 1"
SPP1520SS	Stainless steel 1½"
SPP1523	Stainless steel 2"
SPP1519	PTFE 1"
SPP1520	PTFE 1½"

SUPPLY LINES

STAINLESS STEEL TOILET SUPPLY LINES

- 3/8" Compression x 7/8" Toilet Connection



No.	Length
SPP94TT-6	6"
SPP94TT-9	9"
SPP94TT-12	12"
SPP94TT-20	20"

STAINLESS STEEL DISHWASHER LINES

- 3/8" Compression x 3/8" Male Pipe Elbow Connection



No.	Length
SPP95DW-72	72"

STAINLESS STEEL FAUCET SUPPLY LINES

- 3/8" Compression x 1/2" Female Thread Faucet Connection

No.	Length
SPP93LT-12	12"
SPP93LT-16	16"
SPP93LT-20	20"
SPP93LT-30	30"



STAINLESS STEEL WASHING MACHINE LINES

- 3/4" Female Hose x 3/4" Female Hose Connection



No.	Length
SPP96WM-48	48"
SPP96WM-60	60"
SPP96WM-72	72"

STAINLESS STEEL FEMALE CONNECTOR LINE

- 1/2" Female Thread x 1/2" Female Thread Connection



No.	Length
SPP98FSL-12	12"
SPP98FSL-20	20"

PLUMBING ACCESSORIES



180 OPEN MESH CLOTH

No.	Size
SPP5987-5	1½" x 15 feet

ELECTRICAL TAPE



STANDARD

- Temp. range: -10°C to 80°C

No.	Size
SPPETAW	7 MIL x 3/4" x 60'



COLD & SUN RESISTANT

- Temp. range: -18°C to 80°C
- Resists ultraviolet rays and moisture

No.	Size
SPPETCW	8 MIL x 3/4" x 60'



RUBBER SPLICING TAPE

- Conformable, self-fusing insulating tape

No.	Size
SPPETSBR	30 MIL x 3/4" x 22'



ALL WEATHER PIPE WRAP



- Provides excellent insulating capacities
- Resists/reduces corrosion

No.	Size
SPPPW2-10	10 MIL x 2" x 100'

TEFLON TAPE



STANDARD

- For use with water, most chemicals, oxygen, gas, hydraulic and high pressure lines

Part No. SPP10TT03



PLUMBERS

- Higher density than standard

Part No. HAR554-740



GAS LINE

- For use with gas, natural gas, propane and butane lines
- Full density; heaviest tape available

Part No. SPP11TT03



OXYGEN

- For oxygen lines; will not support combustion

Part No. SPP5962GR



STAINLESS

- For use on all stainless steel fittings
- Prevents galling, seizing & corrosion

Part No. SPP5962SS



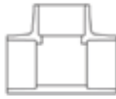
HIGH DENSITY

- No pigments or additives
- Perfect where non-contamination standards are high

Part No. SPP5962W



TEE
(Soc)



No.	Soc x Soc x Soc
SPP401-005	1/2"
SPP401-007	3/4"
SPP401-010	1"
SPP401-012	1 1/4"
SPP401-015	1 1/2"
SPP401-020	2"
SPP401-025	2 1/2"
SPP401-030	3"
SPP401-040	4"
SPP401-050	5"
SPP401-060	6"
SPP401-080	8"



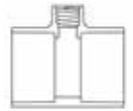
REDUCING TEE
(Soc)



No.	Soc x Soc x Soc
SPP401-250	2" x 2" x 1 1/4"
SPP401-251	2" x 2" x 1 1/2"
SPP401-289	2 1/2" x 2 1/2" x 1"
SPP401-290	2 1/2" x 2 1/2" x 1 1/4"
SPP401-291	2 1/2" x 2 1/2" x 1 1/2"
SPP401-292	2 1/2" x 2 1/2" x 2"
SPP401-337	3" x 3" x 1 1/2"
SPP401-338	3" x 3" x 2"
SPP401-342	3" x 3" x 4"
SPP401-417	4" x 4" x 1"
SPP401-418	4" x 4" x 1 1/4"
SPP401-420	4" x 4" x 2"
SPP401-422	4" x 4" x 3"
SPP401-486	5" x 5" x 2"
SPP401-488	5" x 5" x 3"
SPP401-490	5" x 5" x 4"
SPP401-532	6" x 6" x 4"



FPT COMBO REDUCING TEE



No.	Soc x Soc x FPT
SPP402-158	1 1/4" x 1" x 1"
SPP402-166	1 1/4" x 1 1/2" x 1/2"
SPP402-167	1 1/4" x 1 1/2" x 3/4"
SPP402-209	1 1/2" x 1 1/2" x 1/2"
SPP402-210	1 1/2" x 1 1/2" x 3/4"
SPP402-211	1 1/2" x 1 1/2" x 1"
SPP402-239	2" x 1 1/2" x 1"
SPP402-247	2" x 2" x 1/2"
SPP402-248	2" x 2" x 3/4"
SPP402-249	2" x 2" x 1"
SPP402-251	2" x 2" x 1 1/2"
SPP402-289	2 1/2" x 2 1/2" x 1"
SPP402-333	3" x 3" x 1/2"
SPP402-334	3" x 3" x 3/4"
SPP402-335	3" x 3" x 1"
SPP402-490	5" x 5" x 4"
SPP402-580	8" x 8" x 3"
SPP402-582	8" x 8" x 4"



REDUCING TEE
(Soc)

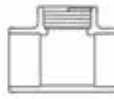


• D - Deep Socket 1/2" Branch Only

No.	Soc x Soc x Soc
SPP401-074	1/2" x 1/2" x 3/4"
SPP401-101	3/4" x 3/4" x 1/2"
SPPD401-101	3/4" x 3/4" x 1/2"
SPP401-102	3/4" x 3/4" x 1"
SPP401-122	1" x 1/2" x 1"
SPP401-125	1" x 3/4" x 3/4"
SPP401-130	1" x 1" x 1/2"
SPPD401-130	1" x 1" x 1/2"
SPP401-131	1" x 1" x 3/4"
SPP401-132	1" x 1" x 1 1/4"
SPP401-133	1" x 1" x 1 1/2"
SPP401-158	1 1/4" x 1" x 1"
SPP401-166	1 1/4" x 1 1/4" x 1/2"
SPPD401-166	1 1/4" x 1 1/4" x 1/2"
SPP401-167	1 1/4" x 1 1/4" x 3/4"
SPP401-168	1 1/4" x 1 1/4" x 1"
SPP401-169	1 1/4" x 1 1/4" x 1 1/2"
SPP401-170	1 1/4" x 1 1/4" x 2"
SPP401-209	1 1/2" x 1 1/2" x 1/2"
SPPD401-209	1 1/2" x 1 1/2" x 1/2"
SPP401-210	1 1/2" x 1 1/2" x 3/4"
SPP401-211	1 1/2" x 1 1/2" x 1"
SPP401-212	1 1/2" x 1 1/2" x 1 1/4"
SPP401-213	1 1/2" x 1 1/2" x 2"
SPP401-241	2" x 1 1/2" x 1 1/2"
SPP401-247	2" x 2" x 1/2"
SPPD401-247	2" x 2" x 1/2"
SPP401-248	2" x 2" x 3/4"
SPP401-249	2" x 2" x 1"



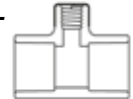
FPT COMBO TEE



No.	Soc x Soc x FPT
SPP402-005	1/2"
SPP402-007	3/4"
SPP402-010	1"
SPP402-012	1 1/4"
SPP402-015	1 1/2"
SPP402-020	2"
SPP402-030	3"



STAINLESS STEEL REINFORCED FPT TEE



No.	Soc x Soc x SRFPT
SPP402-005SR	1/2" x 1/2" x 1/2"
SPP402-072SR	1/2" x 1/2" x 1/4"
SPP402-098SR	3/4" x 3/4" x 1/4"
SPP402-101SR	3/4" x 3/4" x 1/2"



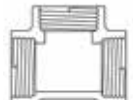
FPT COMBO REDUCING TEE



No.	Soc x Soc x FPT
SPP402-071	1/2" x 1/2" x 1/8"
SPP402-072	1/2" x 1/2" x 1/4"
SPP402-074	1/2" x 1/2" x 3/4"
SPP402-094	3/4" x 1/2" x 1/2"
SPP402-095	3/4" x 1/2" x 3/4"
SPP402-101	3/4" x 3/4" x 1/2"
SPP402-130	1" x 1" x 1/2"
SPP402-131	1" x 1" x 3/4"



FPT TEE



No.	FPT x FPT x FPT
SPP405-005	1/2"
SPP405-007	3/4"
SPP405-010	1"
SPP405-012	1 1/4"
SPP405-015	1 1/2"
405-020SPP	2"



**90°
ELBOW**
(Soc)



No.	Soc x Soc
SPP406-003	3/8"
SPP406-005	1/2"
SPP406-007	3/4"
SPP406-010	1"
SPP406-012	1 1/4"
SPP406-015	1 1/2"
SPP406-020	2"
SPP406-025	2 1/2"
SPP406-030	3"
SPP406-040	4"
SPP406-060	6"



90° ELBOW
(Soc x FPT)



No.	Soc x FPT
SPP407-005	1/2"
SPP407-007	3/4"
SPP407-010	1"
SPP407-012	1 1/4"
SPP407-015	1 1/2"
SPP407-020	2"
SPP407-025	2 1/2"
SPP407-030	3"
SPP407-040	4"



**90°
STREET ELBOW**
(SPIG x Soc)



No.	Spig x Soc
SPP409-005	1/2"
SPP409-007	3/4"
SPP409-010	1"
SPP409-012	1 1/4"
SPP409-015	1 1/2"
SPP409-020	2"



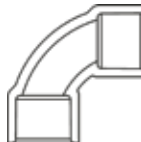
**90°
STREET ELBOW**
(Soc x MPT)



No.	Soc x MPT
SPP410-005	1/2" x 1/2"
SPP410-101	1/2" x 3/4"
SPP410-007	3/4" x 3/4"
SPP410-010	1" x 1"
SPP410-012	1 1/4" x 1 1/4"
SPP410-015	1 1/2" x 1 1/2"
SPP410-020	2" x 2"



**SWEEP
90° ELBOW**
(Soc)



No.	Soc x Soc
SPP406-010S	1" x 1"
SPP406-012S	1 1/4" x 1 1/4"
SPP406-015S	1 1/2" x 1 1/2"
SPP406-020S	2" x 2"



**STAINLESS STEEL
REINFORCED
90° ELBOW**
(Soc x SRFPT)



No.	Soc x SRFPT
SPP407-005SR	1/2" x 1/2"



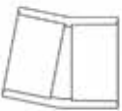
**REDUCING
90° ELBOW**
(Soc x FPT)



No.	Soc x FPT
SPP407-074	1/2" x 3/4"
SPP407-101	3/4" x 1/2"
SPP407-131	1" x 3/4"
SPP407-168	1 1/4" x 1"
SPP407-212	1 1/2" x 1 1/4"
SPP407-250	2" x 1 1/4"
SPP407-251	2" x 1 1/2"



11 1/4° ELBOW
(Soc)



No.	Soc x Soc
SPP411-020	2"
SPP411-030	3"
SPP411-040	4"



**REDUCING 90°
ELBOW**
(Soc)



• D - Deep Socket 1/2" Branch Only

No.	Soc x Soc
SPP406-101	3/4" x 1/2"
SPPD406-101	3/4" x 1/2"
SPPD406-130	1" x 1/2"
SPP406-131	1" x 3/4"
SPPD406-166	1 1/4" x 1/2"
SPP406-167	1 1/4" x 3/4"
SPP406-168	1 1/4" x 1"
SPP406-209	1 1/2" x 1/2"
SPP406-211	1 1/2" x 1"
SPP406-249	2" x 1"
SPP406-250	2" x 1 1/4"



90° ELBOW
(FPT)



No.	FPT
SPP408-005	1/2"
SPP408-007	3/4"
SPP408-010	1"
SPP408-012	1 1/4"
SPP408-015	1 1/2"
SPP408-020	2"



90° STREET ELBOW
(MPT x FPT)



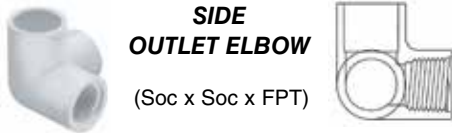
No.	MPT x FPT
SPP412-005	1/2"
SPP412-007	3/4"
SPP412-010	1"
SPP412-012	1 1/4"
SPP412-015	1 1/2"
SPP412-020	2"



**SIDE
OUTLET ELBOW**
(Soc)

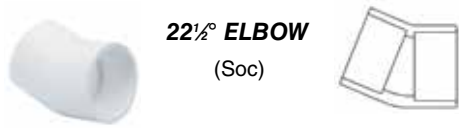


No.	Soc x Soc x Soc
SPP413-005	1/2"
SPP413-007	3/4"
SPP413-010	1"
SPP413-015	1 1/2"



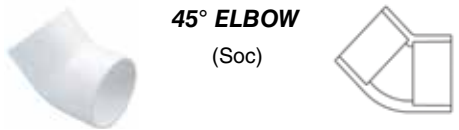
SIDE OUTLET ELBOW
(Soc x Soc x FPT)

No.	Soc	Soc	FPT
SPP414-005	1/2"	1/2"	1/2"
SPP414-007	3/4"	3/4"	3/4"



22 1/2° ELBOW
(Soc)

No.	Soc x Soc
SPP416-020	2"
SPP416-030	3"
SPP416-040	4"



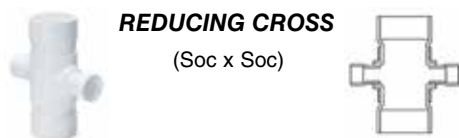
45° ELBOW
(Soc)

No.	Soc x Soc
SPP417-005	1/2"
SPP417-007	3/4"
SPP417-010	1"
SPP417-012	1 1/4"
SPP417-015	1 1/2"
SPP417-020	2"
SPP417-025	2 1/2"
SPP417-030	3"
SPP417-040	4"
SPP417-050	5"
SPP417-060	6"
SPP417-080	8"



CROSS
(Soc)

No.	Soc
SPP420-005	1/2"
SPP420-007	3/4"
SPP420-010	1"
SPP420-012	1 1/4"
SPP420-015	1 1/2"
SPP420-020	2"
SPP420-030	3"
SPP420-040	4"



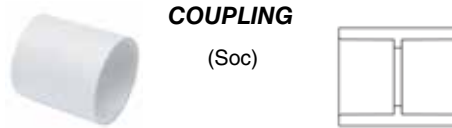
REDUCING CROSS
(Soc x Soc)

No.	Soc x Soc
SPP420-249	2" x 1"



45° ELBOW
(SPIG x Soc)

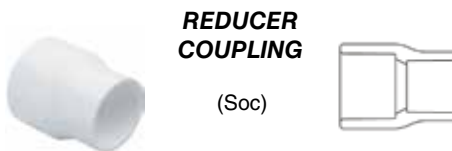
No.	Spig x Soc
SPP427-005	1/2"
SPP427-007	3/4"
SPP427-010	1"
SPP427-012	1 1/4"
SPP427-015	1 1/2"
SPP427-020	2"
SPP427-030	3"
SPP427-040	4"



COUPLING
(Soc)

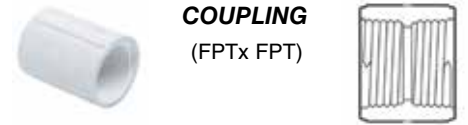
* Nesting Coupling

No.	Soc x Soc
SPP429-005	1/2"
*SPP429-005N	1/2"
SPP429-007	3/4"
*SPP429-007N	3/4"
SPP429-010	1"
*SPP429-010N	1"
SPP429-012	1 1/4"
SPP429-015	1 1/2"
SPP429-020	2"
SPP429-025	2 1/2"
SPP429-030	3"
SPP429-040	4"
SPP429-050	5"
SPP429-060	6"
SPP429-080	8"



REDUCER COUPLING
(Soc)

No.	Soc x Soc
SPP429-101	3/4" x 1/2"
SPP429-131	1" x 3/4"
SPP429-168	1 1/4" x 1"
SPP429-210	1 1/2" x 3/4"
SPP429-212	1 1/2" x 1 1/4"
SPP429-251	2" x 1 1/2"
SPP429-292	2 1/2" x 2"
SPP429-338	3" x 2"
SPP429-420	4" x 2"
SPP429-422	4" x 3"
SPP429-532	6" x 4"



COUPLING
(FPT x FPT)

No.	FPT x FPT
SPP430-005	1/2"
*SPP430-005G	1/2" Gray
SPP430-007	3/4"
SPP430-010	1"

*G - Gray Colour



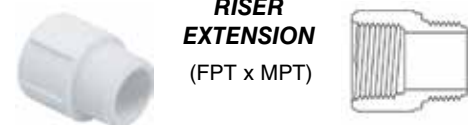
STAINLESS STEEL REINFORCED COUPLING

No.	SRFPT x SRFPT
SPP430-005SR	1/2"
SPP430-007SR	3/4"
SPP430-010SR	1"
SPP430-012SR	1 1/4"
SPP430-015SR	1 1/2"
SPP430-020SR	2"



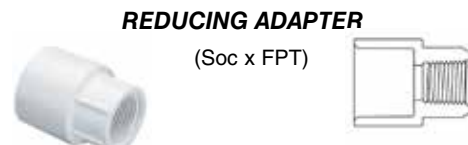
IRON PIPE SIZE TO PLASTIC IRRIGATION PIPE

No.	Spig x Soc
SPP431-060	6" x 6"
SPP431-080	8" x 8"



RISER EXTENSION
(FPT x MPT)

No.	FPT x MPT
SPP434-005	1/2"
SPP434-007	3/4"
SPP434-010	1"



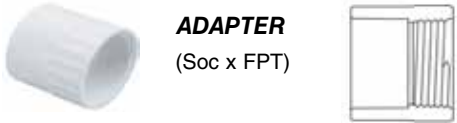
REDUCING ADAPTER
(Soc x FPT)

No.	Soc x FPT
SPP435-072	1/2" x 1/4"
SPP435-073	1/2" x 3/8"
SPP435-074	1/2" x 3/4"
SPP435-101	3/4" x 1/2"
SPP435-102	3/4" x 1"
SPP435-131	1" x 3/4"
SPP435-133	1" x 1 1/2"



REDUCING ADAPTER
(Soc x SRFPT)

No.	Soc x SRFPT
SPP435-074SR	1/2" x 3/4"
SPP435-101SR	3/4" x 1/2"
SPP435-102SR	3/4" x 1"
SPP435-130SR	1" x 1/2"
SPP435-131SR	1" x 3/4"



ADAPTER
(Soc x FPT)

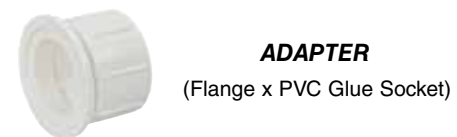
• D - Deep Socket 1/2" Branch Only

No.	Soc x FPT
SPP435-005	1/2"
SPPD435-005	1/2"
SPP435-007	3/4"
SPPD435-007	3/4"
SPP435-010	1"
SPP435-012	1 1/4"
SPP435-015	1 1/2"
SPP435-020	2"
SPP435-025	2 1/2"
SPP435-030	3"
SPP435-040	4"
SPP435-060	6"
SPP435-080	8"



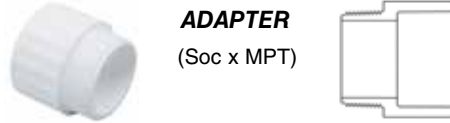
ADAPTER
(Soc x SRFPT)

No.	Soc x SRFPT
SPP435-002SR	1/4"
SPP435-005SR	1/2"
SPP435-007SR	3/4"
SPP435-010SR	1"
SPP435-012SR	1 1/4"
SPP435-015SR	1 1/2"
SPP435-020SR	2"
SPP435-040SR	4"



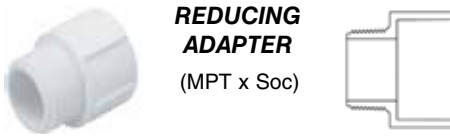
ADAPTER
(Flange x PVC Glue Socket)

No.	Description
SPPM221GSA	2" FP x 2"
SPPM301GSA	3" FP x 3"



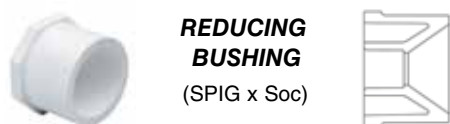
ADAPTER
(Soc x MPT)

No.	Soc x MPT
SPP436-003	3/8"
SPP436-005	1/2"
SPP436-007	3/4"
SPP436-010	1"
SPP436-012	1 1/4"
SPP436-015	1 1/2"
SPP436-020	2"
SPP436-025	2 1/2"
SPP436-030	3"
SPP436-040	4"
SPP436-050	5"
SPP436-060	6"



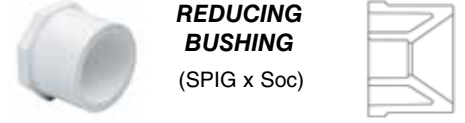
REDUCING ADAPTER
(MPT x Soc)

No.	MPT x Soc
SPP436-073	1/2" x 3/8"
SPP436-074	1/2" x 3/4"
SPP436-101	3/4" x 1/2"
SPP436-102	3/4" x 1"
SPP436-131	1" x 3/4"
SPP436-132	1" x 1 1/4"
SPP436-168	1 1/4" x 1"
SPP436-169	1 1/4" x 1 1/2"
SPP436-212	1 1/2" x 1 1/4"
SPP436-213	1 1/2" x 2"
SPP436-251	2" x 1 1/2"
SPP436-252	2" x 2 1/2"
SPP436-294	2 1/2" x 3"
SPP436-342	3" x 4"



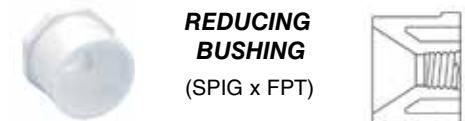
REDUCING BUSHING
(SPIG x Soc)

No.	Spig x Soc
SPP437-072	1/2" x 1/4"
SPP437-073	1/2" x 3/8"
SPP437-101	3/4" x 1/2"
SPP437-130	1" x 1/2"
SPP437-131	1" x 3/4"
SPP437-166	1 1/4" x 1/2"
SPP437-167	1 1/4" x 3/4"
SPP437-168	1 1/4" x 1"
SPP437-209	1 1/2" x 1/2"
SPP437-210	1 1/2" x 3/4"
SPP437-211	1 1/2" x 1"
SPP437-212	1 1/2" x 1 1/4"
SPP437-247	2" x 1/2"
SPP437-248	2" x 3/4"
SPP437-249	2" x 1"
SPP437-250	2" x 1 1/4"
SPP437-251	2" x 1 1/2"
SPP437-289	2 1/2" x 1"



REDUCING BUSHING
(SPIG x Soc)

No.	Spig x Soc
SPP437-290	2 1/2" x 1 1/4"
SPP437-291	2 1/2" x 1 1/2"
SPP437-292	2 1/2" x 2"
SPP437-334	3" x 3/4"
SPP437-335	3" x 1"
SPP437-337	3" x 1 1/2"
SPP437-338	3" x 2"
SPP437-339	3" x 2 1/2"
SPP437-420	4" x 2"
SPP437-421	4" x 2 1/2"
SPP437-422	4" x 3"
SPP437-528	6" x 2"
SPP437-530	6" x 3"
SPP437-532	6" x 4"

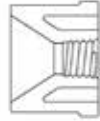


REDUCING BUSHING
(SPIG x FPT)

No.	Spig x FPT
SPP438-071	1/2" x 1/8"
SPP438-072	1/2" x 1/4"
SPP438-073	1/2" x 3/8"
SPP438-098	3/4" x 1/4"
SPP438-101	3/4" x 1/2"
SPP438-129	1" x 3/8"
SPP438-130	1" x 1/2"
SPP438-131	1" x 3/4"
SPP438-166	1 1/4" x 1/2"
SPP438-167	1 1/4" x 3/4"
SPP438-168	1 1/4" x 1"
SPP438-207	1 1/2" x 1/4"
SPP438-209	1 1/2" x 1/2"
SPP438-210	1 1/2" x 3/4"
SPP438-211	1 1/2" x 1"
SPP438-212	1 1/2" x 1 1/4"
SPP438-245	2" x 1/4"
SPP438-247	2" x 1/2"
SPP438-248	2" x 3/4"
SPP438-249	2" x 1"
SPP438-250	2" x 1 1/4"
SPP438-251	2" x 1 1/2"
SPP438-292	2 1/2" x 2"
SPP438-334	3" x 3/4"
SPP438-335	3" x 1"
SPP438-336	3" x 1 1/4"
SPP438-337	3" x 1 1/2"
SPP438-338	3" x 2"
SPP438-339	3" x 2 1/2"
SPP438-420	4" x 2"
SPP438-422	4" x 3"
SPP438-488	5" x 3"
SPP438-490	5" x 4"
SPP438-528	6" x 2"
SPP438-530	6" x 3"
SPP438-532	6" x 4"



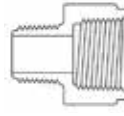
REDUCING BUSHING
(SPIG x SRFPT)



No.	Spig x SRFPT
SPP438-128SR	1" x 1/4"
SPP438-247SR	2" x 1/2"
SPP438-334SR	3" x 3/4"
SPP438-335SR	3" x 1"
SPP438-336SR	3" x 1 1/4"
SPP438-337SR	3" x 1 1/2"



ADAPTER
(MPT x FPT)



No.	MPT x FPT
SPP446-053	3/8" x 1/2"
SPP446-074	1/2" x 3/4"
SPP446-012	1 1/4" x 1 1/4"



PLUG
(MPT)

No.	MPT
SPP450-003	3/8"
SPP450-005	1/2"
SPP450-007	3/4"
SPP450-010	1"
SPP450-012	1 1/4"
SPP450-015	1 1/2"
SPP450-020	2"
SPP450-025	2 1/2"
SPP450-030	3"
SPP450-040	4"
SPP450-060	6"



CAP
(Soc)



No.	Soc
SPP447-005	1/2"
SPP447-007	3/4"
SPP447-010	1"
SPP447-012	1 1/4"
SPP447-015	1 1/2"
SPP447-020	2"
SPP447-025	2 1/2"
SPP447-030	3"
SPP447-040	4"
SPP447-050	5"
SPP447-060	6"
SPP447-080	8"



REDUCING BUSHING
(MPT x FPT)



No.	MPT x FPT
SPP439-052	3/8" x 1/4"
SPP439-071	1/2" x 1/8"
SPP439-072	1/2" x 1/4"
SPP439-073	1/2" x 3/8"
SPP439-098	3/4" x 1/4"
SPP439-099	3/4" x 3/8"
SPP439-101	3/4" x 1/2"
SPP439-130	1" x 1/2"
SPP439-131	1" x 3/4"
SPP439-166	1 1/4" x 1/2"
SPP439-167	1 1/4" x 3/4"
SPP439-168	1 1/4" x 1"
SPP439-209	1 1/2" x 1/2"
SPP439-210	1 1/2" x 3/4"
SPP439-211	1 1/2" x 1"
SPP439-212	1 1/2" x 1 1/4"
SPP439-248	2" x 3/4"
SPP439-249	2" x 1"
SPP439-250	2" x 1 1/4"
SPP439-251	2" x 1 1/2"
SPP439-292	2 1/2" x 2"
SPP439-338	3" x 2"
SPP439-339	3" x 2 1/2"



CAP
(FPT)



No.	FPT
SPP448-003	3/8"
SPP448-005	1/2"
SPP448-007	3/4"
SPP448-010	1"
SPP448-012	1 1/4"
SPP448-015	1 1/2"
SPP448-020	2"
SPP448-030	3"
SPP448-040	4"
SPP448-060	6"



ADAPTER
(Poly Pipe Insert x SPIGOT)



No.	Insert x Spig
SPP460-005	1/2" x 1/2"
SPP460-007	3/4" x 3/4"
SPP460-007N*	3/4" x 3/4"
SPP460-010	1" x 1"
SPP460-012	1 1/4" x 1 1/4"
SPP460-012N*	1 1/4" x 1 1/4"
SPP460-015	1 1/2" x 1 1/2"
SPP460-020	2" x 2"
SPP460-030	3" x 3"
SPP460-040	4" x 4"

* Nesting



ADAPTER
(SPIG x MPT)



No.	Spig x MPT
SPP461-005	1/2"
SPP461-007	3/4"
SPP461-010	1"
SPP461-012	1 1/4"
SPP461-015	1 1/2"
SPP461-020	2"



STREET TEE
(SPIG x Soc x Soc)



No.	Spig x Soc x Soc
SPP444-005	1/2" x 1/2" x 1/2"
SPP444-007	3/4" x 3/4" x 3/4"
SPP444-010	1" x 1" x 1"
SPP444-012	1 1/4" x 1 1/4" x 1 1/4"
SPP444-015	1 1/2" x 1 1/2" x 1 1/2"
SPP444-020	2" x 2" x 2"



PLUG
(SPIG)



No.	Spig
SPP449-005	1/2"
SPP449-007	3/4"
SPP449-010	1"
SPP449-012	1 1/4"
SPP449-015	1 1/2"
SPP449-020	2"
SPP449-030	3"



No.	Pipe	Soc
SPP463-005	1/2"	1/2"
SPP463-130	1"	1/2"
SPP463-010	1"	1"
SPP463-015	1 1/2"	1 1/2"
SPP463-020	2"	2"



No.	Pipe	Soc
SPP463-336	3"	1 1/4"
SPP463-337	3"	1 1/2"
SPP463-338	3"	2"
SPP463-418	4"	1 1/4"
SPP463-419	4"	1 1/2"
SPP463-420	4"	2"
SPP463-532	6"	4"



No.	Pipe	FPT
SPP464-007	3/4"	3/4"
SPP464-010	1"	1"
SPP464-210	1 1/2"	3/4"



No.	Pipe	FPT
SPP464-337	3"	1 1/2"
SPP464-419	4"	1 1/2"
SPP464-527	6"	1 1/2"
SPP464-532	6"	4"



No.	Soc x Soc
SPP476-338	3" x 2"



No.	Insert x Soc
SPP474-005	1/2" x 1/2"
SPP474-007	3/4" x 3/4"
SPP474-010	1" x 1"
SPP474-012	1 1/4" x 1 1/4"
SPP474-015	1 1/2" x 1 1/2"
SPP474-020	2" x 2"
SPP474-030	3" x 3"
SPP474-040	4" x 4"



No.	Soc x Soc x Soc
SPP475-005	1/2"
SPP475-007	3/4"
SPP475-010	1"
SPP475-012	1 1/4"
SPP475-015	1 1/2"
SPP475-020	2"
SPP475-030	3"
SPP475-040	4"
SPP475-532	6" x 4"
SPP475-060	6"



No.	Spig x Soc x MPT
SPP476-010	1" x 1" x 1"



No.	Spig x Soc x FPT
SPP477-010	1" x 1" x 1"



No.	Spig x FPT
SPP478-005	1/2"
SPP478-007	3/4"
SPP478-010	1"
SPP478-012	1 1/4"
SPP478-015	1 1/2"
SPP478-020	2"
SPP478-030	3"
SPP478-040	4"



No.	Spig x SRFPT
SPP478-005SR	1/2"
SPP478-007SR	3/4"
SPP478-010SR	1"
SPP478-012SR	1 1/4"
SPP478-015SR	1 1/2"
SPP478-020SR	2"
SPP478-030SR	3"
SPP478-040SR	4"



No.	Spig x SRFPT
SPP478-072SR	1/2" x 1/4"



No.	Soc x Soc
SPP497-005	1/2"
SPP497-007	3/4"
SPP497-010	1"
SPP497-012	1 1/4"
SPP497-015	1 1/2"
SPP497-020	2"
SPP497-025	2 1/2"
SPP497-030	3"
SPP497-040	4"

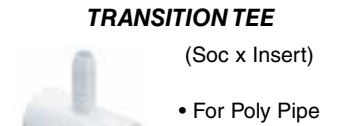


*Nesting

No.	Soc x Soc
*SPP479-005N	1/2"
SPP479-015	1 1/2"
SPP479-020	2"
SPP479-025	2 1/2"
SPP479-030	3"
SPP479-040	4"



No.	FPT x FPT
SPP498-005	1/2"
SPP498-007	3/4"
SPP498-010	1"
SPP498-012	1 1/4"
SPP498-015	1 1/2"
SPP498-020	2"
SPP498-025	2 1/2"



No.	Soc x Insert
SPP1102-007	3/4" x 3/4"



No.	Soc x SRFPT
SPP499-002SR	1/4" x 1/4"
SPP499-003SR	3/8" x 3/8"
SPP499-005SR	1/2" x 1/2"
SPP499-007SR	3/4" x 3/4"
SPP499-010SR	1" x 1"
SPP499-012SR	1 1/4" x 1 1/4"
SPP499-015SR	1 1/2" x 1 1/2"
SPP499-020SR	2" x 2"
SPP499-030SR	3" x 3"
SPP499-040SR	4" x 4"



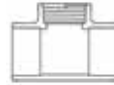
TEE
(Soc)



No.	Soc x Soc x Soc
SPP801-005	1/2"
SPP801-007	3/4"
SPP801-010	1"
SPP801-012	1 1/4"
SPP801-015	1 1/2"
SPP801-020	2"
SPP801-025	2 1/2"
SPP801-030	3"
SPP801-040	4"
SPP801-060	6"
SPP801-080	8"



TEE
(Soc x FPT)



No.	Soc x Soc x FPT
SPP802-005	1/2"
SPP802-007	3/4"
SPP802-010	1"
SPP802-020	2"



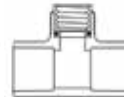
PVC 90°
(Soc)



No.	Soc x Soc
SPP806-005	1/2"
SPP806-007	3/4"
SPP806-010	1"
SPP806-012	1 1/4"
SPP806-015	1 1/2"
SPP806-020	2"
SPP806-025	2 1/2"
SPP806-030	3"
SPP806-040	4"
SPP806-060	6"
SPP806-080	8"



TEE
(Soc x SRFPT)



No.	Soc x Soc x SRFPT
SPP802-005SR	1/2" x 1/2" x 1/2"



90° SWEEP ELBOW
(Soc)



No.	Soc x Soc
SPP806-005S	1/2"
SPP806-007S	3/4"
SPP806-010S	1"
SPP806-012S	1 1/4"
SPP806-015S	1 1/2"
SPP806-020S	2"



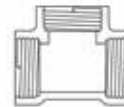
REDUCING TEE
(Soc)



No.	Soc x Soc x Soc
SPP801-101	3/4" x 3/4" x 1/2"
SPP801-130	1" x 1" x 1/2"
SPP801-131	1" x 1" x 3/4"
SPP801-158	1 1/4" x 1" x 1"
SPP801-210	1 1/2" x 1 1/2" x 3/4"
SPP801-211	1 1/2" x 1 1/2" x 1"
SPP801-249	2" x 2" x 1"
SPP801-290	2 1/2" x 2 1/2" x 1 1/4"
SPP801-291	2 1/2" x 2 1/2" x 1 1/2"
SPP801-292	2 1/2" x 2 1/2" x 2"
SPP801-335	3" x 3" x 1"
SPP801-338	3" x 3" x 2"
SPP801-339	3" x 3" x 2 1/2"
SPP801-420	4" x 4" x 2"
SPP801-422	4" x 4" x 3"
SPP801-530	6" x 6" x 3"
SPP801-532	6" x 6" x 4"
SPP801-585	8" x 8" x 6"



TEE
(FPT)



No.	FPT
SPP805-002	1/4"
SPP805-003	3/8"
SPP805-005	1/2"
SPP805-007	3/4"
SPP805-010	1"
SPP805-012	1 1/4"
SPP805-015	1 1/2"
SPP805-020	2"
SPP805-030	3"
SPP805-040	4"



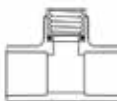
90° ELBOW
(Soc x FPT)



No.	Soc x FPT
SPP807-002	1/4"
SPP807-003	3/8"
SPP807-005	1/2"
SPP807-007	3/4"
SPP807-010	1"
SPP807-012	1 1/4"
SPP807-015	1 1/2"
SPP807-020	2"



REDUCING TEE
(Soc x SRFPT)



No.	Soc x Soc x SRFPT
SPP802-072SR	1/2" x 1/2" x 1/4"
SPP802-098SR	3/4" x 3/4" x 1/4"
SPP802-101SR	3/4" x 3/4" x 1/2"



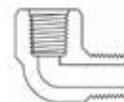
TEE
(SRFPT)



No.	SRFPT
SPP805-007SR	3/4"



90° STREET ELBOW
(FPT x MPT)



No.	FPT x MPT
SPP812-002	1/4" x 1/4"



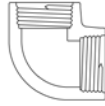
90° REDUCING ELBOW
(Soc x SRFPT)



No.	Soc x SRFPT
SPP807-101SR	3/4" x 1/2"



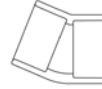
90° ELBOW
(FPT x FPT)



No.	FPT
SPP808-002	1/4"
SPP808-005	1/2"
SPP808-007	3/4"
SPP808-010	1"
SPP808-012	1 1/4"
SPP808-015	1 1/2"
SPP808-020	2"
SPP808-025	2 1/2"
SPP808-030	3"
SPP808-040	4"



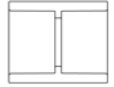
45° ELBOW
(Soc)



No.	Soc
SPP817-005	1/2"
SPP817-007	3/4"
SPP817-010	1"
SPP817-012	1 1/4"
SPP817-015	1 1/2"
SPP817-020	2"
SPP817-025	2 1/2"
SPP817-030	3"
SPP817-040	4"
SPP817-060	6"
SPP817-080	8"



COUPLING
(Soc)



No.	Soc
SPP829-002	1/4"
SPP829-005	1/2"
SPP829-007	3/4"
SPP829-010	1"
SPP829-012	1 1/4"
SPP829-015	1 1/2"
SPP829-020	2"
SPP829-025	2 1/2"
SPP829-030	3"
SPP829-040	4"
SPP829-060	6"
SPP829-080	8"



90° ELBOW
(SPIG x Soc)



No.	Spig x Soc
SPP809-005	1/2"
SPP809-007	3/4"
SPP809-010	1"
SPP809-015	1 1/2"
SPP809-020	2"
SPP809-030	3"
SPP809-040	4"
SPP809-060	6"
SPP809-080	8"



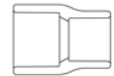
45° ELBOW
(FPT x FPT)



No.	FPT
SPP819-005	1/2"
SPP819-010	1"
SPP819-012	1 1/4"
SPP819-015	1 1/2"
SPP819-020	2"
SPP819-040	4"



REDUCING COUPLING
(Soc x Soc)



No.	Soc
SPP829-130	1" x 1/2"
SPP829-131	1" x 3/4"
SPP829-167	1 1/4" x 3/4"
SPP829-168	1 1/4" x 1"
SPP829-210	1 1/2" x 3/4"
SPP829-211	1 1/2" x 1"
SPP829-212	1 1/2" x 1 1/4"
SPP829-249	2" x 1"
SPP829-251	2" x 1 1/2"
SPP829-292	2 1/2" x 2"
SPP829-338	3" x 2"
SPP829-420	4" x 2"
SPP829-421	4" x 2 1/2"
SPP829-422	4" x 3"
SPP829-585	8" x 6"



11 1/4° ELBOW
(Soc)



No.	Soc
SPP811-030	3" x 3"
SPP811-040	4" x 4"



45° STREET ELBOW
(SPIG x Soc)



No.	Spig x Soc
SPP827-005	1/2"
SPP827-007	3/4"
SPP827-010	1"
SPP827-012	1 1/4"
SPP827-015	1 1/2"
SPP827-020	2"
SPP827-030	3"



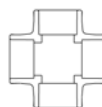
22 1/2° ELBOW
(Soc)



No.	Soc
SPP816-030	3"
SPP816-040	4"



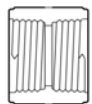
CROSS
(Soc)



No.	Soc
SPP820-002	1/4"
SPP820-005	1/2"
SPP820-007	3/4"
SPP820-012	1 1/4"
SPP820-015	1 1/2"
SPP820-030	3"
SPP820-040	4"



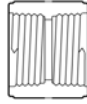
UNION
(FPT x FPT)



No.	FPT
SPP830-002	1/4"
SPP830-003	3/8"
SPP830-005	1/2"
SPP830-007	3/4"
SPP830-010	1"
SPP830-012	1 1/4"
SPP830-015	1 1/2"
SPP830-020	2"
SPP830-025	2 1/2"
SPP830-030	3"
SPP830-040	4"



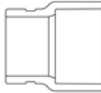
**STAINLESS STEEL
REINFORCED
COUPLING**
(SRFPT)



No.	SRFPT x SRFPT
SPP830-005SR	1/2" x 1/2"
SPP830-007SR	3/4" x 3/4"
SPP830-010SR	1" x 1"
SPP830-012SR	1 1/4" x 1 1/4"
SPP830-015SR	1 1/2" x 1 1/2"
SPP830-020SR	2" x 2"



ADAPTER
(Groove x Soc)



No.	Groove x Soc
SPP833-020	2"
SPP833-025	2 1/2"
SPP833-030	3"
SPP833-040	4"
SPP833-060	6"



ADAPTER
(Soc x FPT)



No.	Soc x FPT
SPP835-002	1/4"
SPP835-005	1/2"
SPP835-007	3/4"
SPP835-010	1"
SPP835-012	1 1/4"
SPP835-015	1 1/2"
SPP835-020	2"
SPP835-025	2 1/2"
SPP835-030	3"
SPP835-040	4"



ADAPTER
(Soc x SRFPT)



No.	Soc x SRFPT
SPP835-003SR	3/8" x 3/8"
SPP835-005SR	1/2" x 1/2"
SPP835-007SR	3/4" x 3/4"
SPP835-010SR	1" x 1"
SPP835-012SR	1 1/4" x 1 1/4"
SPP835-015SR	1 1/2" x 1 1/2"
SPP835-020SR	2" x 2"
SPP835-025SR	2 1/2" x 2 1/2"
SPP835-030SR	3" x 3"
SPP835-040SR	4" x 4"



**REDUCING
ADAPTER**
(Soc x SRFPT)



No.	Soc x SRFPT
SPP835-074SR	1/2" x 3/4"
SPP835-101SR	3/4" x 1/2"
SPP835-102SR	3/4" x 1"
SPP835-130SR	1" x 1/2"
SPP835-131SR	1" x 3/4"



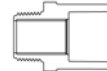
ADAPTER
(Soc x MPT)



No.	Soc x MPT
SPP836-005	1/2"
SPP836-007	3/4"
SPP836-010	1"
SPP836-012	1 1/4"
SPP836-015	1 1/2"
SPP836-020	2"
SPP836-025	2 1/2"
SPP836-030	3"
SPP836-040	4"
SPP836-060	6"



ADAPTER
(Soc x Reinforced
MPT)



No.	Soc x MPT
SPP836-005R	1/2" x 1/2"
SPP836-007R	3/4" x 3/4"
SPP836-010R	1" x 1"



**REDUCING
BUSHING**
(SPIG x Soc)



No.	Spig x Soc
SPP837-052	3/8" x 1/4"
SPP837-072	1/2" x 1/4"
SPP837-073	1/2" x 3/8"
SPP837-101	3/4" x 1/2"
SPP837-130	1" x 1/2"
SPP837-131	1" x 3/4"
SPP837-166	1 1/4" x 1/2"
SPP837-167	1 1/4" x 3/4"
SPP837-168	1 1/4" x 1"
SPP837-209	1 1/2" x 1/2"
SPP837-210	1 1/2" x 3/4"
SPP837-211	1 1/2" x 1"
SPP837-212	1 1/2" x 1 1/4"
SPP837-247	2" x 1/2"
SPP837-248	2" x 3/4"
SPP837-249	2" x 1"
SPP837-250	2" x 1 1/4"
SPP837-251	2" x 1 1/2"
SPP837-292	2 1/2" x 2"
SPP837-335	3" x 1"
SPP837-336	3" x 1 1/4"
SPP837-337	3" x 1 1/2"
SPP837-338	3" x 2"
SPP837-339	3" x 2 1/2"
SPP837-420	4" x 2"
SPP837-422	4" x 3"
SPP837-528	6" x 2"
SPP837-530	6" x 3"
SPP837-532	6" x 4"
SPP837-585	8" x 6"



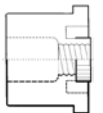
**REDUCING
BUSHING**
(SPIG x FPT)



No.	Spig x FPT
SPP838-072	1/2" x 1/4"
SPP838-073	1/2" x 3/8"
SPP838-098	3/4" x 1/4"
SPP838-099	3/4" x 3/8"
SPP838-101	3/4" x 1/2"
SPP838-129	1" x 3/8"
SPP838-130	1" x 1/2"
SPP838-131	1" x 3/4"
SPP838-166	1 1/2" x 1/2"
SPP838-167	1 1/4" x 3/4"
SPP838-168	1 1/4" x 1"
SPP838-209	1 1/2" x 1/2"
SPP838-210	1 1/2" x 3/4"
SPP838-211	1 1/2" x 1"
SPP838-212	1 1/2" x 1 1/4"
SPP838-247	2" x 1/2"
SPP838-248	2" x 3/4"
SPP838-249	2" x 1"
SPP838-250	2" x 1 1/4"
SPP838-251	2" x 1 1/2"
SPP838-291	2 1/2" x 1 1/2"
SPP838-292	2 1/2" x 2"
SPP838-334	3" x 3/4"
SPP838-335	3" x 1"
SPP838-336	3" x 1 1/4"
SPP838-338	3" x 2"
SPP838-339	3" x 2 1/2"
SPP838-420	4" x 2"
SPP838-422	4" x 3"
SPP838-528	6" x 2"
SPP838-530	6" x 3"



**REDUCING
BUSHING**
(SPIG x SRFPT)



No.	Spig x SRFPT
SPP838-128SR	1" x 1/4"
SPP838-209SR	1 1/2" x 1/2"
SPP838-210SR	1 1/2" x 3/4"
SPP838-247SR	2" x 1/2"
SPP838-248SR	2" x 3/4"
SPP838-249SR	2" x 1"
-	3" x 3/4"
-	3" x 1"
-	3" x 1 1/4"
SPP838-337SR	3" x 1 1/2"



REDUCING BUSHING
(MPT x FPT)

No.	MPT x FPT
SPP839-052	3/8" x 1/4"
SPP839-072	1/2" x 1/4"
SPP839-073	1/2" x 3/8"
SPP839-098	3/4" x 1/4"
SPP839-099	3/4" x 3/8"
SPP839-101	3/4" x 1/2"
SPP839-128	1" x 1/4"
SPP839-129	1" x 3/8"
SPP839-130	1" x 1/2"
SPP839-131	1" x 3/4"
SPP839-166	1 1/4" x 1/2"
SPP839-167	1 1/4" x 3/4"
SPP839-168	1 1/4" x 1"
SPP839-209	1 1/2" x 1/2"
SPP839-210	1 1/2" x 3/4"
SPP839-211	1 1/2" x 1"
SPP839-212	1 1/2" x 1 1/4"
SPP839-247	2" x 1/2"
SPP839-248	2" x 3/4"
SPP839-249	2" x 1"
SPP839-250	2" x 1 1/4"
SPP839-251	2" x 1 1/2"
SPP839-292	2 1/2" x 2"
SPP839-337	3" x 1 1/2"
SPP839-338	3" x 2"
SPP839-339	3" x 2 1/2"
SPP839-420	4" x 2"
SPP839-422	4" x 3"



STREET TEE
(SPIG x Soc x Soc)

No.	Size
SPP844-005	1/2"
SPP844-010	1"
SPP844-012	1 1/4"
SPP844-015	1 1/2"
SPP844-020	2"



CAP
(Soc)

No.	Soc
SPP847-005	1/2"
SPP847-007	3/4"
SPP847-010	1"
SPP847-012	1 1/4"
SPP847-015	1 1/2"
SPP847-020	2"
SPP847-030	3"
SPP847-040	4"
SPP847-060	6"
SPP847-080	8"



CAP
(FPT)

No.	FPT
SPP848-005	1/2"
SPP848-007	3/4"
SPP848-010	1"
SPP848-012	1 1/4"
SPP848-015	1 1/2"
SPP848-020	2"
SPP848-030	3"
SPP848-040	4"



CAP
(SRFPT)

No.	SRFPT
SPP848-002SR	1/4"



PLUG
(SPIG)

No.	Spigot
SPP849-005	1/2"
SPP849-007	3/4"
SPP849-010	1"
SPP849-012	1 1/4"
SPP849-015	1 1/2"
SPP849-020	2"



PLUG
(MPT)

No.	MPT
SPP850-002	1/4"
SPP850-003	3/8"
SPP850-005	1/2"
SPP850-007	3/4"
SPP850-010	1"
SPP850-012	1 1/4"
SPP850-015	1 1/2"
SPP850-020	2"
SPP850-025	2 1/2"
SPP850-030	3"
SPP850-040	4"
SPP850-060	6"



ADAPTER
(SPIG x MPT)

No.	Spig x MPT
SPP861-005	1/2" x 1/2"
SPP861-007	3/4" x 3/4"
SPP861-010	1" x 1"
SPP861-012	1 1/4" x 1 1/4"
SPP861-015	1 1/2" x 1 1/2"
SPP861-020	2" x 2"



"Y"
(Soc x Soc x Soc)

No.	Size
SPP875-010	1"
SPP875-012	1 1/4"
SPP875-015	1 1/2"
SPP875-020	2"
SPP875-040	4"
-	6" x 6" x 4"
SPP875-060	6"



ADAPTER
(SPIG x SRFPT)

No.	Spig x SRFPT
SPP878-005SR	1/2" x 1/2"
SPP878-098SR	3/4" x 1/4"
SPP878-007SR	3/4" x 3/4"
SPP878-128SR	1" x 1/4"
SPP878-010SR	1" x 1"
SPP878-012SR	1 1/4" x 1 1/4"
SPP878-015SR	1 1/2" x 1 1/2"
SPP878-020SR	2" x 2"
SPP878-030SR	3" x 3"
-	4" x 4"



ONE PIECE FLANGE
(Soc)

No.	Soc	Flange OD
SPP851-007	3/4"	3 3/8"
SPP851-010	1"	4 1/4"
SPP851-012	1 1/4"	4 5/8"
SPP851-015	1 1/2"	5"
SPP851-020	2"	6"
SPP851-025	2 1/2"	7"
SPP851-030	3"	7 1/2"
SPP851-040	4"	9"



ONE PIECE FLANGE
(SRFPT)

No.	SRFPT
SPP852-005SR	1/2"
SPP852-007SR	3/4"
SPP852-010SR	1"
SPP852-012SR	1 1/4"
SPP852-015SR	1 1/2"
SPP852-020SR	2"
SPP852-025SR	2 1/2"
SPP852-030SR	3"
SPP852-040SR	4"



BLIND FLANGE
Max 150 PSI @ 73° F

No.	Size	Flange OD
SPP853-005	1/2"	3 1/2"
SPP853-007	3/4"	3 7/8"
SPP853-010	1"	4 1/4"
SPP853-020	2"	5 5/16"
SPP853-040	4"	9"
SPP853-060	6"	11"
SPP853-080	8"	13 1/2"



FLANGE VAN STONE STYLE

- Plastic Solid Ring Soc
- Two Piece

No.	Size	Flange OD
SPP854-005	1/2"	3 1/2"
SPP854-007	3/4"	3 7/8"
SPP854-010	1"	4 1/4"
SPP854-012	1 1/4"	4 5/8"
SPP854-015	1 1/2"	5"
SPP854-020	2"	6"
SPP854-025	2 1/2"	7"
SPP854-030	3"	7 1/2"
SPP854-040	4"	9"
SPP854-050	5"	10 3/8"
SPP854-060	6"	11"
SPP854-080	8"	13 1/2"



**FLANGE
VAN STONE
STYLE**

- Plastic Solid Ring FPT
- Two Piece

No.	FPT	Flange
SPP855-005	1/2"	3 1/2"
SPP855-007	3/4"	3 3/8"
SPP855-010	1"	4 1/4"
SPP855-012	1 1/4"	4 5/8"
SPP855-015	1 1/2"	5"
SPP855-020	2"	6"
SPP855-030	3"	7 1/2"
SPP855-040	4"	9"



**FLANGE
VAN STONE
STYLE
(SPIG)**

No.	Spig	Flange
SPP856-030	3"	7 1/2"
SPP856-040	4"	9"
SPP856-060	6"	11"
SPP856-080	8"	13 1/2"



UNION

- (Soc x Soc)
- Viton Seal
 - Max 235 PSI @ 73° F

No.	Soc x Soc
SPP8057-007	3/4"
SPP8057-010	1"
SPP8057-012	1 1/4"
SPP8057-015	1 1/2"
SPP8057-020	2"
SPP8057-030	3"
SPP8057-040	4"



UNION

- (Soc x FPT)
- Viton Seal
 - Max 235 PSI @ 73° F

No.	Soc x FPT
SPP8059-007	3/4"
SPP8059-010	1"
SPP8059-015	1 1/2"
SPP8059-020	2"
SPP8059-030	3"
SPP8059-040	4"



UNION

- (Soc x SRFPT)
- Viton O-Ring Seal
 - Max 235 PSI @ 73° F

No.	Size
SPP859-002SR	1/4"
SPP8059-005SR	1/2"
SPP8059-007SR	3/4"
SPP8059-010SR	1"
SPP8059-012SR	1 1/4"
SPP8059-015SR	1 1/2"
SPP8059-020SR	2"
SPP8059-025SR	2 1/2"
SPP8059-040SR	4"



UNION

- (FPT x FPT)
- Viton Seal
 - Max 235 PSI @ 73° F

No.	FPT
SPP858-002	1/4"
SPP858-003	3/8"
SPP8058-005	1/2"
SPP8058-007	3/4"
SPP8058-010	1"
SPP8058-012	1 1/4"
SPP8058-015	1 1/2"
SPP8058-020	2"



UNION

- (SRFPT x SRFPT)
- Stainless Steel Reinforced FPT
 - Viton Seal
 - Max 235 PSI @ 73° F

No.	FPT
SPP8058-010SR	1"
SPP8058-012SR	1 1/4"
SPP8058-020SR	2"
SPP8058-030SR	3"
-	4"

1/8" PVC NIPPLES

No.	Size
SPP879-015	1/8" x 1 1/2"
SPP879-020	1/8" x 2"
SPP879-025	1/8" x 2 1/2"
SPP879-035	1/8" x 3 1/2"
SPP879-130	1/8" x 13"
SPP879-140	1/8" x 14"
SPP879-150	1/8" x 15"
SPP879-160	1/8" x 16"
SPP879-170	1/8" x 17"
SPP879-180	1/8" x 18"
SPP879-190	1/8" x 19"
SPP879-200	1/8" x 20"
SPP879-220	1/8" x 22"
SPP879-240	1/8" x 24"
SPP879-360	1/8" x 36"
SPP879-420	1/8" x 42"
SPP879-480	1/8" x 48"

1/4" PVC NIPPLES

No.	Size
SPP885-005	1/4" x 1 1/2"
SPP885-020	1/4" x 2"
SPP885-025	1/4" x 2 1/2"
SPP885-030	1/4" x 3"
SPP885-035	1/4" x 3 1/2"
SPP885-040	1/4" x 4"
SPP885-045	1/4" x 4 1/2"
SPP885-050	1/4" x 5"
SPP885-055	1/4" x 5 1/2"
SPP885-060	1/4" x 6"
SPP885-070	1/4" x 7"
SPP885-080	1/4" x 8"
SPP885-120	1/4" x 12"
SPP885-130	1/4" x 13"
SPP885-140	1/4" x 14"
SPP885-150	1/4" x 15"
SPP885-160	1/4" x 16"
SPP885-170	1/4" x 17"
SPP885-180	1/4" x 18"
SPP885-190	1/4" x 19"
SPP885-200	1/4" x 20"
SPP885-220	1/4" x 22"
SPP885-360	1/4" x 36"
SPP885-420	1/4" x 42"
SPP885-480	1/4" x 48"

1/4" PVC NIPPLES

No.	Size
SPP880-005	1/4" x 7/8"
SPP880-015	1/4" x 1 1/2"
SPP880-020	1/4" x 2"
SPP880-025	1/4" x 2 1/2"
SPP880-030	1/4" x 3"
SPP880-035	1/4" x 3 1/2"
SPP880-040	1/4" x 4"
SPP880-045	1/4" x 4 1/2"
SPP880-050	1/4" x 5"
SPP880-060	1/4" x 6"
SPP880-080	1/4" x 8"
SPP880-100	1/4" x 10"
SPP880-130	1/4" x 13"
SPP880-140	1/4" x 14"
SPP880-150	1/4" x 15"
SPP880-160	1/4" x 16"
SPP880-170	1/4" x 17"
SPP880-180	1/4" x 18"
SPP880-190	1/4" x 19"
SPP880-200	1/4" x 20"
SPP880-220	1/4" x 22"
SPP880-240	1/4" x 24"
SPP880-300	1/4" x 30"
SPP880-360	1/4" x 36"
SPP880-420	1/4" x 42"
SPP880-480	1/4" x 48"

1/2" PVC NIPPLES

No.	Size
SPP886-005	1/2" x 2 1/2"
SPP886-020	1/2" x 2"
SPP886-025	1/2" x 2 1/2"
SPP886-030	1/2" x 3"
SPP886-035	1/2" x 3 1/2"
SPP886-040	1/2" x 4"
SPP886-050	1/2" x 5"
SPP886-060	1/2" x 6"
SPP886-070	1/2" x 7"
SPP886-080	1/2" x 8"
SPP886-100	1/2" x 10"
SPP886-120	1/2" x 12"
SPP886-130	1/2" x 13"
SPP886-140	1/2" x 14"
SPP886-150	1/2" x 15"
SPP886-160	1/2" x 16"
SPP886-170	1/2" x 17"
SPP886-180	1/2" x 18"
SPP886-190	1/2" x 19"
SPP886-200	1/2" x 20"
SPP886-220	1/2" x 22"
SPP886-240	1/2" x 24"
SPP886-300	1/2" x 30"
SPP886-360	1/2" x 36"
SPP886-420	1/2" x 42"
SPP886-480	1/2" x 48"

3/8" PVC NIPPLES

No.	Size
SPP881-005	3/8" x 1"
SPP881-015	3/8" x 1½"
SPP881-020	3/8" x 2"
SPP881-025	3/8" x 2½"
SPP881-030	3/8" x 3"
SPP881-040	3/8" x 4"
SPP881-045	3/8" x 4½"
SPP881-060	3/8" x 6"
SPP881-080	3/8" x 8"
SPP881-110	3/8" x 11"
SPP881-130	3/8" x 13"
SPP881-140	3/8" x 14"
SPP881-150	3/8" x 15"
SPP881-160	3/8" x 16"
SPP881-170	3/8" x 17"
SPP881-180	3/8" x 18"
SPP881-190	3/8" x 19"
SPP881-200	3/8" x 20"
SPP881-220	3/8" x 22"
SPP881-240	3/8" x 24"
SPP881-300	3/8" x 30"
SPP881-360	3/8" x 36"
SPP881-420	3/8" x 42"
SPP881-480	3/8" x 48"

1/2" PVC NIPPLES

No.	Size
SPP882-005	1/2" x 1½"
SPP882-015	1/2" x 1½"
SPP882-020	1/2" x 2"
SPP882-025	1/2" x 2½"
SPP882-030	1/2" x 3"
SPP882-035	1/2" x 3½"
SPP882-040	1/2" x 4"
SPP882-045	1/2" x 4½"
SPP882-050	1/2" x 5"
SPP882-055	1/2" x 5½"
SPP882-060	1/2" x 6"
SPP882-070	1/2" x 7"
SPP882-080	1/2" x 8"
SPP882-090	1/2" x 9"
SPP882-100	1/2" x 10"
SPP882-110	1/2" x 11"
SPP882-120	1/2" x 12"
SPP882-130	1/2" x 13"
SPP882-140	1/2" x 14"
SPP882-170	1/2" x 17"
SPP882-180	1/2" x 18"
SPP882-190	1/2" x 19"
SPP882-200	1/2" x 20"
SPP882-220	1/2" x 22"
SPP882-240	1/2" x 24"
SPP882-360	1/2" x 36"
SPP882-420	1/2" x 42"
SPP882-480	1/2" x 48"

3/4" PVC NIPPLES

No.	Size
SPP883-005	3/4" x 1½"
SPP883-015	3/4" x 1½"
SPP883-020	3/4" x 2"
SPP883-025	3/4" x 2½"
SPP883-030	3/4" x 3"
SPP883-035	3/4" x 3½"
SPP883-040	3/4" x 4"
SPP883-045	3/4" x 4½"
SPP883-050	3/4" x 5"
SPP883-055	3/4" x 5½"
SPP883-060	3/4" x 6"
SPP883-070	3/4" x 7"
SPP883-080	3/4" x 8"
SPP883-090	3/4" x 9"
SPP883-100	3/4" x 10"
SPP883-120	3/4" x 12"
SPP883-140	3/4" x 14"
SPP883-150	3/4" x 15"
SPP883-160	3/4" x 16"
SPP883-170	3/4" x 17"
SPP883-180	3/4" x 18"
SPP883-190	3/4" x 19"
SPP883-200	3/4" x 20"
SPP883-220	3/4" x 22"
SPP883-240	3/4" x 24"
SPP883-300	3/4" x 30"
SPP883-360	3/4" x 36"
SPP883-420	3/4" x 42"
SPP883-480	3/4" x 48"

1" PVC NIPPLES

No.	Size
SPP884-005	1" x 1½"
SPP884-020	1" x 2"
SPP884-025	1" x 2½"
SPP884-030	1" x 3"
SPP884-035	1" x 3½"
SPP884-040	1" x 4"
SPP884-045	1" x 4½"
SPP884-050	1" x 5"
SPP884-055	1" x 5½"
SPP884-060	1" x 6"
SPP884-070	1" x 7"
SPP884-080	1" x 8"
SPP884-090	1" x 9"
SPP884-100	1" x 10"
SPP884-130	1" x 13"
SPP884-140	1" x 14"
SPP884-150	1" x 15"
SPP884-160	1" x 16"
SPP884-170	1" x 17"
SPP884-180	1" x 18"
SPP884-190	1" x 19"
SPP884-200	1" x 20"
SPP884-220	1" x 22"
SPP884-240	1" x 24"
SPP884-300	1" x 30"
SPP884-360	1" x 36"
SPP884-420	1" x 42"
SPP884-480	1" x 48"

2" PVC NIPPLES

No.	Size
SPP887-005	2" x Close
SPP887-025	2" x 2½"
SPP887-030	2" x 3"
SPP887-035	2" x 3½"
SPP887-040	2" x 4"
SPP887-045	2" x 4½"
SPP887-050	2" x 5"
SPP887-055	2" x 5½"
SPP887-060	2" x 6"
SPP887-070	2" x 7"
SPP887-080	2" x 8"
SPP887-090	2" x 9"
SPP887-100	2" x 10"
SPP887-120	2" x 12"
SPP887-130	2" x 13"
SPP887-140	2" x 14"
SPP887-150	2" x 15"
SPP887-160	2" x 16"
SPP887-170	2" x 17"
SPP887-180	2" x 18"
SPP887-190	2" x 19"
SPP887-200	2" x 20"
SPP887-220	2" x 22"
SPP887-240	2" x 24"
SPP887-300	2" x 30"
SPP887-360	2" x 36"
SPP887-420	2" x 42"
SPP887-480	2" x 48"

2½" PVC NIPPLES

No.	Size
SPP888-025	2½" x 2½"
SPP888-030	2½" x 3"
SPP888-035	2½" x 3½"
SPP888-040	2½" x 4"
SPP888-080	2½" x 8"
SPP888-130	2½" x 13"
SPP888-140	2½" x 14"
SPP888-150	2½" x 15"
SPP888-160	2½" x 16"
SPP888-170	2½" x 17"
SPP888-180	2½" x 18"
SPP888-190	2½" x 19"
SPP888-200	2½" x 20"
SPP888-220	2½" x 22"
SPP888-240	2½" x 24"
SPP888-300	2½" x 30"
SPP888-360	2½" x 36"
SPP888-420	2½" x 42"
SPP888-480	2½" x 48"

3" PVC NIPPLES

No.	Size
SPP889-005	3" x 1½"
SPP889-030	3" x 3"
SPP889-035	3" x 3½"
SPP889-040	3" x 4"
SPP889-050	3" x 5"
SPP889-060	3" x 6"
SPP889-080	3" x 8"
SPP889-120	3" x 12"
SPP889-130	3" x 13"
SPP889-140	3" x 14"
SPP889-150	3" x 15"
SPP889-160	3" x 16"
SPP889-170	3" x 17"
SPP889-180	3" x 18"
SPP889-190	3" x 19"
SPP889-200	3" x 20"
SPP889-220	3" x 22"
SPP889-240	3" x 24"
SPP889-300	3" x 30"
SPP889-360	3" x 36"
SPP889-420	3" x 42"
SPP889-480	3" x 48"

4" PVC NIPPLES

No.	Size
SPP890-005	4" x 1½"
SPP890-040	4" x 4"
SPP890-045	4" x 4½"
SPP890-055	4" x 5½"
SPP890-060	4" x 6"
SPP890-130	4" x 13"
SPP890-140	4" x 14"
SPP890-150	4" x 15"
SPP890-160	4" x 16"
SPP890-170	4" x 17"
SPP890-180	4" x 18"
SPP890-190	4" x 19"
SPP890-200	4" x 20"
SPP890-220	4" x 22"
SPP890-240	4" x 24"
SPP890-300	4" x 30"
SPP890-420	4" x 42"
SPP890-480	4" x 48"



TEE
(Soc)

No.	Soc
SPP801-003C	3/8"
SPP801-005C	1/2"
SPP801-007C	3/4"
SPP801-010C	1"
SPP801-012C	1 1/4"
SPP801-015C	1 1/2"
SPP801-020C	2"
SPP801-030C	3"
-	4"
SPP801-060C	6"
-	8"



TEE
(FPT)

No.	FPT
SPP805-002C	1/4"
SPP805-005C	1/2"
SPP805-007C	3/4"
SPP805-010C	1"
SPP805-015C	1 1/2"
SPP805-020C	2"
SPP805-025C	2 1/2"
-	3"
-	4"



90° ELBOW
(Soc)

No.	Soc x Soc
SPP806-005C	1/2"
SPP806-007C	3/4"
SPP806-010C	1"
SPP806-012C	1 1/4"
SPP806-015C	1 1/2"
SPP806-020C	2"
SPP806-030C	3"
-	4"
SPP806-060C	6"
-	8"



45° STREET ELBOW
(SPIG x Soc)

No.	Spig x Soc
SPP827-005C	1/2"
SPP827-007C	3/4"
SPP827-010C	1"
SPP827-012C	1 1/4"
SPP827-015C	1 1/2"
SPP827-020C	2"
-	3"



REDUCING TEE
(Soc)

No.	Soc x Soc x Soc
SPP801-101C	3/4" x 3/4" x 3/4"
SPP801-131C	1" x 1" x 3/4"
SPP801-158C	1 1/4" x 1" x 3/4"
SPP801-159C	1 1/2" x 1" x 1 1/4"
SPP801-168C	1 1/4" x 1 1/4" x 1"
SPP801-202C	1 1/2" x 1 1/4" x 1"
SPP801-210C	1 1/2" x 1 1/2" x 3/4"
SPP801-211C	1 1/2" x 1 1/2" x 1"
SPP801-247C	2" x 2" x 1/2"
SPP801-249C	2" x 2" x 1"
SPP801-251C	2" x 2" x 1 1/2"
SPP801-289C	2 1/2" x 2 1/2" x 1"
SPP801-290C	2 1/2" x 2 1/2" x 1 1/4"
SPP801-291C	2 1/2" x 2 1/2" x 1 1/2"
SPP801-292C	2 1/2" x 2 1/2" x 2"
SPP801-338C	3" x 3" x 2"
-	4" x 4" x 2"
-	4" x 4" x 3"
SPP801-585C	8" x 8" x 6"



90° ELBOW
(FPT)

No.	FPT x FPT
SPP808-005C	1/2"
SPP808-007C	3/4"
SPP808-010C	1"
SPP808-015C	1 1/2"
SPP808-025C	2 1/2"
SPP808-030C	3"



90° SWEEP ELBOW
(Soc)

No.	Soc x Soc
SPP806-005SC	1/2"
SPP806-007SC	3/4"
SPP806-010SC	1"
SPP806-012SC	1 1/4"
SPP806-015SC	1 1/2"
SPP806-020SC	2"



COUPLING
(Soc)

No.	Soc x Soc
SPP829-005C	1/2"
SPP829-007C	3/4"
SPP829-010C	1"
SPP829-015C	1 1/2"
SPP829-020C	2"
SPP829-030C	3"
-	4"
-	6"
SPP829-080C	8"



90° ELBOW
(SPIG x Soc)

No.	Spig x Soc
SPP809-005C	1/2"
SPP809-007C	3/4"
SPP809-010C	1"
SPP809-012C	1 1/4"
SPP809-015C	1 1/2"
SPP809-020C	2"
SPP809-030C	3"
-	4"
-	6"
-	8"



45° ELBOW
(Soc)

No.	Soc
SPP817-005C	1/2"
SPP817-007C	3/4"
SPP817-010C	1"
SPP817-012C	1 1/4"
SPP817-015C	1 1/2"
SPP817-020C	2"
SPP817-025C	2 1/2"
SPP817-030C	3"
SPP817-040C	4"



REDUCING COUPLING
(Soc)

No.	Soc x Soc
SPP829-166C	1 1/4" x 1/2"
SPP829-167C	1 1/4" x 3/4"
SPP829-168C	1 1/4" x 1"
SPP829-251C	2" x 1 1/2"
SPP829-292C	2 1/2" x 2"
-	3" x 2"
-	4" x 2"
-	4" x 3"
SPP829-532C	6" x 4"
-	8" x 6"



TEE
(Soc x Soc x FPT)

No.	Soc x Soc x FPT
SPP802-005C	1/2"
SPP802-007C	3/4"
SPP802-010C	1"
SPP802-015C	1 1/2"
SPP802-020C	2"



90° ELBOW
(Soc x FPT)

No.	Soc x FPT
SPP807-005C	1/2"
SPP807-007C	3/4"
SPP807-020C	2"



45° ELBOW
(FPT)

No.	FPT
SPP819-010C	1"
SPP819-025C	2 1/2"
SPP819-040C	4"



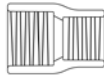
COUPLING
(SRFPT)



No.	SRFPT
SPP830-010CSR	1" x 1"
SPP830-012CSR	1½" x 1½"
SPP830-015CSR	1½" x 1½"
SPP830-020CSR	2" x 2"



REDUCING COUPLING
(SRFPT)

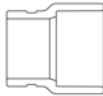


No.	FPT
*SPP830-101CSR	¾" x 1/2"
SPP830-130CSR	1" x 1/2"
SPP830-131CSR	1" x ¾"
SPP830-210CSR	1½" x ¾"
SPP830-211CSR	1½" x 1"
SPP830-212CSR	1½" x 1¼"
SPP830-249CSR	2" x 1"
SPP830-251CSR	2" x 1½"

* Non-reinforced



ADAPTER
(Groove x Soc)



No.	Groove x Soc
SPP833-012C	1¼"
SPP833-020C	2"
SPP833-025C	2½"
-	3"
-	4"
-	6"



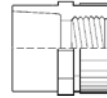
COUPLING
(Soc x FPT)



No.	Soc x FPT
SPP835-002C	1/4"
SPP835-007C	¾"
SPP835-010C	1"
SPP835-015C	1½"
SPP835-020C	2"
SPP835-025C	2½"
SPP835-030C	3"
SPP835-040C	4"



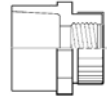
ADAPTER
(Soc x SRFPT)



No.	Soc x SRFPT
SPP835-003CSR	¾" x ¾"
SPP835-005CSR	1/2" x 1/2"
SPP835-007CSR	¾" x ¾"
SPP835-010CSR	1" x 1"
SPP835-012CSR	1¼" x 1¼"
SPP835-025CSR	2½" x 2½"



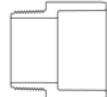
REDUCING ADAPTER
(Soc x SRFPT)



No.	Soc x SRFPT
SPP835-074CSR	1/2" x ¾"
SPP835-101CSR	¾" x 1/2"
SPP835-102CSR	¾" x 1"
SPP835-130CSR	1" x 1/2"
SPP835-131CSR	1" x ¾"



ADAPTER
(Soc x MPT)



No.	Soc x MPT
SPP836-005C	1/2"
SPP836-007C	¾"
SPP836-010C	1"
SPP836-012C	1¼"
SPP836-015C	1½"
SPP836-020C	2"
SPP836-025C	2½"
SPP836-030C	3"
-	4"



ADAPTER
(Soc x Reinforced MPT)



No.	Soc x MPT
SPP836-005CR	1/2" x 1/2"
SPP836-007CR	¾" x ¾"
SPP836-010CR	1" x 1"

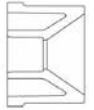


COUPLING
(FPT)

No.	FPT x FPT
SPP830-010C	1"
SPP830-012C	1½"
SPP830-025C	2½"
-	3"



REDUCING BUSHING FLUSH STYLE
(SPIG x Soc)



No.	Spig x Soc
SPP837-052C	¾" x 1/4"
SPP837-072C	1/2" x 1/4"
SPP837-073C	¾" x ¾"
SPP837-101C	¾" x 1/2"
SPP837-130C	1" x 1/2"
SPP837-131C	1" x ¾"
SPP837-166C	1½" x 1/2"
SPP837-167C	1½" x ¾"
SPP837-168C	1½" x 1"
SPP837-209C	1½" x 1/2"
SPP837-210C	1½" x ¾"
SPP837-211C	1½" x 1"
SPP837-212C	1½" x 1¼"
SPP837-247C	2" x 1/2"
SPP837-248C	2" x ¾"
SPP837-249C	2" x 1"
SPP837-250C	2" x 1¼"
SPP837-251C	2" x 1½"
SPP837-290C	2½" x 1¼"
SPP837-291C	2½" x 1½"
SPP837-292C	2½" x 2"
SPP837-335C	3" x 1"
SPP837-336C	3" x 1¼"
-	3" x 1½"
-	3" x 2"
SPP837-339C	3" x 2½"
SPP837-420C	4" x 2"
-	4" x 3"



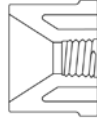
REDUCING BUSHING FLUSH STYLE
(SPIG x FPT)



No.	Spig x FPT
SPP838-073C	1/2" x ¾"
SPP838-101C	¾" x 1/2"
SPP838-130C	1" x 1/2"
SPP838-131C	1" x ¾"
SPP838-166C	1½" x 1/2"
SPP838-167C	1½" x ¾"
SPP838-168C	1½" x 1"
SPP838-209C	1½" x 1/2"
SPP838-210C	1½" x ¾"
SPP838-211C	1½" x 1"
SPP838-212C	1½" x 1¼"
SPP838-250C	2" x 1¼"
SPP838-251C	2" x 1½"
SPP838-287C	2½" x 1/2"
SPP838-288C	2½" x ¾"
SPP838-289C	2½" x 1"
SPP838-290C	2½" x 1¼"
SPP838-291C	2½" x 1½"
-	3" x ¾"
-	3" x 1"
-	3" x 1¼"
-	3" x 2"



REDUCING BUSHING FLUSH STYLE
(SPIG x SRFPT)



No.	Spig x SRFPT
SPP838-128CSR	1" x 1/4"
SPP838-209CSR	1 1/2" x 1/2"
SPP838-210CSR	1 1/2" x 3/4"
SPP838-247CSR	2" x 1/2"
SPP838-248CSR	3" x 3/4"
SPP838-249CSR	2" x 1"
-	3" x 3/4"
-	3" x 1 1/4"
-	3" x 1 1/2"



REDUCING BUSHING
(MPT x FPT)



No.	MPT x FPT
SPP839-052C	3/8" x 1/4"
SPP839-072C	1/2" x 1/4"
SPP839-073C	1/2" x 3/8"
SPP839-098C	3/4" x 1/4"
SPP839-099C	3/4" x 3/8"
SPP839-101C	3/4" x 1/2"
SPP839-128C	1" x 1/4"
SPP839-129C	1" x 3/8"
SPP839-130C	1" x 1/2"
SPP839-131C	1" x 3/4"
SPP839-166C	1 1/4" x 1/2"
SPP839-167C	1 1/4" x 3/4"
SPP839-168C	1 1/4" x 1"
SPP839-209C	1 1/2" x 1/2"
SPP839-210C	1 1/2" x 3/4"
SPP839-211C	1 1/2" x 1"
SPP839-212C	1 1/2" x 1 1/4"
SPP839-249C	2" x 1"
SPP839-250C	2" x 1 1/4"
SPP839-251C	2" x 1 1/2"
SPP839-292C	2 1/2" x 2"
-	3" x 1 1/2"
-	3" x 2"
-	3" x 2 1/2"
-	4" x 2"
-	4" x 3"



STREET TEE
(SPIG x Soc x Soc)



No.	Spig x Soc x Soc
SPP844-005C	1/2"
SPP844-007C	3/4"
SPP844-010C	1"
SPP844-012C	1 1/4"
SPP844-015C	1 1/2"
SPP844-020C	2"



CAP (Soc)



No.	Soc
SPP847-007C	3/4"
SPP847-015C	1 1/2"
SPP847-020C	2"
SPP847-025C	2 1/2"
SPP847-030C	3"
-	4"
-	6"
-	8"



CAP (FPT)



No.	FPT
SPP848-007C	3/4"
SPP848-010C	1"



PLUG (MPT)



No.	MPT
SPP850-002C	1/4"
SPP850-007C	3/4"
SPP850-010C	1"
SPP850-015C	1 1/2"
SPP850-020C	2"
SPP850-025C	2 1/2"
-	3"



ADAPTER (SPIG x MPT)



No.	Spig x MPT
SPP861-005C	1/2" x 1/2"
SPP861-007C	3/4" x 3/4"
SPP861-010C	1" x 1"
SPP861-012C	1 1/4" x 1 1/4"
SPP861-015C	1 1/2" x 1 1/2"
SPP861-020C	2" x 2"



"Y" (Soc x Soc x Soc)



- 1/2" - 2" 235 PSI Max @ 73°F
- 3" - 6" 150 PSI Max @ 73°F
- 8" - larger 100 PSI Max @ 73°F

No.	Soc x Soc x Soc
SPP875-005C	1/2" x 1/2" x 1/2"
SPP875-007C	3/4" x 3/4" x 3/4"
SPP875-010C	1" x 1" x 1"
SPP875-015C	1 1/2" x 1 1/2" x 1 1/2"
SPP875-020C	2" x 2" x 2"
-	3" x 3" x 3"
-	4" x 4" x 4"



ADAPTER (SPIG x SRFPT)



No.	Spig x SRFPT
SPP878-005CSR	1/2" x 1/2"
SPP878-010CSR	1" x 1"
SPP878-012CSR	1 1/4" x 1 1/4"
SPP878-015CSR	1 1/2" x 1 1/2"



REDUCING ADAPTER (SPIG x SRFPT)



No.	Spig x SRFPT
SPP878-072CSR	1/2" x 1/4"
SPP878-098CSR	3/4" x 1/4"
SPP878-128CSR	1" x 1/4"



ONE PIECE FLANGE
(Soc)

No.	Soc
SPP851-005C	1/2"
SPP851-007C	3/4"
SPP851-010C	1"
SPP851-012C	1 1/4"
SPP851-015C	1 1/2"
SPP851-020C	2"
SPP851-025C	2 1/2"
SPP851-030C	3"
-	4"
-	6"
-	8"



ONE PIECE FLANGE
(SRFPT)

No.	SRFPT
SPP852-005CSR	1/2"
SPP852-007CSR	3/4"
SPP852-010CSR	1"
SPP852-012CSR	1 1/4"
SPP852-015CSR	1 1/2"
SPP852-020CSR	2"
SPP852-025CSR	2 1/2"
SPP852-030CSR	3"
SPP852-040CSR	4"



FLANGE VAN STONE STYLE
With plastic ring
(Soc)

No.	Soc
SPP854-005C	1/2"
SPP854-007C	3/4"
SPP854-010C	1"
SPP854-012C	1 1/4"
SPP854-015C	1 1/2"
SPP854-020C	2"
SPP854-025C	2 1/2"
SPP854-040C	4"
SPP854-060C	6"
SPP854-080C	8"



UNION
(Soc x FPT)
• Viton Seal
• Max 235 PSI @ 73°F

No.	Soc x FPT
SPP8059-007C	3/4"
SPP8059-010C	1"
SPP8059-020C	2"
SPP8059-025C	2 1/2"
-	3"
-	4"



UNION
(Soc)
• Viton Seal
• Max 235 PSI @ 73°F

No.	Soc x Soc
SPP8057-005C	1/2"
SPP8057-010C	1"
SPP8057-012C	1 1/4"
SPP8057-015C	1 1/2"
SPP8057-020C	2"
SPP8057-025C	2 1/2"
SPP8057-030C	3"



UNION
(FPT x FPT)
• Viton Seal
• Max 235 PSI @ 73°F

No.	FPT x FPT
SPP898-002C	1/4"
SPP858-003C	3/8"
SPP8058-005C	1/2"
SPP8058-007C	3/4"
SPP8058-010C	1"
SPP8058-012C	1 1/4"
SPP8058-015C	1 1/2"
SPP8058-025C	2 1/2"



UNION
(SRFPT)
• Viton Seal
• Max 235 PSI @ 73°F

No.	SRFPT
SPP8058-005CSR	1/2"
SPP8058-007CSR	3/4"
SPP8058-010CSR	1"
SPP8058-012CSR	1 1/4"
SPP8058-015CSR	1 1/2"
SPP8058-020CSR	2"
SPP8058-030CSR	3"
SPP8058-040CSR	4"

1/4" CPVC NIPPLES

No.	Size
SPP880-015C	1/4" x 1 1/2"

3/8" CPVC NIPPLES

No.	Size
SPP881-060C	3/8" x 6"

1/2" CPVC NIPPLES

No.	Size
SPP882-005C	1/2" x Close
SPP882-015C	1/2" x 1 1/2"
SPP882-020C	1/2" x 2"
SPP882-040C	1/2" x 4"

3/4" CPVC NIPPLES

No.	Size
SPP883-015C	3/4" x 1 1/2"
SPP883-020C	3/4" x 2"
SPP883-025C	3/4" x 2 1/2"
SPP883-030C	3/4" x 3"
SPP883-035C	3/4" x 3 1/2"
SPP883-040C	3/4" x 4"
SPP883-045C	3/4" x 4 1/2"
SPP883-050C	3/4" x 5"
SPP883-055C	3/4" x 5 1/2"
SPP883-060C	3/4" x 6"

1" CPVC NIPPLES

No.	Size
SPP884-005C	1" x Close
SPP884-020C	1" x 2"
SPP884-025C	1" x 2 1/2"
SPP884-030C	1" x 3"
SPP884-035C	1" x 3 1/2"
SPP884-040C	1" x 4"
SPP884-045C	1" x 4 1/2"
SPP884-050C	1" x 5"
SPP884-055C	1" x 5 1/2"
SPP884-060C	1" x 6"

1 1/4" CPVC NIPPLES

No.	Size
SPP885-005C	1 1/4" x Close
SPP885-035C	1 1/4" x 3 1/2"
SPP885-040C	1 1/4" x 4"
SPP885-045C	1 1/4" x 4 1/2"
SPP885-060C	1 1/4" x 6"

1 1/2" CPVC NIPPLES

No.	Size
SPP886-005C	1 1/2" x Close
SPP886-020C	1 1/2" x 2"
SPP886-025C	1 1/2" x 2 1/2"
SPP886-030C	1 1/2" x 3"
SPP886-035C	1 1/2" x 3 1/2"
SPP886-040C	1 1/2" x 4"
SPP886-045C	1 1/2" x 4 1/2"
SPP886-050C	1 1/2" x 5"
SPP886-055C	1 1/2" x 5 1/2"
SPP886-060C	1 1/2" x 6"

2" CPVC NIPPLES

No.	Size
SPP887-005C	2" x Close
SPP887-035C	2" x 3 1/2"
SPP887-050C	2" x 5"
SPP887-055C	2" x 5 1/2"
SPP887-060C	2" x 6"

2 1/2" CPVC NIPPLES

No.	Size
SPP888-045C	2 1/2" x 4 1/2"
SPP888-050C	2 1/2" x 5"
SPP888-055C	2 1/2" x 5 1/2"
SPP888-060C	2 1/2" x 6"

3" CPVC NIPPLES

No.	Size
SPP889-005C	3" x Close

4" CPVC NIPPLES

No.	Size
SPP890-040C	4" x 4"
SPP890-045C	4" x 4 1/2"
-	4" x 5"
-	4" x 5 1/2"
-	4" x 6"

NYLON INSERT FITTINGS FOR POLY PIPE

- Nylon has good resistance to a broad range of chemicals including most agricultural chemicals, ammonium compounds, detergents, diesel fuel, ethanol, & gasoline.
- Do not use with acids
- Working pressure: 150 PSI at 70°F
- Absorbs water and swells in size when in use. When dry will shrink in size causing some fittings to leak.

NYLON INSERT MALE ADAPTER

No.	MPT x Insert
SPP8541N	1/2" x 1/2"
SPP8542N	3/4" x 3/4"
SPP8543N	1" x 1"
SPP8544N	1 1/4" x 1 1/4"
SPP8545N	1 1/2" x 1 1/2"
SPP8546N	2" x 2"

NYLON INSERT COUPLING

No.	Insert
SPP8570N	1/2" x 1/2"
SPP8571N	3/4" x 3/4"
SPP8572N	1" x 1"
SPP8573N	1 1/4" x 1 1/4"
SPP8574N	1 1/2" x 1 1/2"
SPP8575N	2" x 2"

NYLON INSERT ELBOW

No.	Insert
SPP8591N	1/2" x 1/2"
SPP8592N	3/4" x 3/4"
SPP8593N	1" x 1"
SPP8594N	1 1/4" x 1 1/4"
SPP8595N	1 1/2" x 1 1/2"
SPP8596N	2" x 2"

NYLON INSERT TEES

No.	Insert
SPP8606N	1/2" x 1/2" x 1/2"
SPP8607N	3/4" x 3/4" x 3/4"
SPP8608N	1" x 1" x 1"
SPP8609N	1 1/4" x 1 1/4" x 1 1/4"
SPP8610N	1 1/2" x 1 1/2" x 1 1/2"
SPP8611N	2" x 2" x 2"

NYLON COMBINATION ELBOW

No.	MPT x Insert
SPP8677N	1/2" x 1/2"
SPP8678N	3/4" x 3/4"
SPP8679N	1" x 1"
SPP8680N	1 1/4" x 1 1/4"
SPP8681N	1 1/2" x 1 1/2"

- PVC is a very stable material. Unlike nylon it does not absorb moisture when in use, with the resulting enlarging of the fitting.
- Pressure to 150 PSI at 73°F
- Good chemical resistance

PVC INSERT MALE ADAPTER

No.	MPT x Insert
SPP8541V	1/2" x 1/2"
SPP8542V	3/4" x 3/4"
SPP8543V	1" x 1"
SPP8544V	1 1/4" x 1 1/4"
SPP8545V	1 1/2" x 1 1/2"
SPP8546V	2" x 2"
SPP8547V	2 1/2" x 2 1/2"
SPP8548V	3" x 3"
SPP8549V	4" x 4"

PVC REDUCING MALE ADAPTER

No.	MPT x Insert
SPP8550V	3/4" x 1/2"
SPP8551V	1" x 3/4"
SPP8552V	1 1/4" x 3/4"
SPP8553V	1 1/4" x 1"
SPP8554V	1 1/2" x 1"
SPP8555V	1 1/2" x 1 1/4"
SPP8556V	2" x 1 1/2"

PVC INCREASING MALE ADAPTER

No.	MPT x Insert
SPP8558V	1/2" x 3/4"
SPP8557V	1/2" x 1"
SPP8559V	3/4" x 1"
SPP8560V	1" x 1 1/4"
SPP8561V	1" x 1 1/2"
SPP8562V	1 1/4" x 1 1/2"
SPP8563V	1 1/2" x 2"

PVC FEMALE ADAPTER

No.	FPT x Insert
SPP8711V	1/2" x 1/2"
SPP8712V	3/4" x 3/4"
SPP8713V	1" x 1"
SPP8714V	1 1/4" x 1 1/4"
SPP8715V	1 1/2" x 1 1/2"
SPP8716V	2" x 2"

PVC INSERT PLUG

No.	Insert
SPP8718V	1/2"
SPP8719V	3/4"
SPP8720V	1"
SPP8721V	1 1/4"
SPP8722V	1 1/2"
SPP8723V	2"

PVC INSERT COUPLING

No.	Insert x Insert
SPP8570V	1/2" x 1/2"
SPP8571V	3/4" x 3/4"
SPP8572V	1" x 1"
SPP8573V	1 1/4" x 1 1/4"
SPP8574V	1 1/2" x 1 1/2"
SPP8575V	2" x 2"
SPP8577V	3" x 3"
SPP8578V	4" x 4"

PVC REDUCING COUPLING

No.	Insert x Insert
SPP8579V	3/4" x 1/2"
SPP8580V	1" x 1/2"
SPP8581V	1" x 3/4"
SPP8582V	1 1/4" x 3/4"
SPP8583V	1 1/4" x 1"
SPP8584V	1 1/2" x 3/4"
SPP8585V	1 1/2" x 1"
SPP8586V	1 1/2" x 1 1/4"
SPP8587V	2" x 1"
SPP8588V	2" x 1 1/4"
SPP8589V	2" x 1 1/2"

PVC INSERT ELBOW

No.	Insert x Insert
SPP8591V	1/2" x 1/2"
SPP8592V	3/4" x 3/4"
SPP8593V	1" x 1"
SPP8594V	1 1/4" x 1 1/4"
SPP8595V	1 1/2" x 1 1/2"
SPP8596V	2" x 2"
-	2 1/2" x 2 1/2"
SPP8598V	3" x 3"

PVC REDUCING ELBOW

No.	Insert x Insert
SPP8599V	3/4" x 1/2"
SPP8600V	1" x 3/4"
SPP8601V	1 1/4" x 1"
SPP8602V	1 1/2" x 1 1/4"
SPP8603V	2" x 1 1/2"

PVC COMBINATION ELBOW

No.	FPT x Insert
SPP8689V	1/2" x 1/2"
SPP8691V	3/4" x 3/4"
SPP8694V	1" x 1"
SPP8698V	1 1/4" x 1 1/4"
SPP8701V	1 1/2" x 1 1/2"
SPP8703V	2" x 2"

PVC SWIMMING POOL ELBOW

No.	MPT x Spig
SPP8569V	1 1/2" x 1 1/4"
SPP8564V	1 1/2" x 1 1/2"

PVC SWIMMING POOL ADAPTER

No.	MPT x Spig
SPP8566V	1 1/2" x 1 1/4"
SPP8567V	1 1/2" x 1 1/2"
SPP8568V	1 1/2" x 1 1/2" x 1 1/2"

POLY COMBINATION & INCREASING ELBOW

No.	FPT x Insert
SPP8690V	1/2" x 3/4"
SPP8692V	1/2" x 1"
SPP8695V	1/2" x 1 1/4"
SPP8696V	3/4" x 1 1/4"
SPP8697V	1" x 1 1/4"
SPP8699V	1" x 1 1/2"
SPP8700V	1 1/4" x 1 1/2"
SPP8702V	1 1/2" x 2"

PVC INSERT TEES

No.	Ins x Ins x Ins
SPP8606V	1/2" x 1/2" x 1/2"
SPP8607V	3/4" x 3/4" x 3/4"
SPP8608V	1" x 1" x 1"
SPP8609V	1 1/4" x 1 1/4" x 1 1/4"
SPP8610V	1 1/2" x 1 1/2" x 1 1/2"
SPP8611V	2" x 2" x 2"
SPP8612V	3" x 3" x 3"

PVC COMBO TEES

No.	Ins x Ins x MPT
SPP8670V	1/2" x 1/2" x 1/2"
SPP8671V	3/4" x 3/4" x 3/4"
SPP8672V	1" x 1" x 1"
SPP8673V	1 1/4" x 1 1/4" x 1 1/4"
SPP8674V	1 1/2" x 1 1/2" x 1 1/2"



PVC REDUCING TEES

(Insert x Insert x Insert)

No.	Insert
SPP8616V	3/4" x 3/4" x 1/2"
SPP8617V	3/4" x 3/4" x 1"
SPP8619V	1" x 3/4" x 3/4"
SPP8620V	1" x 1" x 1/2"
SPP8621V	1" x 1" x 3/4"
SPP8622V	1" x 1" x 1 1/4"
SPP8625V	1 1/4" x 1" x 1"
SPP8627V	1 1/4" x 1 1/4" x 3/4"
SPP8628V	1 1/4" x 1 1/4" x 1"
SPP8632V	1 1/2" x 1 1/2" x 1/2"
SPP8633V	1 1/2" x 1 1/2" x 3/4"
SPP8634V	1 1/2" x 1 1/2" x 1"
SPP8635V	1 1/2" x 1 1/2" x 1 1/4"
SPP8637V	2" x 2" x 1 1/2"



PVC COMBINATION TEES

(Insert x Insert x FPT)

No.	Ins x Ins x FPT
SPP8640V	1/2" x 1/2" x 1/2"
SPP8643V	3/4" x 3/4" x 3/4"
SPP8648V	1" x 1" x 1"
SPP8654V	1 1/4" x 1 1/4" x 1 1/4"
SPP8662V	1 1/2" x 1 1/2" x 1 1/2"
SPP8667V	2" x 2" x 2"



PVC COMBINATION INSERT ELBOW

(MPT x Insert)

No.	MPT x Insert
SPP8677V	1/2" x 1/2"
SPP8678V	3/4" x 3/4"
SPP8679V	1" x 1"
SPP8680V	1 1/4" x 1 1/4"
SPP8681V	1 1/2" x 1 1/2"
SPP8682V	2" x 2"



PVC INSERT CROSS

No.	Insert
SPP8707V	3/4"
SPP8708V	1"



PVC COMBINATION AND REDUCING TEES

(Insert x Insert x FPT)

No.	Ins x Ins x FPT
SPP8642V	3/4" x 3/4" x 1/2"
-	1" x 3/4" x 3/4"
SPP8646V	1" x 1" x 1/2"
SPP8647V	1" x 1" x 3/4"
SPP8649V	1 1/4" x 1" x 1/2"
SPP8651V	1 1/4" x 1 1/4" x 1/2"
SPP8652V	1 1/4" x 1 1/4" x 3/4"
SPP8653V	1 1/4" x 1 1/4" x 1"
SPP8656V	1 1/2" x 1 1/2" x 3/4"
SPP8658V	1 1/2" x 1 1/2" x 1/2"
SPP8659V	1 1/2" x 1 1/2" x 3/4"
SPP8660V	1 1/2" x 1 1/2" x 1"
SPP8661V	1 1/2" x 1 1/2" x 1 1/4"
SPP8663V	2" x 2" x 1/2"
SPP8664V	2" x 2" x 3/4"
SPP8665V	2" x 2" x 1"
SPP8666V	2" x 2" x 1 1/2"

PVC / CPVC FITTINGS

Polypropylene Insert Fittings

- Inexpensive
- Pressure to 100 PSI at 70°F
- Excellent Chemical Resistance
- Max. Temp. 185°F at Low Pressure
- No Water Absorption



POLY MALE ADAPTER

(MPT x Insert)

No.	MPT x Insert
SPP8541	1/2" x 1/2"
SPP8542	3/4" x 3/4"
SPP8543	1" x 1"
SPP8544	1 1/4" x 1 1/4"
SPP8545	1 1/2" x 1 1/2"
SPP8546	2" x 2"



POLY INSERT ELBOW

(Insert x Insert)

No.	Insert x Insert
SPP8591	1/2" x 1/2"
SPP8592	3/4" x 3/4"
SPP8593	1" x 1"
SPP8594	1 1/4" x 1 1/4"
SPP8595	1 1/2" x 1 1/2"
SPP8596	2" x 2"



POLY COMBINATION ELBOW

(MPT x Insert)

No.	MPT x Insert
SPP8677	1/2" x 1/2"
SPP8678	3/4" x 3/4"
SPP8679	1" x 1"
SPP8681	1 1/2" x 1 1/2"



POLY INSERT COUPLING

(Insert x Insert)

No.	Insert x Insert
SPP8570	1/2" x 1/2"
SPP8571	3/4" x 3/4"
SPP8572	1" x 1"
SPP8573	1 1/4" x 1 1/4"
SPP8574	1 1/2" x 1 1/2"
SPP8575	2" x 2"



POLY INSERT TEE

(Insert x Insert x Insert)

No.	Insert
SPP8606	1/2" x 1/2" x 1/2"
SPP8607	3/4" x 3/4" x 3/4"
SPP8608	1" x 1" x 1"
SPP8609	1 1/4" x 1 1/4" x 1 1/4"
SPP8610	1 1/2" x 1 1/2" x 1 1/2"
SPP8611	2" x 2" x 2"



POLY CUTOFF NIPPLE

Can be cut to a 3" nipple

No.	Size
SPP8725	1/2" x 6"


SWAGED BRONZE ADAPTERS

No.	MPT x Insert
SPP8541B2	1/2" x 1/2"
SPP8542B2	3/4" x 3/4"
SPP8543B2	1" x 1"
SPP8554B2	1 1/4" x 1 1/4"
SPP8562B2	1 1/4" x 1 1/2"
SPP8545B2	1 1/2" x 1 1/2"
SPP8546B2	2" x 2"
SPP8547B2	2 1/2" x 2 1/2"
SPP8548B2	3" x 3"


BRONZE INSERT ELBOW

No.	Insert x Insert
SPP8592B	3/4" x 3/4"
SPP8593B	1" x 1"
SPP8594B	1 1/4" x 1 1/4"


BRONZE HYDRANT COMBINATION ELBOW

No.	MPT x Insert
SPP8676B	3/4" x 1"
SPP8679B	1" x 1"
SPP8683B	3/4" x 1" & 1 1/4"*
SPP8684B	1" x 1" & 1 1/4"*

* Inserts are stepped to fit 1" & 1 1/4" poly pipe.


GALVANIZED INSERT COUPLER

No.	Insert x Insert
SPP8570G	1/2"
SPP8571G	3/4"
SPP8572G	1"
SPP8573G	1 1/4"
SPP8574G	1 1/2"
SPP8575G	2"
SPP8576G	2 1/2"
SPP8577G	3"
SPP8578G	4"


BRONZE ADAPTER

No.	MPT x Insert
SPP8541B	1/2" x 1/2"
SPP8542B	3/4" x 3/4"
SPP8559B	3/4" x 1"
SPP8543B	1" x 1"
SPP8560B	1" x 1 1/4"
SPP8561B	1" x 1 1/2"
SPP8553B	1 1/4" x 1"
SPP8544B	1 1/4" x 1 1/4"
SPP8562B	1 1/4" x 1 1/2"
SPP8545B	1 1/2" x 1 1/2"
SPP8546B	2" x 2"


BRONZE LONG ADAPTER

No.	MPT x Insert
SPP8543BL	1" x 1"
SPP8553BL	1 1/4" x 1"
SPP8544BL	1 1/4" x 1 1/4"
SPP8545BL	1 1/2" x 1 1/2"
SPP8546BL	2" x 2"


BRONZE FEMALE ADAPTER

No.	FPT x Insert
SPP8712B	3/4"
SPP8713B	1"
SPP8714B	1 1/4"
SPP8715B	1 1/2"


BRONZE CAST HYDRANT ELBOW
 1/4" Gauge Port
 Gauge not included

No.	MPT x Insert
SPP8735B	1" x 1"
SPP8736B	3/4" x 1"


GALVANIZED INSERT ADAPTER

No.	MPT x Insert
SPP8541G	1/2" x 1/2"
SPP8542G	3/4" x 3/4"
SPP8543G	1" x 1"
SPP8544G	1 1/4" x 1 1/4"
SPP8545G	1 1/2" x 1 1/2"
SPP8546G	2" x 2"
SPP8547G	2 1/2" x 2 1/2"
SPP8548G	3" x 3"
SPP8549G	4" x 4"


BRONZE INSERT COUPLER

No.	Insert x Insert
SPP8570B	1/2" x 1/2"
SPP8571B	3/4" x 3/4"
SPP8572B	1" x 1"
SPP8573B	1 1/4" x 1 1/4"
SPP8574B	1 1/2" x 1 1/2"
SPP8575B	2" x 2"
SPP8576B	2 1/2" x 2 1/2"
SPP8577B	3" x 3"


BRONZE ROPE LUG ADAPTER

No.	MPT x Insert
SPP8543BR	1" x 1"
SPP8544BR	1 1/4" x 1 1/4"


BRONZE ADAPTER

1/4" Gauge Port
 Gauge not included

No.	MPT x Insert
SPP8730B	1" x 1"


BRONZE HYDRANT TEE

No.	Insert x Insert x MPT
SPP8669B	1" x 1" x 3/4"
SPP8672B	1" x 1" x 1"


BRONZE INSERT TEE

No.	Insert
SPP8607B	3/4"
SPP8608B	1"
SPP8609B	1 1/4"
SPP8610B	1 1/2"


#304 STAINLESS STEEL INSERTS

Standard Insert

No.	MPT	Insert
SPP8542CS	3/4"	3/4"
SPP8543CS	1"	1"
SPP8553CS	1 1/4"	1"
SPP8544CS	1 1/4"	1 1/4"


#304 STAINLESS STEEL INSERTS

Extra Long Insert

No.	MPT	Insert
SPP8543CSL	1"	1"

BOURDON TUBE - NOT FOR OXYGEN



1 1/2" DRY GAUGE

- 1/8" Brass back mount
- Painted steel case
- Acrylic window
- Bourdon tube
- Operating Temp. -40°C to 60°C
- Accuracy 3% - 2% - 3% Grade B
- Not for use with oxygen

No.	PSI	Incr.
SPPG-08-30	0-30	1/2
SPPG-08-60	0-60	1
SPPG-08-100	0-100	2
SPPG-08-160	0-160	5
SPPG-08-200	0-200	5



2" DRY GAUGE

- 1/4" Brass lower mount
- ABS Plastic case
- Acrylic window
- Not for use with oxygen
- Accuracy 3% - 2% - 3% Grade B
- Oper. Temp. -40°C to 60°C

No.	PSI	Incr.
SPPG-07-30	0-30	1/2
SPPG-07-60	0-60	1/2
SPPG-07-100	0-100	2
SPPG-07-200	0-200	2



2" DRY GAUGE

- 1/4" Center back mount
- Painted steel case
- Acrylic window
- Oper. Temp. -40°C to 60°C
- Not for use with oxygen

No.	PSI	kPa	Incr.
SPPG-10-30	0-30	0-200	1/2
SPPG-10-60	0-60	0-400	1
SPPG-10-100	0-100	0-700	2
SPPG-10-160	0-160	0-1100	5
SPPG-10-200	0-200	0-1400	5



2" DRY GAUGE

- 1/8" Lower brass mount
- Steel case
- Oper. Temp. -40°C to 60°C
- Accuracy: 3% - 2%
- Bourdon tube
- Not for use with oxygen

No.	PSI	Incr.
SPPG-14-100	0-100	2



2" DRY GAUGE

- Window: Acrylic
- Case Material: ABS/ Steel
- Mounting: Bottom
- Connection Material: Brass

No.	PSI	Material
SPP1124DAB100	0-100	Abs
SPP1124DAB200	0-200	Abs
SPP1220DSB100	0-100	Steel
SPP1220DSB200	0-200	Steel



2" DRY GAUGE

- 1/4" Lower brass mount
- Painted steel case
- Acrylic window
- Oper. Temp. -40°C to 60°C
- Accuracy: 3% - 2%
- Bourdon tube
- Not for use with oxygen

No.	PSI	Incr.
SPPG-09-15	0-15	1/4
SPPG-09-30	0-30	1/2
SPPG-09-60	0-60	1
SPPG-09-100	0-100	2
SPPG-09-160	0-160	5
SPPG-09-200	0-200	2
SPPG-09-300	0-300	10
SPPG-09-400	0-400	8
SPPG-09-600	0-600	20

Vacuum Gauge

SPPG-09-30-0	30-0-HG	1/2
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Vacuum Pressure

SPPG-09-30-30	30-0-30	1
SPPG-09-30-150	30-0-150	3



2" DRY GAUGE

- Acrylic window
- Accuracy: 3% - 2%
- Bourdon tube
- Not for use with oxygen
- 1/8" Center back mount
- Operating Temp. -40°C to 60°C

No.	PSI	Case	Incr.
SPPG-13-100	0-100	Metal	2



2 1/2" DRY GAUGE

- 1/4" Brass lower mount
- Dual scale
- Painted steel case
- Acrylic window
- Accuracy: 3% - 2% Grade B
- Bourdon tube
- Operating Temp. -40°C to 60°C

No.	PSI	kPa	Incr.
SPPG-11-15	0-15	0-100	1/5
SPPG-11-30	0-30	0-200	1/2
SPPG-11-60	0-60	0-400	1
SPPG-11-100	0-100	0-700	1
SPPG-11-160	0-160	0-1100	5
SPPG-11-200	0-200	0-1400	2
SPPG-11-300	0-300	0-2100	5
SPPG-11-400	0-400	0-2800	10
SPPG-11-600	0-600	0-4000	10



2" DRY GAUGE

- 1/4" Brass center back mount
- Plastic case
- Window glass
- Oper. Temp. -40°C to 60°C
- Accuracy: 3% - 2% Grade B
- Bourdon tube
- Not for use with oxygen

No.	PSI	Incr.
SPPG-19-60	0-60	1

4" DRY GAUGE



- 1/4" Copper lower mount
- Painted steel case
- Acrylic window
- Oper. Temp. -20°C to 60°C
- Accuracy: ±1-1/2 %
- Bourdon tube
- Dual range
- Not for use with oxygen

No.	PSI	kPa	Incr.
SPPG-15-30	0-30	0-200	1/2
SPPG-15-60	0-60	0-400	1
SPPG-15-100	0-100	0-700	1
SPPG-15-160	0-160	0-1100	2
SPPG-15-200	0-200	0-1400	2
SPPG-15-300	0-300	0-2100	5
SPPG-15-400	0-400	0-2800	5
-	0-600	0-4000	10



4 1/2" CONTRACTOR GAUGE

- Bourdon tube
- Readjustable pointer
- Window: clear acrylic
- Accuracy: ±1% Full Scale - Exception - 3000 over ± 2%
- 1/4" Copper alloy lower mount
- 304 Stainless steel case & bezel
- Gauges 15 to 600 PSI Threaded for restrictor screw (Not Included)
- Gauges 1000+ PSI have restrictor screw
- Operating Temp. -20°C to 60°C

No.	PSI	kPa	Incr.
SPPG-01-15	0-15	0-100	0.2
SPPG-01-30	0-30	0-200	0.5
SPPG-01-60	0-60	0-400	1
SPPG-01-100	0-100	0-700	1
SPPG-01-160	0-160	0-1100	2
SPPG-01-200	0-200	0-1400	2
SPPG-01-300	0-300	0-2100	5
SPPG-01-400	0-400	0-2800	5
SPPG-01-600	0-600	0-4000	10
SPPG-01-1000	0-1000	0-7000	20

2 1/2" LIQUID FILLED GAUGE



- Use when vibrations or pulsation is a problem
- 1/4" Center back mount
- 304 Stainless Steel case
- Bourdon tube
- Window: clear acrylic
- Temp: -40°C to 60°C
- Gauges 1000+ PSI have restrictor screw
- Accuracy: 1.5% Full Scale

No.	PSI	kPa	Incr.
SPPG-18-15	0-15	0-100	1/5
SPPG-18-30	0-30	0-200	1/2
SPPG-18-60	0-60	0-400	1
SPPG-18-100	0-100	0-700	2
SPPG-18-160	0-160	0-1100	2
SPPG-18-200	0-200	0-1400	5
SPPG-18-300	0-300	0-2100	5
SPPG-18-400	0-400	0-2800	10
SPPG-18-600	0-600	0-4000	10
SPPG-18-1000	0-1000	0-7000	20
SPPG-18-1500	0-1500	0-10000	20
SPPG-18-2000	0-2000	0-14000	50
SPPG-18-3000	0-3000	0-21000	50
SPPG-18-5000	0-5000	0-35000	100
SPPG-18-10000	0-10000	0-70000	200
SPPG-27-100	0-100	0-700	-
Vacuum Gauge			
SPPG-18-30-OHG	30-OHG	-	-
Vacuum / Pressure Gauge			
SPPG-18-30-0-30	30-0-30	-	-
SPPG-18-30-0-150	30-0-150	-	-

4" LIQUID FILLED GAUGE



- 1/4" Lower mount
- Stainless Steel case
- Use when vibrations or pulsation occurs
- Accuracy: 1.5 % Full scale
- Connection 1/4" copper alloy. Window: clear acrylic
- Temp: -20°C to 60°C
- Gauges 1000+ PSI have restrictor screw
- Bourdon Tube

No.	PSI	kPa	Incr.
SPPG-17-15	0-15	0-100	1/5
SPPG-17-30	0-30	0-200	1/2
SPPG-17-60	0-60	0-400	1
SPPG-17-100	0-100	0-700	2
SPPG-17-160	0-160	0-1100	2
SPPG-17-200	0-200	0-1400	5
SPPG-17-300	0-300	0-2100	5
SPPG-17-400	0-400	0-2800	10
SPPG-17-600	0-600	0-4000	10
SPPG-17-1000	0-1000	0-7000	20
SPPG-17-1500	0-1500	0-10000	20
SPPG-17-2000	0-2000	0-14000	50
SPPG-17-3000	0-3000	0-21000	50
SPPG-17-5000	0-5000	0-35000	100
SPPG-17-10000	0-10000	0-70000	200

No.	Des.
SPP4154GXX60	60 Psi, 4" Bottom Mount
SPP77548	5000 Psi, 1/4" Bottom Mount

2 1/2" DRY GAUGE



- Movement: Brass
- Pointer: Black enameled aluminum
- Dial: White aluminum
- Connection size: 1/4" MNPT
- Wetted Parts: Cooperalloy
- 304 Stainless Steel Case
- Acrylic window
- Accuracy: 3% - 2% Grade B
- Bourdon tube

These gauges are designed for use with any medium not corrosive to brass or bronze. Liquid-filled gauges are recommended for reducing shock caused by pressure fluctuations or vibration. Liquid-filled is standard.

No.	PSI
SPP2141GXB100	0-100
SPP2141GXB1000	0-1000
SPP2141GXB200	0-200
SPP2141GXB400	0-400
SPP2141GXB5000	0-5000
SPP2141GXB600	0-600

ALL STAINLESS STEEL CASE & WETTED PARTS FOR USE WITH AMMONIA OR OXYGEN 2 1/2" LIQUID FILLED GAUGE For use with Ammonia or Oxygen

2 1/2" LIQUID FILLED GAUGE For use with Ammonia or Oxygen



- 1/4" Lower mount
- All Stainless Steel
- Acrylic window
- Temp: -40°C to 60°C
- Bourdon tube
- Dual scale

No.	PSI	kPa	Incr.
SPPG-03-15	0-15	0-100	1
SPPG-03-30	0-30	0-200	1/2
SPPG-03-60	0-60	0-400	1
SPPG-03-100	0-100	0-700	2
SPPG-03-160	0-160	0-1100	2
SPPG-03-200	0-200	0-1400	5
SPPG-03-300	0-300	0-2100	5
SPPG-03-400	0-400	0-2800	20
SPPG-03-1000	0-1000	0-7000	20
SPPG-03-1500	0-1500	0-10000	20
SPPG-03-2000	0-2000	0-14000	50
SPPG-03-3000	0-3000	0-21000	50
SPPG-03-5000	0-5000	0-35000	100
SPPG-03-10000	0-10000	0-70000	200
Vacuum / Pressure Gauge			
SPPG-03-30-30	30-30	-	2
Vacuum Gauge			
SPPG-03-30-0	30-0	-	1

2 1/2" LIQUID FILLED GAUGE For use with Ammonia or Oxygen



- 1/4" Center back mount
- 304 stainless steel case
- Acrylic window
- Bourdon tube
- Dual scale
- Temp: Ambient -40°C to 60°C
- 316 SS wetted parts

No.	PSI	kPa	Incr.
SPPG-04-15	0-15	0-100	1
SPPG-04-30	0-30	0-200	1/2
SPPG-04-60	0-60	0-400	1
SPPG-04-100	0-100	0-700	2
SPPG-04-160	0-160	0-1100	2
SPPG-04-200	0-200	0-1400	5
SPPG-04-400	0-400	0-2800	20
SPPG-04-600	0-600	0-4000	10
SPPG-04-1000	0-1000	0-7000	20
SPPG-04-1500	0-1500	0-10000	20
SPPG-04-2000	0-2000	0-14000	50
SPPG-04-3000	0-3000	0-21000	50
SPPG-04-5000	0-5000	0-35000	100
SPPG-04-10000	0-10000	0-70000	200
Vacuum / Pressure Gauge			
SPPG-04-30-30	30-30	-	2



2 1/2" LIQUID GAUGE

- Window: glass
- Bourdon tube
- 1/4" Brass lower mount
- 304 Stainless Steel case
- Temp: Ambient -20°C to 60°C

No.	PSI	Incr.
SPP85.300.060	60	2
SPP85.300.100	100	2
SPP85.300.160	160	2
SPP85.300.200	200	5
SPP85.300.300	300	10
SPP85.300.600	600	20
SPP85.301.000	1000	20
SPP85.302.000	2000	50
SPP85.303.000	3000	100
SPP85.305.000	5000	200



2" LIQUID GAUGE

- 1/4" Brass lower mount
- Black steel case
- Window: clear acrylic
- Temp: -40°C to 60°C
- Bourdon tube

No.	PSI
SPPG-02-30	0-30
SPPG-02-60	0-60
SPPG-02-100	0-100
SPPG-02-160	0-160
SPPG-02-200	0-200
Vacuum / Pressure	
SPPG-02-30-0-30	30-0-30



2 1/2" LIQUID GAUGE

- 1/4" Lower mount
- Bourdon Tube
- Stainless Steel Case
- Temp: -40°C to 60°C
- Window: Clear acrylic
- Connection 1/4" copper alloy

No.	PSI	kPa	Incr.
SPPG-16-15	0-15	0-100	1/5
SPPG-16-30	0-30	0-200	1/2
SPPG-16-60	0-60	0-400	1
SPPG-16-100	0-100	0-700	2
SPPG-16-160	0-160	0-1100	2
SPPG-16-200	0-200	0-1400	5
SPPG-16-300	0-300	0-2100	5
SPPG-16-400	0-400	0-2800	20
SPPG-16-600	0-600	0-4000	10
SPPG-16-1000	0-1000	0-7000	20
SPPG-16-1500	0-1500	0-10000	20
SPPG-16-2000	0-2000	0-14000	50
SPPG-16-3000	0-3000	0-21000	50
SPPG-16-4000	0-4000	0-28000	100
SPPG-16-5000	0-5000	0-35000	100
SPPG-16-10000	0-10000	0-70000	200
Vacuum Gauge			
SPPG-16-30-OHG	30-OHG	-	1/2
Vacuum / Pressure Gauge			
SPPG-16-30-0-30	30-0-30	-	2/1
SPPG-16-30-0-150	30-0-150	-	10/5
Elite Brass Series Pressure Gauge			
SPPG-27-5000	0-5000	-	5

AMMONIA GAUGES



- 2 1/2" Dial
- 304 Stainless Steel tube, internals and stem
- Enameled steel case

No.	PSI
SPPASG60	0-60
SPPASG160	0-160
SPPASG400	0-400

AMMONIA GAUGES



- 4" Dial
- 304 Stainless Steel tube, internals and stem
- Enameled steel case

No.	PSI
SPPASG604	0-60
SPPASG1604	0-160

2 1/2" DRY GAUGE



- 1/4" Bottom mount
- 304 Stainless Steel case
- 316 Stainless Steel wetted parts
- Acrylic window
- Accuracy: 1.59 % full scale
- Temp: Ambient -40°C to 60°C; Media: Max 100°C
- Bourdon tube
- Dual scale

No.	PSI	kPa	Incr.
SPPG-05-15	0-15	0-100	1/5
SPPG-05-30	0-30	0-200	1/2
SPPG-05-60	0-60	0-400	1
SPPG-05-100	0-100	0-700	2
SPPG-05-160	0-160	0-1100	2
SPPG-05-200	0-200	0-1400	5
SPPG-05-300	0-300	0-2100	5
SPPG-05-400	0-400	0-2800	10
SPPG-05-600	0-600	0-4000	10
SPPG-05-1000	0-1000	0-7000	20
SPPG-05-1500	0-1500	0-10000	20
SPPG-05-2000	0-2000	0-14000	50
SPPG-05-3000	0-3000	0-21000	50
SPPG-05-5000	0-5000	0-35000	100
SPPG-05-10000	0-10000	0-70000	200
Vacuum Gauge			
SPPG-05-30-30	30-30	-	2
Vacuum / Pressure Gauge			
SPPG-05-30-0	30-0	-	1

2 1/2" DRY GAUGE



- For use with ammonia
- 1/4" Center back mount
- 304 Stainless Steel case
- 316 Stainless Steel wetted parts
- Acrylic window
- Accuracy: 1.59 % full scale
- Temp: Ambient -40°C to 60°C; Media: Max 100°C
- Bourdon Tube
- Dual scale

No.	PSI	kPa	Incr.
SPPG-06-30	0-30	0-200	1/2
SPPG-06-60	0-60	0-400	1
SPPG-06-100	0-100	0-700	2
SPPG-06-160	0-160	0-1100	2
SPPG-06-200	0-200	0-1400	5
SPPG-06-300	0-300	0-2100	5
SPPG-06-600	0-600	0-4000	10
SPPG-06-1000	0-1000	0-7000	20
SPPG-06-1500	0-1500	0-10000	20
SPPG-06-2000	0-2000	0-14000	50
SPPG-06-3000	0-3000	0-21000	50
SPPG-06-10000	0-10000	0-70000	200
Vacuum Gauge			
SPPG-06-30-30	30-30	-	2
Vacuum			
SPPG-06-30-0	30-0	-	1

GAUGE ACCESSORIES

TEEJET GAUGE ISOLATOR



- Used to provide insurance against chemical exposure to the pressure gauge as well as the workplace
- Typical installation: Mounting in the pressure line outside the cab of tractor
- Viton and acetal internal parts
- Requires glycerin or transmission fluid (not included)

No.	FPT
SPP22470A-1/8	1/8"
SPP22470A-1/4	1/4"

REDUCING COUPLER



- Used to reduce 1/4" gauge connections to 1/8"

No.	Size
SPP120R-1418	1/4" x 1/8"

FACE PLATE



- For 2 1/2" dial
- Back mount only

No.	Size
SPPG-25-F	2 1/2"

- Roundup Ready - stainless steel shaft, stainless steel wear ring, and thermoplastic impeller with stainless steel insert
- New Generation Hydraulic Motor Seal - operates at higher back pressures of today's tractors
- Separate Motor and Pump Shafts - allows quick and easy maintenance

Cast iron straight centrifugal pump driven by a hydraulic motor with integral needle valve. Maximum pressure 100 PSI at 4600 RPM and 75 GPM at open discharge. Equipped with restrictor orifice. FPT ports.



FMC-HYD-204

0GPM	15GPM	30GPM	45GPM	60GPM	75GPM
100PSI	95PSI	83PSI	55PSI	30PSI	10PSI
80PSI	75PSI	70PSI	45PSI	25PSI	5PSI
60PSI	55PSI	50PSI	35PSI	15PSI	-

No.	Mfg. No.	Motor	In	Out
SPPFMC-HYD-204	FMC-HYD-204	4 GPM	1 1/4"	1"
SPPFMC-HYD-310	FMC-HYD-310	24 GPM	1 1/4"	1"
SPPFMC-HYD-204-CI	FMC-HYD-204-CI	13 GPM		
SPPFMC-HYD-210	FMC-HYD-210	10 GPM	1 1/4"	1"

FMC-150FS-HYD-206



FMC-150-HYD-206

Centrifugal pump driven by a 7 GPM hydraulic motor with integral needle valve. Maximum pressure 120 PSI at 5100 RPM and 120 GPM at open discharge. Equipped with restrictor orifice. Available in cast iron or stainless steel.

0GPM	40GPM	60GPM	80GPM	100GPM	120GPM
120PSI	116PSI	112PSI	110PSI	88PSI	53PSI
100PSI	97PSI	92PSI	84PSI	74PSI	46PSI
80PSI	75PSI	70PSI	61PSI	52PSI	20PSI
60PSI	57PSI	52PSI	43PSI	29PSI	-

No.	Ports	In	Out
SPPFMC-150-HYD-206	FPT	1 1/2"	1 1/4"
SPPFMC-150F-HYD-206	Flange	220	200
SPPFMC-150FS-HYD-206	Flange	220	200



FMC-200-HYD-210

Cast iron straight centrifugal pump driven by a 10 GPM hydraulic motor with integral needle valve. Maximum pressure 80 PSI at 4400 RPM and 180 GPM at open discharge. Equipped with restrictor orifice.

0GPM	60GPM	90GPM	120GPM	150GPM
80PSI	77PSI	74PSI	68PSI	58PSI
60PSI	56PSI	53PSI	47PSI	40PSI
40PSI	39PSI	34PSI	29PSI	-

No.	Ports	In	Out
SPPFMC-200-HYD-210	FPT	2"	1 1/2"
SPPFMC-200-HYD-310-SI	FPT	2"	1 1/2"
SPPFMCSC-200F-HYD-304		300 Flange x 220 Flange	

FMC-200F-HYD-304



FMC-200-HYD-304

Cast iron straight centrifugal pump driven by a 11 GPM hydraulic motor with integral needle valve. Maximum pressure 120 PSI at 5100 RPM and 200 GPM at open discharge. Equipped with restrictor orifice.

0GPM	40GPM	80GPM	120GPM	160GPM
120PSI	114PSI	100PSI	85PSI	65PSI
100PSI	92PSI	83PSI	68PSI	52PSI
80PSI	76PSI	68PSI	57PSI	43PSI
60PSI	56PSI	50PSI	40PSI	-

No.	Ports	In	Out
SPPFMC-200-HYD-304	FPT	2"	1 1/2"
SPPFMC-200F-HYD-304	Flange	300	220
SPPFMC-200F-HYD-304-12SAE		Ace 304 Hydraulic Driven Cast Iron Pump with 300 Flange Suction x 220 Flange Discharge	
SPPFMC-200-HYD-300-LM		Ace Centrifugal Pump (Less Motor)	
SPPFMC-200-HYD-310	FPT	2"	1 1/2"

EASILY IMPLEMENT A PWM CONTROL SYSTEM ON YOUR EQUIPMENT

- Four new pumps with integrated Pulse Width Modulated (PWM) control
- For use on all closed-center hydraulic systems
- Compatible with popular PWM controllers using industry standard Deutsch controller
- Provides quick rate changes for both constant and variable rate applications
- Pump runs only as fast as needed, minimizing horsepower required and extending pump life
- Two valve design prevents overspeeding while improving linearity of control curve



- Designed for starter fertilizer and small sprayer applications
- Replacement for 12V diaphragm pumps and roller pumps
- All Polypropylene corrosion resistant construction
- Max. 27 GPM • Max. 100 PSI

No.	Motor	In	Out
SPPFMC-75-HYD-204	4 GPM	1"	3/4"
SPPFMC-75-HYD-206	7 GPM	1"	3/4"



- Severe duty silicon-carbide shaft seal standard with o-ring seat for improved survivability
- 316 stainless steel housing
- FPT ports & flanged connections
- Larger bearings for extended life
- Max. 145 GPM • Max. 120 PSI

No.	In	Out
SPPFMCSC-155FS-HYD-304	220 & 1 1/2" FPT	200 & 1 1/4" FPT
-	220 & 1 1/2" FPT	200 & 1 1/4" FPT



FMC-650-HYD

- Durable e-coat finish provides extra corrosion resistance on inside & outside surfaces
- Impellers designed to develop higher pressure at lower RPM
- Splined motor to pump shaft connection for strength and ease of repair & maintenance
- Max. 160 PSI

No.	Max GPM	In	Out
SPPFMC-650-HYD	140	1 1/2" FPT	1 1/4" FPT
SPPFMC-650F-HYD	170	220 & 1 1/2" FPT	200 & 1 1/4" FPT
SPPFMC-650FS-HYD	170	Ports as above, 316 SS	



The WS-650 MAX, 750 MAX and 855 MAX pump models feature our Oasis™ WetSeal Technology. The dual shaft seals run in a pressurized barrier fluid which is specially formulated for seal face lubrication and heat dissipation. The liquid being pumped never comes into contact with the seal surfaces so abrasive wear failures are prevented. Additionally, the buffer fluid lubricates and cools the seal faces even when run dry to eliminate costly failure.

650 Max Series



- Pressure balanced impeller eliminates thrust load on bearings.
- Hydraulic motor case drain option for extended seal life on engineered systems.
- Separate motor and pump shafts for easy maintenance.

- Suction: 220 Flange & 1½" FPT
- Max. Flow 170 GPM (644 LPM)
- Oversized Bearings
- Tall Blade Impeller design develops higher pressure at lower RPM.
- High Efficiency 4000 PSI (275 BAR) Pressure Plated Gear Motor
- FS model has a 316 stainless steel wet end including impeller, volute, and seal plate with standard full-port flanged connections
- Discharge: 200 Flange & 1¼" FPT
- Max. Pressure 160 PSI (11 BAR)
- E-coat Corrosion Protection

- Part No. SPPFMCWS-650F-HYD**
- Part No. SPPFMCWS-650FS-HYD**
- Part No. SPPFMCWS-CW-650**

The M22 motor requires 18 GPM maximum hydraulic fluid input.
Recommended for:

- Pressure Compensating Closed Center Systems
- Load Sensing Closed Center Systems
- Open Center Systems up to 18 GPM (68.1 LPM)
- Max Pressure: 150 PSI
- Max Flow: 290 GPM

The M25 motor requires 20 GPM maximum hydraulic fluid input.
Recommended for:

- Pressure Compensating Closed Center Systems
- Load Sensing Closed Center Systems
- Open Center Systems up to 20 GPM (75.7 LPM)
- Max Pressure: 150 PSI
- Max Flow: 290 GPM

The M30 motor requires 23 GPM maximum hydraulic fluid input with #6 SAE case drain port and is standard on the 855 MAX pump.
Recommended for:

- Pressure Compensating Closed Center Systems
- Load Sensing Closed Center Systems
- Open Center Systems up to 23 GPM (87 LPM)
- Max Pressure: 150 PSI
- Max Flow: 345 GPM

750 Max Series



**300 Flange In
220 Flange Out**

No.
SPPFMC-750F-HYD-M25

855 Max Series



**300 Flange In
300 Flange Out**

No.
SPPFMC-855F-HYD



OASIS RESERVOIR

- Use with all Oasis WetSeal™ Technology Pumps.
- Excellent visibility and easy service regardless of the pump location.
- Provides extra barrier fluid for extended service intervals.
- Connect air supply to machine air or charge manually.
- Regulator assures ideal air pressure at all times.

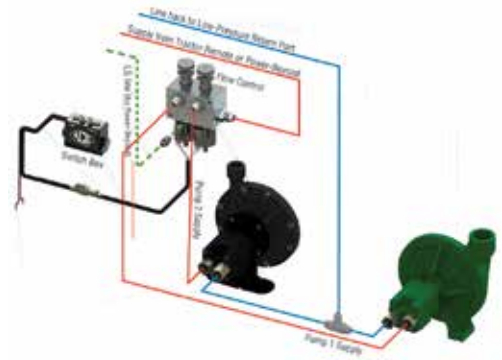
Part No. SPPOASIS-RES

GEMINI DUAL PUMP KIT



Part No. SPPDPK

- Operate two pumps independently
- Supply oil from one tractor remote or power beyond circuit
- Use on tractors with Load Sensing (LS) or Pressure Compensated (PC) hydraulic systems
- Two modes of operation:
 - » Manual mode - independent on/off operation from cab with independent manual flow adjustment at the hydraulic manifold
 - » PWM mode - independent pump regulation and on/off with PWM signal from controller
- Operates any combination of ace pumps equipped with 204 or 206 motor



Kit Includes: 15' switch box assembly, 12' implement wire harness, Valve manifold, Hydraulic return tee & adapter for Load Sense port.

ACE HYDRAULIC MOTOR DRIVEN CENTRIFUGAL PUMPS



- Suction 220 Flange & 1-1/2" NPT
- Discharge 200 Flange & 1-1/4" NPT
- Recommended for use on the following Hydraulic Systems:
 - Pressure Compensating Closed Center
 - Load Sensing or Pressure Flow Compensating Closed Center
 - Open Center up to 16 GPM (60.6 LPM)
- Integral Needle Valve bypasses up to 9 GPM (34 LPM) on Open Center Systems
- Standard Viton® Carbon/Ceramic seal or Optional Severe Duty Silicon Carbide Mechanical Seal
- Chemical Resistant Valox® or Optional Cast Iron or Polypropylene Impeller
- Stainless Steel Shaft and Wear Ring

No.	Description
SPPFMCSC-150F-HYD-206	1-1/2" x 1-1/4" Flange, SC Seal
SPPFMCSC-150F-HYD-206N	1-1/2" x 1-1/4" Flange, SC Seal



- Severe duty silicon-carbide shaft seal SC standard with o-ring seat for improved survivability.
- 316 stainless steel housings with NPT ports and industry standard flanged connections.
- Larger bearings for extended life.
- Provides higher pressure and greater volume for applications with large tanks and longer spray booms.
- The 304 motor requires 11 GPM (41.6 LPM) maximum hydraulic fluid input.
- Recommended for:
 - Pressure Compensating Closed Center Systems
 - Load Sensing Closed Center Systems
 - Open Center Systems up to 20 GPM (75.7 LPM) using internal needle valve bypass

No.	Description
SPPFMCSC-155FS-HYD-304	1-1/2" x 1-1/4" Flanged, SC Seal

- Suction 1-1/4" NPT x Discharge 1" NPT
- -204 motor requires 4 GPM (15.1 LPM) hydraulic flow on PC Closed and Open Center Systems
- Integral Needle Valve bypasses up to 9 GPM (34 LPM) on Open Center Systems
- Standard Viton® Carbon/Ceramic seal or Optional Severe Duty Silicon Carbide Mechanical Seal
- Chemical Resistant Valox® or Optional Cast Iron Impeller
- Stainless Steel Shaft and Wear Ring



No.	Description
SPPFMCSC-HYD-204-CI	1-1/4" x 1" Silicone Carbide Seal

GE-75-HONDA



- Tall blade impeller design for higher pressure at standard engine speeds
- GE-75 impeller attaches directly to 5/8" keyed shaft engine
- Polypropylene corrosion resistant construction
- Ports : 1" In, 3/4" Out

No.	Engine	Max PSI	Max GPM
SPPGE-75-HONDA	3 HP Honda	70	25
SPPGE-75-LE	n/a	70	25

GE-660-HONDA



- All iron construction
- 5.5 HP Honda engine
- Impeller attaches directly to 3/4" keyed shaft

GE-660-HONDA

No.	In	Out	Max PSI	Max GPM
SPPGE-660-HONDA	1 1/2"	1 1/4"	120	110
Pump Only Models				
SPPGE-650-LE	for 5/8" Shaft			110
SPPGE-660-LE	for 3/4" Shaft			110

GE-800-HONDA



- Suction 2" Discharge 1-1/2"
- Maximum Pressure 140 PSI and Maximum Flow 140 GPM
- Impeller attaches directly to 1"-14 NF threaded shaft on Honda or Briggs & Stratton engine 8 to 10 HP
- Stainless Steel Shaft Sleeve with double "O" ring leak protection

No.	Engine	Max PSI	Max GPM
SPPGE800-HONDA	Pull Start	140	140

GE-860-HONDA



- Suction 2" Discharge 1-1/2"
- Maximum Pressure 140 PSI and Maximum Flow 140 GPM
- Impeller attaches directly to 1" keyed shaft on these engines: Honda GX240(8HP) and GX270(9HP) engines with Q-type shaft Briggs 8HP and 10HP Intek Pro and Power Built engines with 690173 shaft
- Large vent area between pump and engine
- Optional electric start engine

No.	Engine	Max PSI	Max GPM
SPPGE860-HONDA	Pull Start	140	140
SPPGE-860-HONDA-ES	Electric Start	140	250
SPPGE-860-LE	Pump Only		

ACE BELT DRIVEN CENTRIFUGAL PUMPS

- "MAG-D" 12 volt DC magnetic clutch is driven by a v-belt from the engine drive shaft. The clutch is idle until engaged by an on-off toggle switch
- Counter-clockwise rotation when facing shaft end
- Chemical resistant Valox® Impeller
- 58 ft. lb. (78.6 NM) torque capacity
- E-coated for maximum corrosion protection
- Two bearings with high temperature, long life grease
- Stainless Steel shaft and wear ring
- Standard Viton® Carbon/Ceramic seal
- Forged machined pulley for maximum strength
- High temperature epoxy coil
- 5/8" shaft
- Solid forged rotor to maximize torque
- Single or double belt drive
- 4 3/4" (12.1 CM) pitch diameter



- Max. 70 GPM
- Max. 170 PSI
- Max. 4.2 HP
- 1 1/4" Suction
- 1" Discharge

No.	Description
SPPFMC	Less clutch



- Max. 130 GPM
- Max. 130 PSI
- Max. 10 HP
- 1 1/2" Suction
- 1 1/4" Discharge

No.	Description
SPPFMC-150	FMC-150 Less clutch
SPP70131	FMC-150-MIA Pump Only
SPPFMC-150-MAG-D	With mag clutch



- Max. 200 GPM
- Max. 120 PSI
- Max. 7.5 HP
- 2" Suction
- 1 1/2" Discharge

No.	Description
SPPFMC-200	Less clutch
SPPFMC-200-MAG-D	With Mag Clutch
SPPFMC-200F-MAG-DX	With Mag Clutch

Clockwise Rotation

- Max. 80 GPM, 120 PSI
- 1 1/2" Suction, 1 1/4" Discharge
- Max. 4.7 HP

No.	Description
SPPFMC-CW-150	Less clutch
SPPFMC-CW-150-MAG-D	with Mag Clutch

- Suction 2", Discharge 1-1/2"
- For High Volume Applications: Capacity to 180 GPM

No.	Description
SPPFMC-CW-200	Less clutch

150 SERIES HIGH PERFORMANCE



- Allows applicator to save fuel by operating at lower engine speeds and still maintain adequate spraying pressure.
- 100 PSI - 40 GPM at 600 or 1000 RPM
- Stainless steel wear ring and shaft
- Viton seals
- Fully guarded
- 10 Groove Pulley
- Ports 1½" x 1¼"
- Cast Iron
- Ready for use with Roundup

No.	Model Number	Max GPM	Max PSI	Max RPM	Description
SPPPTOC-150-600-B	PTOC-150-600-B	100	100	540	1" Stub shaft & integral mounting base, use with 540 RPM tumblerod shaft
SPPPTOC-150-1000-21SP	PTOC-150-1000-21SP	100	100	1000	Direct mounting on 21 spline, 13/8" 1000 RPM shaft w/ locking collar
SPPPTOC-150-1000-B	PTOC-150-1000-B	100	100	1000	1" Stub shaft & integral mounting base, use with 1000 RPM tumblerod shaft

ACE PTO PUMPS REPLACEMENT PARTS / KITS

ACE PTOC-150-600/1000 PUMP REPAIR PARTS

No.	Mfg. No.	Description	Belt Size
Ace PTOC-610/1000 Pump Repair Kits			
SPP40620	BAC-28-10-M	Belt	31" ID



ACE PUMP REPLACEMENT PARTS / KITS

REPLACEMENT MOTORS

- Coupling and cap screws not included

No.	Description
SPPBAC-75-HYD-210	210 Hydraulic motor for: (BAC-75-HYD-210) FMC-HYD-210, FMCL-HYD-210
SPPBAC-75-HYD-M30	Motor: Hydraulic; Gear
SPPBAC-75-HYD-204	BAC-75-HYD-204 Motor
SPPBAC-75-HYD-206	ACE 7 GPM Hyd Motor w/ Ftngs
SPPBAC-75-HYD-304	BAC-75-HYD-304 Motor
SPPBAC-7SC	Repair Kit Includes: Silicon Carbide Mechanical Seal and O-Ring
SPPBAC-7V	Seal Assy, 5/8", Viton/Carbon/Ceramic
SPPBAC-26-150-P	Impeller, Keyway, Thermoplastic
SPPBAC-26-200-P	40434 Thermoplastic Impeller
SPP70729	RK-BAC-75-HYD-300-L Repair Kit



REPLACEMENT PUMPS FOR HYDRAULIC DRIVEN UNITS

- Pump does not include coupler and cap screws

No.	Description
SPPFMC-150-HYD-LM (049921)	Pump only for No. 6750 (FMC-150-HYD-206) hydraulic driven pumps units. Ports: 1½" FPT suction x 1¼" FPT discharge
(048942)	Pump only for No. 6743 (FMC-200-HYD-210) and No. 6742 (FMCL-200-HYD-210) hydraulic driven pump units.

FMC & FMCL REPAIR KITS

No.	Mfg. No.	Description
SPP52700	RK-FMC	Pump repair kit - all models except pumps with grease fitting
SPPRK-FMC	RK-FMC	Repair Kit Assy Includes: Viton Mechanical Seal and O-Ring
SPPRK-FMC-150	RK-FMC	Pump repair kit Repair Kit for FMC-150 Series
SPPRK-FMCSC-150		Repair Kit Silicone Carbide S
SPPRK-GE-75		Rep Kit Seals, Orings

MOTOR SEAL KITS

No.	Mfg. No.	Motor No.
SPPRK-BAC-75-HYD-L	RK-BAC-75-HYD-L	202, 203, 204, 206, 210-L
SPPRK-BAC-75-HYD	RK-BAC-75-HYD	Repair Kit Includes: Shaft Seal, Seal Support Spacer, and Motor-Quad Ring
SPPRK-BAC-75-HYD-310	RK-BAC-75-HYD-310	310



ACE PUMP Replacement Serpentine Poly V Belt
Part No. SPPBAC-28-10M-150

DELAVAN 6900C CAST IRON 6-ROLLER PUMP

- Port Sizes: 3/4" FNPT
- Pump Shaft Rotation CCW
- 5/8" Solid Stainless Steel Shaft

No.	Max GPM	Max PSI	Max Speed
SPP6900C	20	300	1200 RPM
SPP6901C	10.5		1000 RPM
SPP7900C	22.5	200	850 RPM
SPP70000	9.2	150	4 Roller Pump



6 Roller PTO Pump Kit
6 spline, 540 PTO

Part No. SPWWP6RC

6900DSS DIAMOND ROLLER PUMP

Part No. SPP6900DSS



NOTE: These recommendations are to be used as a general guide only. Material options for rollers and seals are listed in order of recommendation for usage. For recommendations on specific chemicals or applications, consult Hypro on their toll free line 1-800-445-8360.

FOR WEED CONTROL CHEMICALS: Emulsions, soluble powders, sodium arsenate. (NOTE: For weed control chemicals, such as Round-up®, containing Glyphosate or other acidics, use only Silvercast pump with Super or Polypropylene rollers and Viton Seals. Teflon rollers may be used up to 100 PSI.)

FOR INSECT CONTROL: Using emulsions not containing aromatic solvents.

Use Silvercast, Ni-Resist, or Cast Iron Pumps; Super Rollers; Viton or Buna-N seals.

FOR BRUSH CONTROL: Heavy duty sprays using oil for a carrier.

FOR PEST CONTROL CHEMICALS, FUMIGANTS, ETC: This category or use includes mosquito sprays, termite control liquids, nematocides, soil and grain fumigants where any of the following chemicals are present: Pentachlorophenol, Xylene, Xylol, Benzene. Fumigants containing: Ethylene Dichloride, Ethylene Dibromide, Carbon Tetrachloride, Perchlorethylene, Trichlorethylene, Methyl Bromide, and other aromatic solvents.

Use Silvercast, Ni-Resist, or Cast Iron Pumps with Nylon rollers; Viton or Leather seals.

FOR LIQUID FERTILIZERS: Up to 32% Nitrogen content, or others if liquid at atmospheric pressure and temperature handled.

Use Silvercast or Ni-Resist pump with Polypropylene rollers and Buna-N seals.

FOR POWDERED FERTILIZERS: dissolved in water (greenhouse plant food). **FOR PUMPING** large quantities of plain water.

FOR SPRAYING with wettable powder sprays. **OTHER** heavy abrasive powders in suspension:

Use Silvercast, Ni-Resist or Cast Iron pump; Super, Rubber, or Polypropylene rollers and Buna-N or Viton seals.

(NOTE: Limit pressure to 100 PSI when using rubber rollers or wettable powders)

FOR ACIDS: Mild sulfuric acid for spraying. For mild muriatic acid, inhibited muriatic, etc.

Use Silvercast Pump; Viton seals; Polypropylene or Teflon rollers and 303 stainless steel shaft.

(NOTE: Limit pressure to 100 PSI when using Teflon rollers.)

HYPRO 4000 SERIES FOUR ROLLER PUMPS



- Max. 150 PSI
- Port Size: 3/4" FPT
- Max. Fluid Temp. 140°F
- Pump shaft rotations: CW (CCW available)
- Rollers: Super Standard (Poly Teflon and Buna-N Available)
- Shaft Seals: Viton Standard (Buna-N and Leather Available)

4001 Models Performance Chart

RPM	0 PSI		25 PSI		50 PSI		75 PSI		100 PSI		125 PSI		150 PSI	
	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
1100	5.5	.06	4.9	.14	4.4	.24	4.1	.34	3.8	.41	3.5	.51	3.3	.62
1400	7.1	.10	6.4	.20	5.9	.32	5.6	.44	5.3	.56	5.0	.68	4.8	.78
1800	9.1	.14	8.5	.30	8.0	.46	7.6	.62	7.3	.78	7.0	.95	6.7	1.1

4101 Models Performance Chart

RPM	0 PSI		25 PSI		50 PSI		75 PSI		100 PSI		125 PSI		150 PSI	
	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
1800	5.0	.11	4.8	.21	4.5	.34	4.2	.45	3.9	.56	3.7	.68	3.4	.78
2200	6.2	.14	5.8	.27	5.6	.40	5.4	.55	5.0	.68	4.7	.82	4.4	.96
2600	7.2	.16	6.9	.30	6.6	.46	6.4	.62	6.0	.76	5.7	.92	5.4	1.08

HYPRO 4000 SERIES WITH 12 VOLT MOTOR DRIVE

- Used for bulkhead chemical transfer, fertilizer placement, herbicide banding, orchard and cattle spraying
- 1/2" Hollow shaft
- Super rollers standard (Teflon, Buna-N, Poly available)
- Viton seals standard (Buna-N and leather available)
- Locking collar & torque arm
- Continuous duty
- 12 VDC motor driven
- Ni-resist (N) or Silver cast (XL)
- 3/4" Ports

SERIES 4001 PUMP WITH 12 VOLT MOTOR DRIVE

No.	Mfg. No.	Max GPM	Max PSI	Continuous Duty Max PSI	Continuous Duty Max GPM
SPP4001XL-AEH	4001XL-EH	10.4	30	25	8
SPP4001N-AE2H	4001N-E2H	9.9	60	50	5.9
SPP4001XL-AE2H	4001XL-E2H	9.9	60	50	5.9
SPP4001XL-E2H	4001XL-E2H	9.9	60	50	5.9

4001 SERIES PUMPS

• Max. 9 GPM

• Max. 1800 RPM

No.	Mfg. No.	Body	Shaft
SPP4001C	4001C	Cast Iron	5/8"
SPP4001N	4001N	Ni-Resist	Solid
SPP4001XL	4001XL	Silver Cast	Shaft
SPP4001XL-E2H	4001XL-E2H	Silver Cast	Hollow
SPP4001C-H	4001C-H	Cast Iron	1/2" Hollow shaft
SPP4001XL-H	4001XL-H	Silver Cast	for motor mount
SPP4001C-R	4001C-R	Cast Iron	Solid

4101 SERIES PUMPS

• Max. 7 GPM

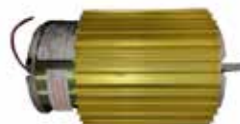
• Max. 2600 RPM

No.	Mfg. No.	Body	Shaft
SPP4101C	4101C	Cast Iron	5/8"
SPP4101N	4101N	Ni-Resist	Solid
SPP4101XL	4101XL	Silver Cast	Shaft
SPP4101XL-EH	4101XL-EH	Silver Cast	Shaft
SPP4101C-H	4101C-H	Cast Iron	1/2" Hollow
SPP4101N-H	4101N-H	Ni-Resist	shaft for
SPP4101XL-H	4101XL-H	Silver Cast	motor mount
SPP4101C-T2	4101C-T2	Cast Iron	Solid

• Repair Parts Kit No. **SPP3430-0390** Consists of: (4) Ref. 5 Super Rollers, (1) Ref. 6 O-Ring Gasket, (2) Ref. 8 Viton Seals.

SERIES 4101 PUMP WITH 12 VOLT MOTOR DRIVE

No.	Mfg. No.	Max GPM	Max PSI	Continuous Duty Max PSI	Continuous Duty Max GPM
SPP4101N-EH	4101N-EH	7.5	50	25	6
SPP4101N-AE2H	4101N-E2H	5.9	100	90	2.75



HYPRO 2570-0013 ELECTRIC MOTOR

Part No. SPP2570-0013

Call for information if part numbers are not listed (-)

1-888-937-7278

299

Cast Iron Pumps An inexpensive pump. Good for many applications

Ni-Resist Pumps For the larger operator. Will last up to 2½ times longer. Resistant to Round Up®

Cast Silver XL Pumps will last up to 10 times longer when pumping powerful herbicides such as Round Up®

ROTATION: Counter clockwise when looking at shaft.

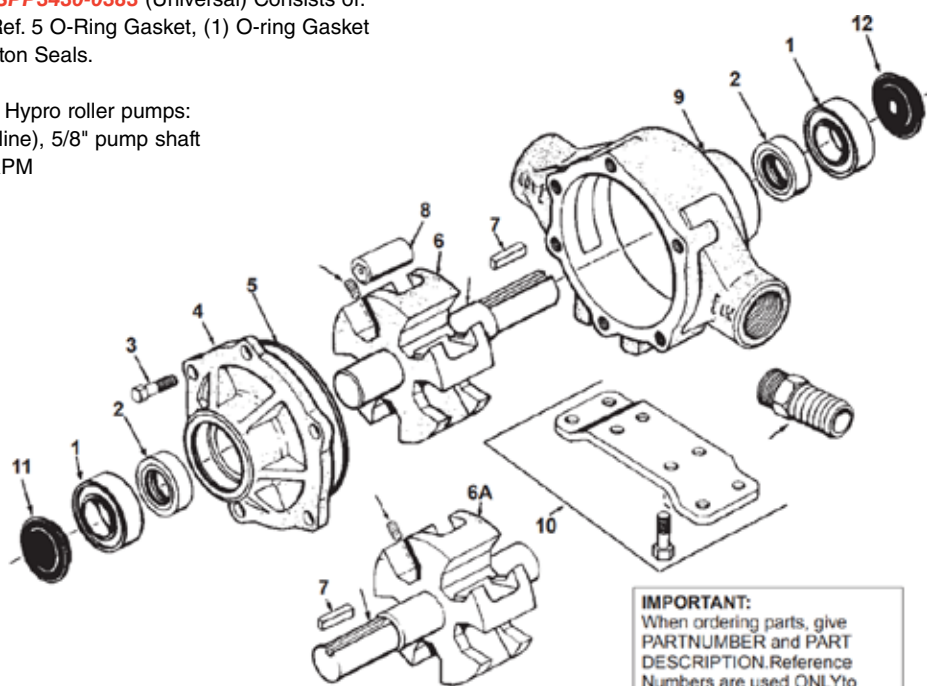
See following page for **Reverse Rotation**



Series		6500	7560	7700	1700	1500
Max U.S. GPM		22	22	22.4	45	62
Max PSI		300	300	200	200	150
Max RPM		1200	1000	800	1000	1000
Max U.S. GPM At 50 PSI	540 RPM	8	11	13	21	28
	1000 RPM	16.5	22	-	45	62
Ports (FPT)		3/4"	3/4"	3/4"	1"	1½"
Shaft Size		5/8"	15/16"	15/16"	15/16"	15/16"
Max Fluid Temp.		140°F	140°F	140°F	140°F	140°F
Rotation		CCW	CCW	CCW	CCW	CCW
Rollers		6	8	7	5	6
Rollers - Standard		Super	Super	Super	Super	Super
Pump seal standard	Cast Iron	Viton	Viton	Viton	Viton	Buna-N
	Ni-Resist	Viton	Viton	Viton	Viton	Buna-N
	Silver XL	Viton	Viton	Viton	Viton	Viton
Cast Iron Pumps	No. (Mfg. No.)	SPP6500C (6500C)	SPP7560C (7560C)	SPP7700C (7700C)	SPP1700C (1700C)	SPP1502C (1502C)
Ni-Resist Pumps	No. (Mfg. No.)	SPP70049 (6500N)	- (7560N)	SPP7700XL (7700N)	- (1700N)	- (1502N)
Silver XL Pumps	No. (Mfg. No.)	SPP6500XL (6500XL)	SPP7560XL (7560XL)	SPP7700XL (7700XL)	SPP1700XL (1700XL)	- (1502XL)

• **1700 Repair Parts Kit No. SPP3430-0383** (Universal) Consists of: (6) Ref. 8 Super Rollers, (1) Ref. 5 O-Ring Gasket, (1) O-ring Gasket (not shown), and (2) Ref. 2 Viton Seals.

• 5/8 Coupler for 6500 series Hypro roller pumps:
SPP1320-0022 - 1-3/8" (6-Spline), 5/8" pump shaft I.D., Die Cast material, 540 RPM



IMPORTANT:
When ordering parts, give PARTNUMBER and PART DESCRIPTION. Reference Numbers are used ONLY to point out parts in the drawing and are NOT to be used as ordering numbers.

- Clockwise rotation when looking at shaft.
- Available in Cast Iron, Ni-Resist, Silver XL Pumps
- Features same as models above.

Hypro Reverse Rotation Roller Pumps



Series		6500	7560	7700	1700	1500
Cast Iron Pumps	No. (Mfg. No.)	SPP6500C-R (6500C-R)	SPP7560C-R (7560C-R)	SPP7700C-R (7700C-R)	- (1700C-R)	- (1502C-R)
Silver XL Pumps	No. (Mfg. No.)	- (6500XL-R)	- (7560XL-R)	SPP7700 XL-R (7700XL-R)	- (1700XL-R)	- (1502XL-R)

Performance Charts For Above Pumps

6500	0 PSI		50 PSI		100 PSI		150 PSI		200 PSI		250 PSI		300 PSI		
	RPM	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	
	540	9.7 .08	8.0 .38	7.2 .68	6.6 .97	5.6 1.29	4.9 1.65	4.3 1.97	1000	18.2 .20	16.5 .71	15.4 1.26	14.7 1.80	14.0 2.34	13.4 2.91
1200	21.8 .30	20.1 .90	19.1 1.51	18.2 2.14	17.3 2.84	16.5 3.48	15.7 4.17								

7560	0 PSI		50 PSI		100 PSI		150 PSI		200 PSI		250 PSI		300 PSI		
	RPM	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP		
	540	12 .33	11.1 .74	10.3 1.25	9.5 1.77	8.6 2.26	7.8 2.78	7.1 3.3	800	18.3 .89	17.5 1.26	16.9 1.95	16.1 2.65	15.5 3.4	14.5 4.2
1000	22.5 1.56	22 1.78	21.3 2.53	20.6 3.5	20 4.2	18.9 5.3	18.0 6.1								

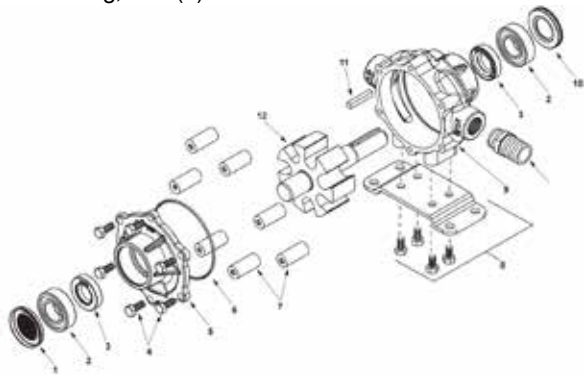
7700	0 PSI		50 PSI		100 PSI		150 PSI		200 PSI		
	RPM	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP		
	540	14.2 .23	12.9 .56	11.9 1.10	11.2 1.64	10.3 2.22	600	15.3 .28	14.0 .62	13.0 1.20	12.3 1.80
800	22.1 .37	20.7 .86	19.5 1.66	18.6 2.40	17.8 3.26						

1700	0 PSI		50 PSI		100 PSI		150 PSI		200 PSI		
	RPM	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP		
	540	25.0 .27	21.0 1.18	19.0 2.13	17.0 2.89	15.0 3.85	600	28.0 .34	24.5 1.39	22.0 2.36	20.0 3.34
1000	45.0 1.42	43.0 3.0	41.0 4.67	39.0 6.07	- -						

1500	0 PSI		25 PSI		50 PSI		100 PSI		150 PSI		
	RPM	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP	GPM HP		
	540	33.1 .51	29.7 1.02	27.8 1.45	24.3 2.46	21.0 3.54	600	36.8 .66	33.6 1.15	31.7 1.68	28.3 2.78
1000	62.1 2.02	58.5 3.04	56.9 3.69	53.9 5.31	50.9 7.12						

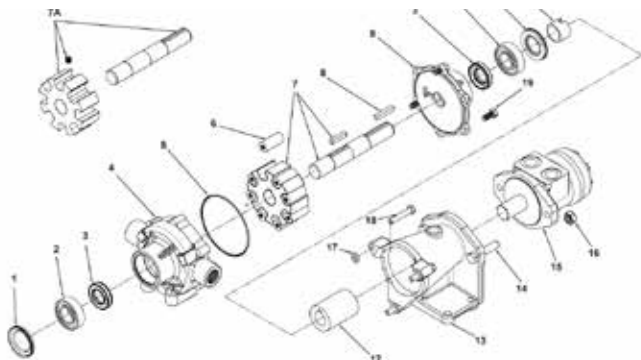
7700 Series Roller Pump Repair Kit

Part No. SPP3430-0384 Consists of (7) Ref. 7 Super Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton seals



7560 Series Roller Repair Kit

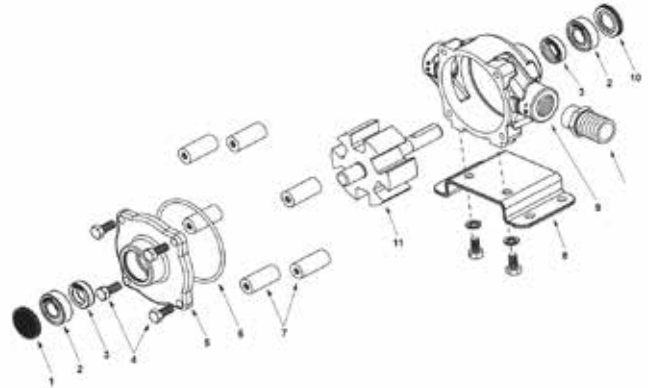
SPP3430-0381 Consists of: (8) Ref. 6 Super Rollers, (1) Ref. 5 O-Ring and (2) Ref. 3 Viton Seals.



Replacement Parts

6500 Series Roller Pump Kit

SPP3430-0380 Consists of (6) Ref. 7 Super Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton seals.



- Ready for Roundup
- Cast Iron pumps come standard with Stainless Steel wear rings
- Oil Lubricated Gear Drive
- Glass-filled Nylon Impeller
- Viton Seals - Buna-N Opt.
- Pump shaft Rotation CCW

HYPRO CAST IRON PUMPS - PORTS 1½" x 1¼"



No.	Model Number	Max GPM	Max PSI	Max RPM	Description
SPP9006C-O	9006C-O	117	78	600	1½" PTO Hub w/Locking Collar/Clip
SPP9018C-O	9018C-O	110	75	1000	1" Solid Shaft
SPP9028C-O	9028C-O	110	75	1000	1½" PTO Hub w/Locking Collar/Clip

Repair Kits No.	Mfg. No.	Description
SPP3430-0334	3430-0334	Buna-N Seal & O-ring Kit (Std)

HYPRO POLYPROPYLENE PUMPS - PORTS 1½" x 1¼"



No.	Model Number	Max GPM	Max PSI	Max RPM	Description
-	9006P-O	97	83	540	1½" PTO Hub w/Locking Collar/Clip
SPP9016P-O	9016P-O	97	83	540	1" Solid Shaft
SPP9018P-O	9018P-O	94	67	1000	1" Solid Shaft

Repair Kits No.	Mfg. No.	Description
SPP3430-0334	3430-0334	Buna-N Seal & O-ring Kit (Std)

HYPRO SERIES 9200 - CAST IRON & STAINLESS STEEL PEDESTAL MOUNT PUMPS



No.	Model Number	Max GPM	Max PSI	Max RPM	Rotation	FPT Ports	Solid Shaft
SPP9202C	9202C	103	170	6000	CCW	1¼" x 1"	5/8"
SPP9202S		103	170	6000	CCW	1¼" x 1"	5/8" Stainless steel
SPP9203C	9203C	140	170	6000	CCW	1½" x 1¼"	5/8"
SPP9203S		140	170	6000	CCW	1½" x 1¼"	5/8" Stainless steel
SPP9203S-R	9203S-R	140	170	6000	Reverse Rotation for Gas Engine Drive	1-1/2" NPT inlet, 1-1/4" NPT outlet	5/8" Stainless steel
SPP9203C-R	9203C-R	140	170	6000	CW	1½" x 1¼"	5/8"
SPP9206C	9206C	225	80	4200	CCW	2" x 1½"	5/8"
SPP9206S		225	80	4200	CCW	2" x 1½"	5/8" Stainless steel

Repair Kits No.	Mfg. No.	Description
SPP3430-0332	3430-0332	Pump Seal Kit
SPP3430-0589	3430-0589	Stainless Pump Seal Kit
SPP3430-0844	3430-0844	Shaft

HYPRO SERIES 9205C - CAST IRON PEDESTAL MOUNT PUMPS


No.	Model Number	Max GPM	Max PSI	Max RPM	Rotation	FPT Ports	Solid Shaft
SPP9205C	9205C	180	196	4200	CCW	2" x 1½"	7/8"

HYPRO SERIES 9200/9500 - POLYPROPYLENE PEDESTAL PUMPS


No.	Model Number	Max GPM	Max PSI	Max RPM	Rotation	FPT Ports	Solid Shaft
SPP9203P-S	9203P-S	100	82	4200	CCW	1½" x 1¼"	7/8"
SPP9203P-SR	9500P-S	100	82	4200	CW	1½" x 1¼"	7/8"


Hypro 9303P Series - Polypropylene - 1½" x 1¼" Ports

No.	Model Number	Max GPM	Max PSI	Max Bypass	
				System	Min. Oil Flow
SPP9303P-HM1C	9303P-HM1C	110	130	Open / Closed	13 U.S. GPM
SPP9303P-HM2C	9303P-HM2C	82	95	Closed	6 U.S. GPM
SPP9303P-HM4C	9303P-HM4C	82	85	Open / Closed	7 U.S. GPM
SPP9303P-HM5C	9303P-HM5C	113	120	Open / Closed	16 U.S. GPM
SPP9303C-HM1C-U	9303C-HM1C-U	114	130	Open/ Closed	13 U.S. GPM

Replacement Part: 9303 Thrust Bearing Assembly Part No. SPP2029-0014

Repair Kits No.	Mfg. No.	Description
SPP3430-0445	3430-0445	Pump seal kit
SPP3430-0748	3430-0178	Motor bearing and seal kit
Replacement Hydraulic Motor		
SPP2500-0183C	2500-0183C	Hydraulic motor 9303P-HM3C

Hypro 9306C & 9306S Series - Cast Iron & Stainless Steel - 2" x 1½" Ports

No.	Model Number	Max GPM	Max PSI	Housing	Max Bypass	
					System	Min. Oil Flow
SPP9306C-HM1C	9306C-HM1C	207	127	Cast Iron	Open / Closed	13 U.S. GPM
-	9306C-HM3C	214	128	Cast Iron	Open / Closed	24 U.S. GPM
SPP9306C-HM5C	9306C-HM5C	212	140	Cast Iron	Open / Closed	17 U.S. GPM
SPP9306C-HM5C-BU	9306C-HM5C-BU	212	140	Cast Iron	Open / Closed	17 U.S. GPM
-	SPP9306S-HM3C	214	128	Stainless Steel	Open / Closed	24 U.S. GPM
-	-	212	140	Stainless Steel	Open / Closed	17 U.S. GPM
-	SPP9306S-HM5C-3U	312	140	Stainless Steel	Open/ Closed	17 U.S. GPM
-	SPP9306C-HM1C-U	283	127	Stainless Steel	Open/ Closed	13 U.S. GPM
-	SPP9306C-HM1C-3U	283	127	Stainless Steel	Open/ Closed	13 U.S. GPM
-	-	212	140	Stainless Steel	Open/ Closed	17 U.S. GPM



Add suffix "-3U" for 300 x 220 flange ports.
eg: 9306C-HM1C-3U

Repair Kits No.	Mfg. No.	Description
SPP3430-0332	3430-0332	Seal and o-ring ceramic repair kit
SPP3430-0748	3430-0178	Motor bearing and seal kit
Replacement Hydraulic Motors		
SPP2500-0081C	2500-0081C	Hydraulic motor 9303C-HM1C
SPP2500-0083C	2500-0083C	Hydraulic motor 9303C-HM3C

Hypro 9303C & 9303S Series - Cast Iron & Stainless Steel - 1½" x 1¼" Ports



- Hydraulic motor drive (for open center, closed center and load-sensing systems)
- Max. fluid temp. 140°F
- Motor: Internal gear gerotor

- Motor capacities: 6 GPM to 24 GPM
- Pump seals: Cast - Viton ; SS - Silicon carbide
- Hydraulic motor seal: Double lip teflon
- Available w/ flange ports (add "-U" suffix)

No.	Model Number	Max GPM	Max PSI	Housing	Impeller	Max Bypass	
						System	Min. Oil Flow
SPP9303C-HM1C	9303C-HM1C	114	130	Cast Iron	Nylon	Open / Closed	13 U.S. GPM
SPP9303C-HM2C	9303C-HM2C	97	95	Cast Iron	Nylon	Closed	6 U.S. GPM
SPP9303C-HM3C	9303C-HM3C	125	98	Cast Iron	Nylon	Large Open	20 U.S. GPM
SPP9303C-HM4C	9303C-HM4C	115	93	Cast Iron	Nylon	Open / Closed	7 U.S. GPM
SPP9303C-HM4C-SP	9303C-HM4C-SP	99	97	Cast Iron	Nylon	Open / Closed	7 U.S. GPM
SPP9303C-HM5C	9303C-HM5C	147	145	Cast Iron	Nylon	Open / Closed	16 U.S. GPM
-	SPP9303S-HM1C	114	130	316 SS	Polypropylene	Open / Closed	13 U.S. GPM
-	SPP9303S-HM2C	97	95	316 SS	Polypropylene	Closed	6 U.S. GPM
-	SPP9303S-HM3C	125	98	316 SS	Polypropylene	Large Open	20 U.S. GPM
-	SPP9303S-HM4C	115	93	316 SS	Polypropylene	Open / Closed	7 U.S. GPM
-	SPP9303S-HM5C	147	145	316 SS	Polypropylene	Open / Closed	16 U.S. GPM



Add suffix "-U" for 220 x 200 flange ports. eg: 9303C-HM1C-U



Repair Kits No.	Mfg. No.	Description
SPP3430-0332	3430-0332	Seal and o-ring ceramic repair kit
SPP3430-0748	3430-0178	Motor bearing and seal kit
SPP3430-0850	3430-0850	Shaft (HM2C/HM4C)
Replacement Hydraulic Motors		
SPP2500-0085C	2500-0085C	Hydraulic motor 9303C-HM5C



Hypro 9302C Series

- Hydraulic motor drive (for open center, closed center and load-sensing systems)
- Max. fluid temp. 140°F
- Motor: Internal gear gerotor
- Motor capacities: 6 GPM to 24 GPM
- Pump seals: Cast - Viton ; SS - Silicon carbide
- Hydraulic motor seal: Double lip teflon
- Available w/ flange ports (add "-U" suffix)

No.	Number	Drive Type	Max GPM	Max PSI	Max BAR	Ports	System	Material
SPP9302C-HM4C	9302C-HM4C	Hydraulic	72	273	8.3	1-1/4" NPT inlet, 1" NPT outlet	Open / Closed	Stainless Steel



Hypro 9304C & 9305C Series - Cast Iron - 2" x 1½" Ports

No.	Mfg. No.	Max. GPM	Max. PSI	Max. Temp	System
SPP9305C-HM3C	9305C-HM3C	182	156	140°F	Open / Closed
SPP3430-0500					Seal and o-ring repair kit
SPP9304C-HM1C	9304C-HM1C	210	115		Open / Closed
SPP9304C-HM5C	9304C-HM5C	210	140		Open / Closed
Hypro 9305C-SP Series - Cast Iron - 2" x 2" Ports					
SPP9305C-HM3C-SP	9305C-HM3C-SP	155	143		Open / Closed

**Replacement part
HM1 & HM5 SHAFT KIT**



Part no. SPP3430-0852

Hypro Gas Engine-Driven Centrifugal Pump



No	Max GPM	Max PSI	Description
SPP1537	110	80	Honda Engine 5.5 HP - 1-1/2" x 1-1/4" Ports
SPP1538	110	75	1-1/2" x 1-1/4" Ports. Must use 5/8" Threaded Shaft Engine.
SPP1551	150	140	2 Zoll x 1 1/2 Zoll Kreiselpumpen-Kit. OHNE Motor

Replacement Part:

- Seal for models 1521C-65, 1536, 1537, 1538, 1539 and 1540 **Part No. SPP1700-0119**

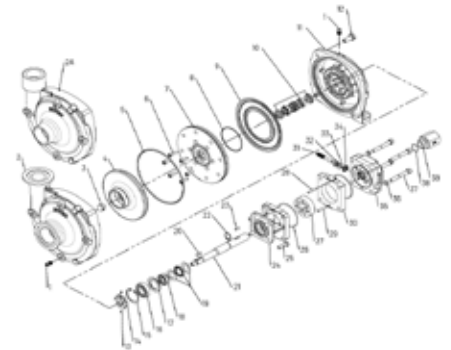
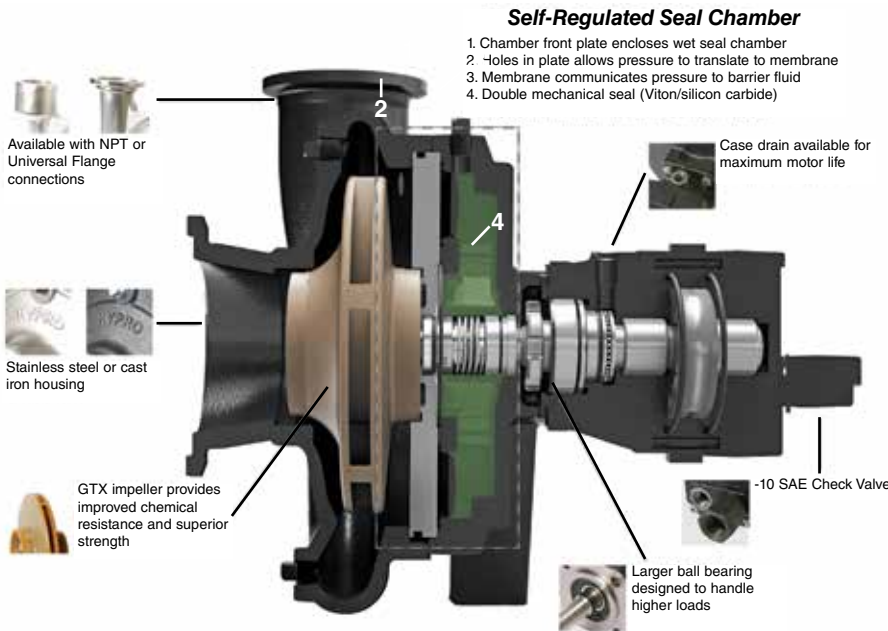
Hypro 9313 Series ForceField Centrifugal Pumps



- ForceField Technology is a superior wet seal technology that provides the ultimate protection for the mechanical seal and avoids costly downtime
- Protects the mechanical seal against common failures related to dry run and chemical bonding by using a barrier fluid to keep it cool and lubricated
- Actively maintains a pressure differential between the barrier fluid and the pumping solution, which results in longer life and worry free operation
- Capable of flows up to 311 GPM (1177 LPM) and can produce up to 150 PSI (10.3 bar)
- Designed to be a drop-in replacement for standard Hypro hydraulically driven centrifugal pumps

No.	Equivalent	Inlet / Outlet	Max GPM	Max PSI	Max Hyd. GPM
SPP9313CU-M08	9303C-HM1C-U	220 x 200 Universal Flange	188	137	13
SPP9313SU-M04	9303S-HM2C-U	220 x 200 Universal Flange	140	90	7
-	9303S-HM1C	1 1/2" NPT x 1 1/4" NPT	188	137	13
SPP9313SU-M08	9303S-HM1C-U	220 x 200 Universal Flange	188	137	13

REPAIR KIT - 9313 SERIES



No.
SPP3430-0947
SPP3430-0948
SPP3430-0949

Pump Repair Kit No. 3430-0948
 Contains: O-rings (Ref.5&8), mechanical seal (Ref. 10), Membrane (Ref. 9), Pump Chamber Fluid, and seal installation tool

Pump Repair Kit No. 3430-0947
 Contains: same as 3430-0948, except installation tool not included.

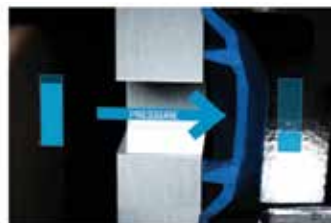
Parts Kit No. 3430-0949 Contains:
 One each ball bearing (Ref. 16), motor shaft seal (Ref. 18), thread seal gasket (Ref. 34), washer (Ref. 33), two each motor housing o-rings (Ref. 26), and port adaptor o-ring (Ref. 38)



ForceField Technology is ideal for use in the most demanding spraying conditions



Chamber barrier fluid keeps the seal cool and lubricated to protect against dry run and chemical bonding failures.



Self-regulating chamber designed to provide pressure when needed and safe serviceability when it is not needed.

- Max pressure: 500 PSI
- Max. Fluid Temperature: 140° F
- Flow rates: 1.5, 2.0, 2.5 and 3.0 GPM
- Rated speed: 1800 RPM
- Shaft sizes: 5/8" solid shaft or 5/8" hollow shaft
- Port sizes: 1/2" inlet; 1/2" outlet

- Cast Iron body
- Weight: 10 lbs.
- Buna-N rubber cups for pressure wash and hydrostatic testing applications
- Leather cups for pest control and chemical spraying applications
- Teflon and Viton cups available for special applications
- Injector head available



No.	Mfg. No.	Max GPM	Cup Type	Shaft Size	Shaft Type	Other Equipment
SPP5320C-RX	5320C-RX	2	Buna-N	5/8"	Solid	Base
SPP5330C-X	5330C-X	3	Leather	5/8"	Solid	Base

Hypro 9400 Series Belt Drive Pumps

- Drive: 12-groove belt
- Stainless steel wear ring
- Port sizes: 9403 models – 1½" NPT inlet, 1¼" NPT outlet
- Stainless steel pump shaft, standard
- Spring-loaded belt tensioner
- Pump shaft rotation: CCW
- Impeller: Cast Iron models – glass-filled nylon
- Pump seals: Viton/ceramic standard
- Weight: 40-45 lbs. / 18.2-20.5 kg



No.	Mfg. No.	Max GPM	Max PSI	Max RPM	PTO Output
SPP9402C-540	9402C-540	76	95	600	1-3/8" female, 6-spline shaft
SPP9402C-540S	9402C-540S	76	95	600	1" solid shaft
SPP9403C-540	9403C-540	140	104	600	1-3/8" female, 6-spline shaft
SPP9403C-540S	9403C-540S	91	83	600	1" solid shaft

Replacement Part:

- Poly V-belt (1000rpm) **Part No. SPP3100-0005**
- Pump Casing (model 9403C) **Part No. SPP0150-9000C**

Hypro Pedestal Pumps

Hypro Cast Iron Pedestal Models with 12 Volt Clutches



- Pedestal mount
- Rotation choice
- 12 volt Heavy Duty clutch with 5" diameter A-section pulley
- 5/8" shaft
- Seals : Cast Iron - Viton ; SS - Silicone Carbide

No.	Mfg. No.	Max GPM	Max PSI	Max RPM	Rotation	FPT Ports	Body Type
SPP9263C-C	9263C-C	140	170	5000	CCW	1½" x 1¼"	Cast Iron
Repair Kits		No.	Mfg. No.	Description			
		SPP3430-0332	3430-0332	Pump seal kit			
		SPP3430-0592	2526-0003	Electric clutch			

Hypro 12V Clutches



No.	Shaft Size	Pulley Type	Max HP	Max RPM	Description
SPP3430-0592	5/8"	5"-A	10	4200	9202C, 9203C, 9203C-R 9262C-C, 9262S-C, 9262S-CR

NOTE: Clutch parts are not available from Hypro

Hypro Pump Assembly Gear-Hydraulic Driven



This positive-displacement pump is ideal for de-icing/antiicing(pre-wet). Combining the pump and motor as a single unit eliminates the need for shaft alignment or Love-Joy® coupling. The unit's compact size allows it to be used in a wide variety of locations and makes it especially attractive for quick, easy retrofit installations.

No.	Mfg. No.	Max GPM	Max PSI	Max BAR	Description
SPP8304BV-HM5C	8304BV-HM5C	10.4	100	6.9	Optional pressure relief valve safeguards against pressure buildup (8304BV models)

Call for information if part numbers are not listed (-)

1-888-937-7278

307

Hypro Diecast Quick Couplers



No.	Hypro No.	PTO RPM	PTO Size	For Use On Series	Splines	Bore
SPP1321-0006	1321-0006	540	1 $\frac{3}{8}$ "	6500	6	5/8"
SPP1321-0007	1321-0007	540	1 $\frac{3}{8}$ "	1500/1700/7560/7700	6	15/16"
SPP1321-0009	1321-0009	1000	1 $\frac{3}{8}$ "	1500/1700/7560	21	15/16"
SPP1321-0012	1321-0012	540/1000	1 $\frac{3}{8}$ "	6500/4000	6/21	5/8"
SPP1321-0013	1323-0013	540/1000	1 $\frac{3}{8}$ "	1500/1700/7560	6/21	15/16"

Hypro Forged Steel Quick Coupler



No.	Hypro No.	PTO RPM	PTO Size	For Use On Series	Splines	Bore
SPP1323-0075	1323-0075	1000	1 $\frac{3}{8}$ "	6500	21	5/8"
SPP1323-0073	1323-0073	1000	1 $\frac{3}{8}$ "	1500/1700/7560	21	15/16"
SPP1323-0076*	1323-0076	540/1000	1 $\frac{3}{8}$ "	1500/1700/7560	6/21	15/16"

*Multi-speed couplers

Hypro Forged Steel Coupler



No.	Hypro No.	PTO RPM	PTO Size	For Use On Series	Splines	Bore
SPP1323-0074	1323-0074	540	1 $\frac{3}{8}$ "	6500	6	5/8"
SPP1323-0072	1323-0072	540	1 $\frac{3}{8}$ "	1500/1700/7560/7700	6	15/16"
SPP1320-0076	1320-0076	540	1 $\frac{3}{8}$ "	1500/1700/7560/7700	6	15/16"
SPP1320-0078	1320-0078	1000	1 $\frac{3}{8}$ "	1500/1700/7560	21	15/16"

SHAFT FLEXIBLE COUPLINGS



	No.	Bore
18 HP Max	SPP2740-1002	1"
	SPP2729-1003	Center Disk



D30 MEDIUM PRESSURE

- Diaphragms: 2; semi-hydraulic
- Epoxy-coated housing components for liquid handling
- Max. Fluid Temp: 140°F
- Ports: 1" HB inlet, 1/2" HB outlet
- Weight: 23 lbs. (D30); 33 lbs. (GRGI)
- D30GRGI assembled with gearbox 9910-KIT1640 and control 9910-GS40GI for mounting on 5 hp gas engines

For controls and drive options see pages following.

No.	Mfg. No.	Max GPM	Max PSI	Max RPM
SPP9910-D30-B-GRGI	9910-D30GRGI	9	580	3600
Repair Kits				
SPP9910-KIT1916	9910-KIT1916	O-ring kit		

D1265 HIGH PRESSURE



- Diaphragms: 5; semi-hydraulic
- Housing: anodized aluminum
- Max. Fluid Temp: 140°F
- Ports: HB 1½" inlet, MPT 3/4" outlet
- 1½" - 6 Splined male shaft extension
- Weight: 67 lbs.
- Mounting base included

For controls and drive options see pages following.

No.	Mfg. No.	Max GPM	Max PSI	Max RPM
SPP9910-DBA140	9910-D1265	33.3	725	550

DBA160 HIGH PRESSURE



- Diaphragms: 4; semi-hydraulic
- Housing: external manifolds and heads in anodized aluminum
- Max. Fluid Temp: 140°F
- Ports: 1½" HB inlet, 3/4" HB outlet
- Weight: 112 lbs.
- 1½" - 6 Splined male double-ended shaft

For controls and drive options see pages following.

No.	Mfg. No.	Description
Repair Kits		
SPP9910-KIT1734	9910-KIT	Diaphragm kit (Desmopan)
SPP9910-KIT1965	9910-KIT	Valve kit
SPP9910-KIT1972	9910-KIT	O-ring kit

MEDIUM PRESSURE DIAPHRAGM PUMPS



Part#	SPPAR30-SP
Description	Diaphragm Pumps
Weight	22 lbs.
Max. Flow	9.6 Gpm / 36.2 Lpm
Max. Pressure	580 Psi / 40 Bar
Max. Rated Speed	550rpm
Max. Fluid Temp	140°F / 60°C



D160 LOW PRESSURE

- Diaphragms: 4; semi-hydraulic
- Max. Fluid Temp: 140°F
- Epoxy-coated housing components for liquid handling
- Ports: 2" HB inlet, 1½" HB outlet
- 1½" - 6 Splined male shaft
- Weight: 66 lbs.

For controls and drive options see pages following.

No.	Mfg. No.	Description
Repair Kits		
SPP9910-KIT2374	9910-KIT2374	Valve kit



D250 LOW PRESSURE

- Diaphragms: 6; semi-hydraulic
- Epoxy-coated housing components for liquid handling
- Max. Fluid Temp: 140°F
- Ports: 2" HB inlet, 1½" HB outlet
- 1½" - 6 Splined male shaft
- Mounting base included
- Weight: 92 lbs.

For controls and drive options see pages following.

No.	Mfg. No.	Max GPM	Max PSI	Max RPM
-	9910-D250	66	290	550
Repair Kits				
SPP9910-KIT1904	9910-KIT1904	O-ring kit		
-	9910-KIT2114	Valve kit		

LOW PRESSURE EPOXY COATED 2 DIAPHRAGM PUMPS



Part#	SPP90.102.070
Description	35 Mm Round Bore Input No-Thru
Weight	26 Lbs
Max. Flow	19.6 Gpm / 74.1 Lpm
Max. Pressure	290 Psi / 20 Bar
Max. Rated Speed	550 Rpm
Max. Fluid Temp	140°F / 60°C

Buna Diaphragms for D813 and D1064 Diaphragm Pumps



Buna-N Diaphragm for 9910-D813 Pumps

- Pack of 3 - Hypro 9910-1040081 Buna Diaphragms
 - Replacements for the Hypro D813 and D1064 Diaphragm Pumps
 - Also works on the discontinued Hypro D904, D1105, D1265, D1506, and D1516
- Part No. SPP9910-1040081**

Hydraulic Motor Flange Kits

Model 9910-HYD5312

- Hydraulic motor mounting flange kit
- Fits diaphragm pump Models 9910-D303, D403, D50, D503, D813, D1064, D1265 & D30
- Includes: one flange, 1" hollow shaft and two bolts.



Part No. SPP9910-HYD5312

Call for information if part numbers are not listed (-)

1-888-937-7278

New series now available!

HYPRO 9915

New Pentair/ Hypro Pump No.	OLD AR Pumps
9915-DP252	9910-D252
9915-DP252GRGI	9910-D252GRGI
9915-DP252GRGI58	9910-D252GRGI58
9915-DP302	9910-D30
9915-DP302AP-A	9910-D30AP-A
9915-DP302GRGI	9910-D30GRGI
9915-D303	9910-D30
9915-D303GRGI	9910-D30AP-A
9915-D303AP-A	9910-D30GRGI
9915-D403	9910-D403
9915-D403GRGI	9910-D403GRGI
9915-D503	9910-D503
9915-D503GRGI	9910-D503GRGI
9915-D503AP-A	-
9915-DP803	9910-D70
9915-DP1003	9910-D115
9915-DP2505	9910-D250
9915-D1063	9910-D1064
9915-D1504	9910-DBA160

Medium

Series Component	DP252 9915 Material Comparison	D252 9910
Head	PP Overmolded Al	Anodized Al
Manifold	Polypropylene	Aluminum
Body	Aluminum	Anodized Al
Diaphragm	DURAMAX (2)	Desmopan (2)
Valves	316 SS Spherical	Steel
Con Rods	Al on Roller Bearing	Al on Shaft
Bearings	2 Ball Bearings	*1 Ball Bearing 1 Needle Bearing*

Series Component	D303 9915 Material Comparison	D303 9910
Head	BIOXISTOP Al	Anodized Al
Manifold	BIOXISTOP Al	Anodized Al
Body	BIOXISTOP Al	Anodized Al
Diaphragm	DURAMAX (3)	Desmopan (3)
Piston	2 Rings, Crowned	1 Ring, Flat Dome
Valves	316 SS Spherical	Stainless Steel
Con Rods	Al on Shaft	Al on Shaft
Bearings	2 Ball Bearings	*1 Ball Bearing 1 Needle Bearing*

Series Component	D503 9915 Material Comparison	D503 9910
Head	BIOXISTOP Al	Anodized Al
Manifold	BIOXISTOP Al	Anodized Al
Body	BIOXISTOP Al	Anodized Al
Diaphragm	DURAMAX (3)	Desmopan (3)
Piston	2 Rings, Crowned	1 Ring, Flat Dome
Valves	316 SS Spherical	Stainless Steel
Con Rods	Al on Shaft	Al on Shaft
Bearings	2 Ball Bearings	*1 Ball Bearing 1 Needle Bearing*

Series Component	DP302 9915 Material Comparison	D30 9910
Head	PP Overmolded Al	Epoxy Coated Al
Manifold	Polypropylene	Epoxy Coated Al
Body	Aluminum	Aluminum
Diaphragm	DURAMAX (2)	Desmopan (2)
Valves	316 SS Spherical	Steel
Con Rods	Al on Roller Bearing	Al on Shaft
Bearings	2 Ball Bearings	*1 Ball Bearing 1 Needle Bearing*

Series Component	D403 9915 Material Comparison	D403 9910
Head	BIOXISTOP Al	Anodized Al
Manifold	BIOXISTOP Al	Anodized Al
Body	BIOXISTOP Al	Anodized Al
Diaphragm	DURAMAX (3)	Desmopan (3)
Piston	2 Rings, Crowned	1 Ring, Flat Dome
Valves	316 SS Spherical	Stainless Steel
Con Rods	Al on Shaft	Al on Shaft
Bearings	2 Ball Bearings	*1 Ball Bearing 1 Needle Bearing*

Series Component	DP503 9915 Material Comparison	D503 9910
Head	PP Overmolded Al	Anodized Al
Manifold	PP Overmolded Al	Anodized Al
Body	BIOXISTOP Al	Anodized Al
Diaphragm	DURAMAX (3)	Desmopan (3)
Piston	2 Rings, Crowned	1 Ring, Flat Dome
Valves	316 SS Spherical	Stainless Steel
Con Rods	Al on Shaft	Al on Shaft
Bearings	2 Ball Bearings	*1 Ball Bearing 1 Needle Bearing*

Low

Series Component	DP803 9915 Material Comparison	D70 9910
Head	PP Overmolded Al	Anodized Al
Manifold	PP Overmolded Al	Anodized Al
Body	Aluminum	Aluminum
Diaphragm	DURAMAX (3)	Desmopan (2)
Piston	Crowned	Flat Dome
Valves	316 SS Spherical	Stainless Steel
Bearings	2 Ball Bearings	2 Roller Bearing

Series Component	DP1003 9915 Material Comparison	D115 9910
Head	PP Overmolded Al	Anodized Al
Manifold	PP Overmolded Al	Anodized Al
Body	Aluminum	Aluminum
Diaphragm	DURAMAX (3)	Desmopan (3)
Piston	Crowned	Flat Dome
Valves	316 SS Spherical	Stainless Steel
Bearings	2 Ball Bearings	2 Roller Bearing

Series Component	DP2505 9915 Material Comparison	D250 9910
Head	PP Overmolded Al	Anodized Al
Manifold	Polypropylene	Anodized Al
Body	Aluminum	Aluminum
Diaphragm	DURAMAX (5)	Desmopan (6)
Piston	Crowned	Flat Dome
Valves	316 SS Spherical	Stainless Steel
Bearings	2 Ball Bearings	2 Roller Bearing

High

Series Component	D1063 9915 Material Comparison	D1064 9910
Head	BIOXISTOP Al	Anodized Al
Manifold	BIOXISTOP Al	Anodized Al
Body	BIOXISTOP Al	Anodized Al
Diaphragm	DURAMAX (3)	Desmopan (4)
Piston	2 Rings, Crowned	1 Ring, Flat Dome
Valves	316 SS Spherical	Stainless Steel
Con Rods	Al on Roller Bearing	Al on Shaft

Series Component	D1504 9915 Material Comparison	DBA160 9910
Head	BIOXISTOP Al	Anodized Al
Manifold	BIOXISTOP Al	Anodized Al
Body	BIOXISTOP Al	Anodized Al
Diaphragm	DURAMAX (4)	Buna (4)
Piston	2 Rings, Crowned	1 Ring, Flat Dome
Valves	316 SS Spherical	Stainless Steel
Con Rods	Al on Roller Bearing	Al on Shaft



Gear Reduction Kits:

6:1 Gear Box for Standard Engine

No.	Model No.	For Pump Model
SPP9910-KIT1640	1910-KIT1640	9910-D30

1 1/2" - 6 Spline Male PTO Shaft Kits

No.	Model No.	For Pump Model
SPP9910-KIT1702	1910-KIT1702	9910-D30
SPP9910-KIT1710	1910-KIT1710	9910-D70, D115



• Kits include male PTO shaft adapter, mounting bracket and necessary hardware.



1" Solid Shaft Kits

No.	Model No.	For Pump Model
SPP9910-KIT1707	1910-KIT1707	9910-D50
SPP9910-KIT2202	1910-KIT2202	9910-D503, D303, D403
SPP9910-KIT2203	1910-KIT2203	9910-D813, D1064, D1265

Control Units

No.	Model No.	Max GPM	Max PSI	Description
SPP9910-KIT1990	9910-KIT1990	6	290	Control unit for mounting on 9910-D252 model pumps. Includes relief valve and pressure/bypass selector 5/8" HB bypass port and 3/8" HB outlet.
SPP9910-GS40GI	9910-GS40GI	21	580	Control unit for mounting on 9910-D30 & D-50 pumps. Includes high pressure relief valves & two 1/2" HB outlets with individual shut-offs
SPP9910-KIT1897	9910-KIT1897			Remote mounting kit for 9910-RM40
SPP9910-GS50GI	9910-GS50GI	48	725	Control unit for mounting on 9910-D813, D1064, D1265, D1516, D1554 model pumps. Includes high pressure relief valve & three 1/2" HB outlets with individual shut-offs
SPP3300-0087	3300-0087	40	290	Remote control unit for models 9910-D70, D115, D135 & D160 pumps. Includes built-in relief valve on each 1" HB inlet and three 3/4", 1/2" & 3/8" HB outlets with individual shut-offs.

DELANVAN POWERFLO 7800 SERIES DIAPHRAGM PUMPS

- 12 VDC permanent magnet, totally enclosed, non-ventilated
- 3 chamber positive displacement diaphragm pump, self priming, capable of being run dry, demand or bypass mode
- 3/8" FPT Ports
- Max. 60 PSI
- Max. 150°F (65°C)
- Priming Capabilities: 14 feet
- Santoprene diaphragm
- Viton valves



7811			7812		
PSI	GPM	Amps	PSI	GPM	Amps
10	1.2	1.8	10	2	2.8
20	0.85	2.7	20	1.7	3.7
30	0.7	3.2	30	1.6	4.2
40	0.6	3.7	40	1.55	4.7
50	0.45	4.2	50	1.25	5.2
60	0.4	4.7	60	1.05	5.7

DELANVAN POWERFLO 5800 SERIES DIAPHRAGM PUMPS

- 12 VDC permanent magnet, totally enclosed, non-ventilated
- 5 chamber positive displacement diaphragm pump, self priming, capable of being run dry, demand or bypass mode
- 1/2" FPT Ports
- Max. 60 PSI
- Max. 140°F (60°C)
- Priming Capabilities: 14 feet
- Santoprene diaphragm
- Viton valves



No.	Motor	GPM	Type	Connector
SPP5850-301E	12VDC	5	Demand	Wire leads
SPP5850-201E	12 VDC	5	Demand	Wire leads
SPP5850-111E	12 VDC	5	Bypass	Wire leads
SPP5850-114E	115 VAC	5	Bypass	6' power cord
SPP5850-104E	115 VAC	5	Demand	6' power cord

5836			5850		
PSI	GPM	Amps	PSI	GPM	Amps
10	3.6	4	10	5	6
20	3.1	5.9	20	4.5	9
30	2.8	7.5	30	4.1	11
40	2.6	8.9	40	3.88	13
50	2.4	9.7	50	3.55	14.6
60	2.2	10.5	60	3.2	16.3

DELANVAN FB2 60 PSI DEMAND PUMP

- 12 Volt
- Weight: 9.7 lb
- Mfr Part #: 7870-101E-SB
- GPM: 7 GPM
- Inlet: 1/2" F NPT
- PSI: 60 PSI
- Valve Material: Viton

Part No.
SPP7870-101E-SB



Replacement Part: Complete Pump Head Assembly Part No. **SPPPHA-7870-PS** Works with Delavan 7870 FB2 series pumps with pressure switch



7900 ROLLER PUMP REPAIR KIT
Part No. SPPRK-7900

No.	Motor	GPM	Type	Connector
SPP7811-111	12 VDC	1.2	Bypass	Wire leads
SPP7811-201	12 VDC	1.2	Demand	2 pin connector
SPP7812-111	12 VDC	2	Bypass	Wire leads
SPP7812-201	12 VDC	2	Demand	2 pin connector
SPP7812-114	115 VAC	2	Bypass	6' power cord
SPP7812-104	115 VAC	2	Demand	6' power cord

With Quick Attach Ports

SPP7801-201	12 VDC	1.2	Demand	2 pin connector
SPP7802-201	12 VDC	2	Demand	2 pin connector

5/8" Nylon Quick Attach Fittings

SPP3DFA12	1/2" HB Straight
SPP3DFA38	3/8" HB Straight
SPP3DFE12	1/2" HB Elbow
SPP3DFE38	3/8" HB Elbow
SPP3DFF12	1/2" FPT Straight
SPP3DFF38	3/8" FPT Straight

FIMCO HIGH FLO HIGH PERFORMANCE 2.4 GPM 12 VOLT DEMAND PUMP

- 12 Volt
- Max GPM: 2.4
- Series: High Flo
- AMPS: 8.0
- PSI: 60 PSI
- Max. 130°F
- Mfr Part #: 5151087



Part No. SPF5151087

FIMCO HIGH FLO HIGH PERFORMANCE 4.5 GPM 12 VOLT DEMAND PUMP

- 12 Volt
- Max GPM: 4.5
- Series: High Flo
- AMPS: 13.7
- PSI: 60 PSI
- Mfr Part #: 5151088
- Replaces pump part numbers 5281372, 5275088, 5277982, 5275704, 5275498, 5274983 and 5275017



Part No. SPF5151088

DELANVAN 6900C CAST IRON 6-ROLLER PUMP

- Port Sizes: 3/4" FNPT
- Pump Shaft Rotation CCW
- 5/8" Solid Stainless Steel Shaft



No.	Max GPM	Max PSI	Max Speed
SPP6900C	20	300	1200 RPM
SPP6901C	10.5		1000 RPM
SPP7900C	22.5	200	850 RPM
SPP70000	9.2	150	4 Roller Pump



6 Roller PTO Pump Kit
6 spline, 540 PTO
Part No. SPWWP6RC

6900DSS DIAMOND ROLLER PUMP

Part No. SPP6900DSS



Call for information if part numbers are not listed (-)

1-888-937-7278

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5059 SERIES SHURFLO 12 VDC DIAPHRAGM PUMP



- Max 5.3 GPM
- Max 60 PSI
- 12 volt continuous-duty sealed motor
- Self-priming up to 8 feet
- Santoprene diaphragm
- Built-in 60 PSI pressure switch

No.	Type	Ports
SPP5059-1310-D011	Demand	1/2" FPT
SPP5059-1311-D011	Demand	1/2" Straight MPT
SPP5059-3610-D011	Bypass	1/2" FPT
SPP5059-3611-D011	Bypass	1/2" Straight MPT

FLOJET 5100 AIR DRIVEN PUMP



- Max. 2.5 GPM
- Self priming up to 28ft
- Temperature range 40°F - 120°F
- 1/4" HB Air Inlet/Outlet
- 3/8" HB Liquid Inlet/Outlet
- 20 to 80 PSI
- Weight 1.10 lb

No.	Mfg. No.	Elastomers
-	N5100-050A	Geolast
SPPN5100020A	N5100-020A	Viton
SPP05100-040	N5100-040A	Santoprene

FLOJET G57 AIR OPERATED DOUBLE DIAPHRAGM PUMP



- Capable of passing solids up to 3.2mm diameter easily with large clog-free check valves
- Corrosion resistant materials
- Leak resistant radial seals
- Quiet operation with large exhaust muffler
- Self-priming up to 15 feet
- Santoprene diaphragm
- Max: 7 GPM ; 100 PSI ; 120°F
- Cpspsble of Air or CO2 drive pressure up to 100 PSI (6.9 bar)

No.	Mfg. No.	Ports	Air
SPPG575215A	G575215A	1/2" HB	1/4" HB
SPPG575225A	G575225A	3/4" HB	1/4" HB
SPPG575205A	G575205A	3/8" HB	1/4" HB
*SPPG573205A	G573205A	3/8" HB	1/4" HB
*SPPG573215A	G573215A	1/2" HB	1/4" HB

* Viton

FOAM MARKER PUMP



- 1.30 CFM at open flow
- .81 CFM at 10 PSI
- Max. 10 PSI
- 12 VDC; 1/8 HP Motor
- 8 Amps at rated speed

Part No. SPPFM1010

BOTTLED WATER DISPENSING SYSTEM



- Mfg. No. BW4000-000A
- Float switch for automatic shut-off when empty
- Built-in check valve to prevent back flow
- Universal cap fits most water containers
- Compact size for easy mounting: 6" x 8"
- 20 in. (6.1 m) discharge hose included
- 115 VAC; 0.5 Amps max
- Max. 40 PSI ; 1 GPM

Part No. SPPBW5000-000A

8000 SERIES SHURFLO DIAPHRAGM 12 VDC BYPASS PUMPS



- Will continue to run without damage once bypass pressure is reached
- Ideal for applications where automatic demand switch is not desired
- Viton elastomers
- Self-priming up to 8 vertical feet
- Internal bypass
- Chemical-resistant materials
- Santoprene diaphragms
- 3/8" FPT ports

No.	Max GPM	Max PSI	Bypass	GPM @ 30 PSI
SPP8000-543-210	1.8	40	35 PSI	1.07
SPP8000-543-220	1.8	60	60 PSI	1.39
SPP8000-543-250	1.8	50	50 PSI	1.11



- 1.8 GPM open flow
- Buna valves, Geolast® diaphragm
- 35 PSI Internal bypass
- Nylon housing

Part No. SPP8000-643-210

8000 SERIES SHURFLO DIAPHRAGM 12 VDC NO CONTROL PUMP



- Designed for applications that have external pressure valves
- 1/4" adapter for external hook-up
- Max: 1.8 GPM ; 100 PSI

Part No. SPP8000-543-290



SHURFLO SLV SERIES 12 VDC DEMAND PUMPS

- Ideal for low volume, intermittent-duty applications
- No metals in fluid path for maximum chemical resistance
- Automatic demand; 25 PSI on/40 PSI
- Self-priming up to 2.5 vertical feet
- Long-life pressure switch
- Thermally-protected ball bearing motor with splash-proof housing
- 3/8" HB ports
- Max. 1 GPM
- Max. 30 PSI
- Viton valves
- Santoprene diaphragms

No.	Description
SPPSLV10-AA40	40 PSI Demand switch & Intergral On/Off switch
SPPSLV10-AA41	40 PSI Demand switch
SPPSLV10-AA48	40 PSI Demand switch, Manual switch & 2 pin connector

SUBMERSIBLE PUMP SHURFLO 9325 SOLAR SUB PUMP 24VDC



- Longlife 12-24 VDC operation
- For 4" (10.2 cm) wells or larger
- Quick disconnect with "Watertite-Gland" design
- Corrosion-proof housing with stainless-steel fasteners
- 50 mesh stainless steel inlet screen

Part No. SPP9325-043-101

7.1 GPM FLANGED POLY DIAPHRAGM PUMP



- Two Duramax diaphragms. Crown shaped pistons.
- Valves: 316 stainless steel spherical profiled valve poppet.
- Case Material: Aluminum
- Inlet Port: 1 1/2"/25mm
- Outlet Port: 1/2"/13mm
- Max Fluid Temp: 140°F/60°C
- Weight: 12.3 lbs/5.6 kgMax

Part No. SPP9915-DP302

8000 Series Diaphragm 12 VDC Automatic Demand Pumps

- Self priming up to 8 feet [2.4m]
- Chemical resistant materials
- Designed for heavy duty spraying and fluid transfer applications.
- Can run dry without damage
- Built in check valve

The 8000 Series diaphragm pump is SHURflo's most widely used agriculture & industrial pump. Viton valve material assures maximum chemical resistance. The unique conical valve design delivers high flow rates at maximum discharge pressures, making the 8000 the pump of choice for sprayers used on the farm or around the yard.

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.57	4.2
40	1.38	5.6
60	1.23	7.2

Standard Pump

1.8 GPM open flow, EPDM valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8000-443-236	3/8" FPT
SPP8000-443-136	1/2" MSPT
SPP8009-543-236	3.0 FTF

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.44	4.1
40	1.33	5.4
60	1.22	6.8

Transfer Pump

1.8 GPM open flow, Buna valves, Geolast diaphragm, 60 PSI demand switch.

No.	Ports
SPP8000-643-236	3/8" FPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.43	6.8
40	1.20	9.1
100	1.10	10.1
150	0.83	12.0

150 PSI High Pressure Pump

1.5 GPM open flow, Viton valves, Santoprene diaphragm, 150 PSI demand switch.

No.	Ports
SPP8030-813-239	3/8" FPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.45	4.2
40	1.31	5.6
60	1.22	6.5
100	0.96	8.7

High Pressure Pump

1.8 GPM open flow, Viton valves, Santoprene diaphragm, 100 PSI demand switch.

No.	Ports
SPP8000-543-238	3/8" FPT
SPP8000-543-138	1/2" MSPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.61	4.4
40	1.45	5.7
60	1.35	7.0
100	1.15	9.3

High Pressure Pump

1.7 GPM open flow, EPDM valves, Santoprene diaphragm, 100 PSI demand switch.

No.	Ports
SPP8002-793-238	3/8" FPT

12V 60 SW PVS 3.0S 1.7G 1M



PSI	GPM	Amps
20	1.26	5
40	1.14	6.2
60	1.02	7.3

8000 Series Diaphragm Pump

Up to 1.8 GPM, most widely used industrial and agricultural pump.

No.	Ports
SPP8000-543-936	3/8" FPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.26	5.0
40	1.14	6.2
60	1.02	7.3

Standard Pump

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8000-543-236	3/8" FPT
SPP8000-543-136	1/2" MSPT
SPP8000-541-236	3/8" NPT-Female

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.26	5.0
40	1.14	6.2
60	1.02	7.3

Standard Pump w/ Reversed Pump Head

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8006-543-236	3/8" FPT

12 VDC AUTOMATIC DEMAND PUMP



1.2 GPM Open Flow, 60 PSI Demand Switch, Viton Valves, Viton Diaphragm

No.	Ports
SPP8000-343-236	3/8" FPT

12 VDC AUTOMATIC DEMAND PUMPS WITH ELECTRIC PACKAGE



PSI	GPM	Amps
10	1.16	1.06
30	0.64	1.39
50	0.14	1.67

Demand Pump w/ Electrical Package

1.0 GPM open flow, Viton valves, Santoprene diaphragm, 60 PSI demand switch, Elect. Pkg. w/Manual On/Off Switch 2 Pin Connector.

No.	Ports
SPP8007-591-236	3/8" FPT



PSI	GPM	Amps
20	1.65	1.70
40	1.52	2.20
60	1.41	2.55
100	1.22	3.30

Demand Pump w/ Electrical Package

1.8 GPM open flow, Viton valves, Santoprene diaphragm, 60 PSI demand switch, Elect. Pkg. w/Manual On/Off Switch 2 Pin Connector an Fuse.

No.	Ports
SPP8007-543-836	3/8" FPT



12 VDC Bypass Pump

1.8 GPM
50 PSI
Viton Valves, Santoprene Diaphragm

No.	Ports
SPP8007-543-850	3/8" FNPT

- Self priming up to 12 vertical feet (3.7m)
- Built-in check valve (may vary by models)
- Prevents back flow of fluid through the pumps
- Continuous duty motor (fin cooled version only)
- Chemical resistant materials
- Can run dry without damage

Shurflo 2088 Series demand pumps deliver reliable performance in high flow, moderate pressure applications. They are used in a variety of spraying, and transferring applications that require flows of up to 3.6 GPM (13.6 l/min). They are available in a variety of chemical resistant materials, can be mounted in any position, and are designed for easy maintenance.

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.80	5.3
20	2.69	5.5
30	2.36	6.7
40	2.05	7.1

Standard Pump

3.0 GPM open flow, Viton valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-343-135	1/2" MSPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.83	5.8
20	2.56	7.0
30	2.31	8.0
40	2.02	9.1

Standard Pump

3.5 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-443-144	1/2" MSPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.7	5.5
20	2.5	6.7
30	2.2	8.0
40	2.0	8.8

Standard Pump

3.2 GPM open flow, Buna valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-643-144	1/2" MSPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.9	5.6
20	2.6	7.1
30	2.3	8.4
40	2.07	9.0

Premium Pump w/ Fin Cooled Motor

3.6 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-514-145	1/2" MSPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.83	6.4
20	2.56	7.6
30	2.31	8.7
40	2.02	9.5

Premium Pump w/ Fin Cooled Motor

3.6 GPM open flow, Viton valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-313-145	1/2" MSPT

12 VDC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.90	5.6
20	2.60	7.1
30	2.30	8.4
40	2.07	9.0

Premium Pump w/ Splash-Proof ShurCoated Motor

3.6 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-713-534	1/2" MSPT

12 VDC BYPASS PUMP



PSI	GPM	Amps
10	3.5	8.0
20	2.5	11.0
30	1.6	11.6
40	0.6	13

Standard Bypass Pump

4.0 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-514-500	1/2" MSPT

12 VDC AUTOMATIC DEMAND PUMP



100 PSI Demand Switch
Viton Valves, Santoprene Diaphragm

No.	Ports
SPP8001-594-839	3/8" FPT

12 VDC BYPASS PUMP



PSI	GPM	Amps
10	2.80	5.3
30	2.36	6.7
50	1.42	8.0

Standard Bypass Pump

3.0 GPM open flow, Viton valves, Santoprene diaphragm, 45 PSI demand switch, On / Off manual sw.

No.	Ports
SPP2087-593-135	1/2" MSPT

12 VDC BYPASS PUMP



PSI	GPM	Amps
10	2.79	5.8
30	2.26	8.3
40	1.99	9.3
50	1.69	10.1

Standard Bypass Pump

1/4 Front port no switch, 3.30 Open flow, Viton valves, Santoprene diaphragm.

No.	Ports
SPP2088-343-500	1/2" MSPT

SHURFLO SLV SERIES 24 VDC AUTOMATIC DEMAND PUMP

- Automatic demand, 25 PSI on/40 PSI
- Self priming up to 2.5 vertical feet [.76 m]
- Long life pressure switch
- Santoprene diaphragm, Viton valves
- Integral on/off switch optional
- Thermally protected ball bearing motor with splash proof housing
- Internal fan radiates heat, external heat sink not required



PSI	GPM	Amps
3	0.90	0.89
10	0.73	1.00
20	0.62	1.15
30	0.49	1.23

The SLV series is ideal for low volume intermittent duty application requiring a compact pump with low power consumption. Unique design has no metals in the fluid path for maximum chemical resistance. Pump features include automatic demand operation and elastomers that handle a wide variety of chemicals. Perfect for low volume spraying and transfer.

1.0 GPM open flow, Viton valves, Santoprene diaphragm, 40 PSI Demand Switch

No.	Ports
SPPSLV10-AB41	3/8" HB

SHURFLO 8000 SERIES 24 & 36 VDC AUTOMATIC DEMAND PUMPS

- Self priming up to 8 vertical feet (2.4 m)
- Chemical resistant materials
- Designed for heavy duty spraying and fluid transfer applications
- Can run dry without damage
- Built in check valve

The 8000 Series diaphragm pump is Shurflo's most widely used industrial pump. With spherically shaped valves and automatic demand switch, these pumps deliver consistent, dependable operation and priming.

24 VDC AUTOMATIC DEMAND PUMPS



PSI	GPM	Amps
20	1.04	1.5
40	0.87	2.0
50	0.92	2.2
60	0.84	2.4

1.0 GPM open flow, Buna valves, Geolast diaphragm, 60 PSI Demand switch, w/ 60 PSI Internal Bypass



PSI	GPM	Amps
20	1.46	2.4
40	1.33	3.0
60	1.22	3.5
100	1.02	4.5

1.6 GPM open flow, Viton valves, Santoprene diaphragm, 100 PSI Demand Switch

No.	Ports
SPP8000-151-296	3/8" FPT

No.	Ports
SPP8000-853-238	3/8" FPT

36 VDC AUTOMATIC DEMAND PUMPS



PSI	GPM	Amps
20	1.52	1.40
40	1.40	1.88
60	1.30	2.32
100	1.10	3.10

1.6 GPM open flow, EDPM valves, Santoprene diaphragm, 100 PSI Demand Switch.

No.	Ports
SPP8000-783-238	3/8" FPT

SHURFLO 2088 SERIES 24 & 36 VDC AUTOMATIC DEMAND PUMP

- Self priming up to 12 vertical feet (3.7 m)
- Can run dry without damage
- Built in check valve prevents back flow
- Continuous duty motor (fin cooled version only)
- Chemical resistant materials

Shurflo 2088 is ideal in industrial applications that require flow rates up to 3.6 GPM (14.0 l/min) with low amp draw. They are used in a variety of spraying and transferring applications. They are available in a variety of chemical resistant materials. These pumps are ideal for offroad or road maintenance equipment applications.

24 VDC AUTOMATIC DEMAND PUMPS



PSI	GPM	Amps
10	2.80	2.41
20	2.25	2.63
30	1.75	2.73
40	1.25	2.71

3.0 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI Demand switch.

No.	Ports
SPP2088-474-144	1/2" MSPT



PSI	GPM	Amps
10	3.17	3.1
20	2.92	3.6
30	2.63	4.1
40	2.34	4.5

3.6 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI Demand switch.

No.	Ports
SPP2088-573-534	1/2" FPT

36 VDC AUTOMATIC DEMAND PUMPS



PSI	GPM	Amps
10	3.16	2.1
20	3.00	2.5
30	2.76	2.9
40	2.52	3.2

3.3 open flow, Viton valves, Santoprene diaphragm, 1/4" FPT Adapter mounted on switch port.

No.	Ports
SPP2088-483-124	1/2" MSPT

- Self priming up to 8 vertical feet (2.4m)
- Chemical resistant materials
- Can run dry without damage

Shurflo 8000 Series diaphragm pump is shurflo's most widely used industrial pump. With it's spherically shaped valves and internal bypass these pumps are the pump of choice for applications requiring consistent, dependable operation and priming. These 115 VAC pumps deliver up to 1.4 GPM (5.3 l/min). Pumps can be mounted in any position and are designed for easy maintenance.

115 VAC BYPASS PUMP



PSI	GPM	Amps
10	1.36	0.34
40	0.65	0.51
50	0.19	0.54

Standard Bypass Pump

1.4 GPM open flow, EPDM valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8000-933-250	3/8" FPT

115 VAC BYPASS PUMP



PSI	GPM	Amps
10	1.36	0.34
40	0.65	0.51
50	0.19	0.54

Standard Bypass Pump

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 60 PSI internal bypass.

No.	Ports
SPP8000-533-250	3/8" FPT

115 VAC BYPASS PUMP



PSI	GPM	Amps
60	0.97	0.61
80	0.81	0.69
100	0.38	0.77

High Pressure Bypass Pump

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 120 PSI internal bypass.

No.	Ports
SPP8000-812-280	3/8" FPT

115 VAC BYPASS PUMP



PSI	GPM	Amps
20	1.13	0.39
60	0.94	0.55
100	0.60	0.67

High Pressure Bypass Pump

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 100 PSI demand switch w/ 80 PSI internal bypass.

No.	Ports
SPP8000-812-288	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.71	0.65
20	2.41	0.77
30	2.10	0.89
40	1.84	0.98

Standard Pump

3.2 GPM open flow, Viton valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-394-154	1/2" MSPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.60	0.58
20	2.34	0.67
30	2.08	0.76
40	1.85	0.85

Standard Pump

3.3 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-594-154	1/2" MSPT

HYPRO CENTRIFUGAL PUMP



- Housing: Noryl - chemical resistant, coated, cast iron bearing housing
- Impeller: Noryl
- Shaft seals: Viton/ceramic with polypropylene case
- Port sizes: 1½" NPT inlet, 1½" NPT outlet
- Close-coupled 1½ HP 115/208-230 Volt AC motor
- Max flow rate: 91 GPM (free flow)
- Max pressure: 35 PSI (shut off)
- Max speed: 3450 RPM
- Max Temp: 140°F / 60°C

Part No. SPP9940-9753NRL

- Self priming up to 8 vertical feet (2.4m)
- Chemical resistant materials
- Can run dry without damage
- Built-in check valve
- UL/CUL recognized components

Shurflo 115 VAC 8000 & 8005 Series demand pumps provide the same reliability as the 12 VDC version, with flow rates up to 1.6 GPM (6.1 l/min). They are ideal in industrial applications that require high pressure, with low amp draw. They can be mounted in any position, are compact, and are designed for easy maintenance.

PUMP TYPES - 12 / 115 VOLT

DEMAND PUMP - Has a high and low pressure switch on pump. Use with a pressure relief valve to prevent cycling on low demands.

BYPASS PUMP - Runs continuously bypassing excess volume over a preset pressure.

STANDARD PUMP - No pressure switch or bypass. Used on Foam Markers or other applications where pump can not be overloaded.

BYPASS/DEMAND PUMP - Has a high and low pressure switch on pump and a internal bypass to prevent cycling when useage is less than pump flow.

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.15	0.46
40	0.97	0.55
60	0.85	0.64

Standard Pump

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8000-533-236	3/8" FPT

115 VAC AUTOMATIC DEMAND/BYPASS PUMP



PSI	GPM	Amps
20	1.29	0.40
40	0.67	0.49
60	0.05	0.54

Standard Pump w/ Bypass

1.6 GPM open flow, EPDM valves, Santoprene diaphragm, 60 PSI demand switch w/ 45 psi internal bypass.

No.	Ports
SPP8005-733-255	3/8" FPT
SPP8005-733-155	1/2" MSPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.26	0.51
40	1.11	0.61
60	1.00	0.70
100	0.85	0.85

High Pressure Pump

1.6 GPM open flow, Viton valves, Santoprene diaphragm, 100 PSI demand switch.

No.	Ports
SPP8000-813-238	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.15	0.46
40	0.97	0.55
60	0.85	0.64

Transfer Pump

1.4 GPM open flow, Buna valves, Geolast diaphragm, 60 PSI demand switch.

No.	Ports
SPP8000-633-236	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	0.89	0.40
40	0.76	0.48
60	0.64	0.54

All Viton Pump

1.0 GPM open flow, Viton valves, Viton diaphragm, 60 PSI demand switch.

No.	Ports
SPP8000-033-236	3/8" FPT



115 VAC AUTOMATIC DEMAND PUMP

PSI	GPM	Amps
20	1.24	0.45
60	1.04	0.66
120	0.77	0.92
150	0.63	1.00

150 PSI High Pressure Pump

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 150 PSI demand switch.

No.	Ports
SPP8030-863-239	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.30	0.49
60	1.04	0.68
100	0.87	0.84

High Pressure Pump

1.6 GPM open flow, EPDM valves, Santoprene diaphragm, 100 PSI demand switch.

No.	Ports
SPP8000-713-238	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.26	0.47
40	1.07	0.57
60	0.94	0.66

Standard Pump

1.4 GPM open flow, EPDM valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8005-233-236	3/8" FPT

- Self priming up to 8 vertical feet (2.4m)
- Chemical resistant materials
- Can run dry without damage
- Built-in check valve
- 6' power cord (1.8m)

SHURflo 8000 & 2088 Series demand pumps provide the same reliability as the 12 VDC version, with flow rates up to 24 GPM. They are ideal in industrial applications that require high pressure, with low amp draw. They can be mounted in any position, are compact, and are designed for easy maintenance.

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.26	0.40
40	1.08	0.49
50	0.96	0.54
60	0.92	0.57

Standard Pump with 6' Power Cord

1.4 GPM open flow, EPDM valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8025-213-236	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.32	0.45
40	1.14	0.58
60	1.07	0.70
100	0.91	0.95

High Pressure Pump with 6' Power Cord

1.6 GPM open flow, Viton valves, Santoprene diaphragm, 100 PSI demand switch.

No.	Ports
SPP8020-833-238	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.52	0.44
40	0.86	0.54
60	0.03	0.61

Standard Pump with

6' Power Cord

1.7 GPM open flow, EPDM valves, Santoprene diaphragm, 60 PSI demand switch, w/ 45 PSI internal bypass.

No.	Ports
SPP8025-733-256	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
20	1.15	0.51
50	0.90	0.65
60	0.84	0.70

Standard Pump with 6' Power Cord

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 60 PSI demand switch.

No.	Ports
SPP8020-513-236	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



PSI	GPM	Amps
10	2.4	0.55
20	2.2	0.60
30	1.9	0.65
40	1.6	0.70

Standard Pump with 6' Power Cord

3.0 GPM open flow, Santoprene valves, Santoprene diaphragm, 45 PSI demand switch.

No.	Ports
SPP2088-594-144	1/2" MSPT

115 VAC BYPASS PUMP



Standard Bypass Pump with 6' Power Cord

1.4 GPM open flow, Viton valves, Santoprene diaphragm, 45 PSI internal bypass.

PSI	GPM	Amps
10	1.4	0.33
40	0.8	0.56

No.	Ports
SPP8020-503-250	3/8" FPT

115 VAC AUTOMATIC DEMAND PUMP



Standard Pump with 6' Power Cord

3.0 GPM open flow, Viton valves, Santoprene diaphragm, 45 PSI demand switch.

PSI	GPM	Amps
10	2.4	0.55
20	2.2	0.60
30	1.9	0.65
40	1.6	0.70

No.	Ports
SPP2088-394-144	1/2" MSPT

FLEXIBLE VANE IMPELLER PUMP

115 VAC IMPELLER PUMP



Standard

Flex-vane Standard 115 VAC pump with 6' power cord.

PSI	GPM	Amps
0	3.8	0.68
5	3.4	0.74
10	2.5	0.77

No.	Ports
SPP3000-100	3/8" FPT

- Used for pumping water, changing oil in equipment vehicles & boats
- Self priming up to 7½" vertical feet (2.3 m)
- Maximum head of 23 feet (10 PSI) (.7 bar)
- Liquid temps from 40°F(5°C) to 185°F(85°C)
- Thermal overload protection
- Stainless steel shaft
- Buna-N impeller and lip seal
- Dual Ports (3/8" FPT x 3/4" MGHT)

FLOJET - 12 VOLT PUMPS

115 VAC



No.	SPP02100840A	SPPD3131E1311A	SPP02100573A	SPP4300-143A	SPP04300504A	SPP02100032A	SPP4300-042A	SPP04300043A
Description	Standard	Standard	Industrial	Quad Model	High Volume	Diaphragm Pump	Diaphragm Pump	Quad Model
Mfg. No	02100840A	2100-647	2100-573	4300-143A	4300-504	02100032A	04300042A	4300-043
US GPM	2.1	1	2	4.7	5	1.9	3.5	5
Max. PSI	50	50	50	45	35-45	60	45	30-45
Ports	3/8" FPT	3/8" FPT	3/8" FPT	3/8" FPT	3/4" HB	3/8" FPT	1/2" HB	3/4" HB
Max. Temp.	130°F (54°C)	130°F (54°C)	130°F (54°C)	130°F (54°C)	130°F (54°C)	130°F (54°C)	130 F (54C)	130°F (54°C)
Max. Amps	8	8	8	8	12	0.55	1.5	1.5
Valve Material	Buna	Santoprene	Santoprene	Buna	Viton	Santoprene	EPDM	EPDM
Diaphragm Material	Buna	Santoprene	Santoprene	Buna	Santoprene	Santoprene	Santoprene	Santoprene
Pump Body Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene

VERSIJET SERIES HIGH CAPACITY PUMPS



With pressures up to 70 PSI (4.8 bar), self-priming capabilities up to 10 feet (wetted), and heavier duty brushes extending the operating life up to 50% longer than existing Flojet Quad Series diaphragm pumps, the Flojet VersiJet pumps are designed to be the most reliable and versatile pumps on the market today. These pumps are the ideal solution for applications including spraying, fluid transfer, filtration, cooling, dispensing and pressure boosting.

- Robust material selection, suitable for handling a broad range of chemicals
- Co-injected molded diaphragm technology, ensuring run dry capability, extending the life of the pump upwards of 50%
- IPX6 rated pump with a sealed motor and pressure switch, providing years of dependable reliability
- Santoprene diaphragm; Viton check valve

No.	Mfg. No.	Description	Volts	GPM	Max PSI	Ports
SPPR8600134A	R8600134A	Demand w/ 70 PSI shutoff pressure switch	12v	6	70	3/4" HB
-	R3521339A	24 VDC Diaphragm Pump, 60 PSI & 4 GPM	24VDC	4	60	1/2" HB
SPPD3225H1411A	D3225H1411A	Flojet 24 VDC - Duplex II Diaphragm Pump	24VDC			

FLOJET



D31X015F PUMP

Part no. SPPD31X015F

- Diaphragm Pump Duplex II 12V, 3/8" FNPT Ports, 2.0GPM, Bypass 50psi, Nylon, Buna Valves, Buna Diaphragm, Metal Base

SHURFLO SWIVEL PUMP FITTINGS



PVC FEMALE SWIVEL ADAPTERS

No.	FPT	HB
SPP234-2916	1/2"	3/8"

PVC FEMALE SWIVEL ELBOW ADAPTERS

No.	FPT	HB
SPP234-3916	1/2"	3/8"
SPP234-3926	1/2"	1/2"

FLOJET FITTINGS FOR QUAD PORTS

No.	Type	Size
SPP20381015	Straight	1/2" HB
SPP20381-017	Elbow	1/2" HB
SPP20381-018	Elbow	3/4" HB

PUMP ACCESSORIES



- 2 GALLON ACCUMULATOR TANK**
- Max. 100 PSI
 - 20 PSI pre-charge

No.	Ports
SPP3400-002	1/2" FPT
SPP181-201	1/2" FPT



- PULSATION DAMPENERS**
- Mounts on outlet of pump
 - Max 3100 PSI
 - 580 PSI pre-charge
 - 0.16 Litre • Weight 1.82 lbs. • Steel alloy

No.	FPT
SPP85.300.047	3/8"

FLOJET VERSIJET PORT ADAPTER KIT
Includes 2 Viton seals

No.	Description
SPP20381702	3/4" HB Straight
SPP20381712	3/4" HB Elbow



TWIST-ON WATER STRAINER

- PVC Body; EPDM Gasket
- 80 mesh screen

No.	In	Out
SPP255-213	1/2" FPT	1/2" MPT
SPP255-223	1/2" FPT	3/8" HB



SHURFLO HEAT SINK

- Assists in cooling
- Fits all pumps

No.	ID x Length
SPP34-007	5"

SHURFLO MINI-BULK PUMPS



The SF-1100 Series Bulk Chemical Pumps are designed for efficiency and power to handle highly viscous fluids.

- Specialized EPDM elastics or Viton option
- 12 volt DC or 110 volt AC motor option
- 20 foot (6 m) cord with alligator clips and in-line fuse (DC only)
- Weather protected on/off switch
- Internal bypass to protect the pump at shut-off
- 2" MPT inlet, 1" FPT outlet
- Capable of priming up to 12 feet (3.7 m)

No.	Valves	Motor
SPWSF-1100	EPDM	12 VDC
SPWSF-1100-110V	EPDM	110 VAC
SPWSF-1105	Viton	12 VDC

Model	PSI	BAR	GPM	L/min	Amps
SF-1100 and SF-1105	0	0.0	10.7	40	9.3
	5	0.3	10.1	38	10.3
	10	0.7	8.7	33	12.3
	15	1.0	7.6	29	13.9

SHURFLO AG RUNNER



The Shurflo AG Runner Transfer Pump System is designed to safely and accurately transfer bulk chemicals to the point of use.

- Industry leading pump
- Portable
- Can be used with a variety of bulk containers
- Built for rugged service with a heavy-duty welded frame
- Simple and accurate flow indicator
- Includes: Chemical Transfer Pump with 12 VDC motor, 20 ft. (6 m) cable, alligator clips and in-line fuse, electronic flow meter, 1" MPT x 12 ft. (3.7 m) EPDM discharge hose with ball valve & spout, and 1" MPT x 12 ft. (3.7m) EPDM inlet hose with 1" elbow, ball valve & cam lock

No.	Flow Meter Type
SPWSF-1100-PTS	Pump-mounted (FM-1100)
SPWSF-1100-PTSi	Inline (FM-1100i)
SPWSF-1105-PTS	Pump-mounted (FM-1100)
SPWSF-1105-PTSi	Inline (FM-1100i)

No.	Description
SPP94-719-00	Diaphragm kit
SPP94-720-00	EPDM valve kit
SPP94-720-05	Viton valve kit

SOTERA CHEMTRAVELER



- 13 GPM
- Top and bottom of tote adapter kits
- 1" x 9' EPDM Hose
- Glass-filled polypropylene housing
- Thermal overload protection
- Tubular frame assembly
- Santoprene diaphragms
- 1" x 12' EPDM Hose
- Max. Temp: 130°F
- Up to 0.1" diameter solids
- 15 PSI
- EPDM seals
- Shutoff ball valve
- 10 ft. suction lift

No.	Mfg. No.	Description
SPPSS465BX713	SS465BX713	115VAC
SPP400G9734	400G9734	Motor 12VDC with Gears

BE CHEMICAL TRANSFER PUMPS



**XSTREAM
POWEREASE
7.0 HP**

- 210cc Powerease engine
- Recoil start & low oil shutdown
- Fuel tank capacity 0.95 Gal. (3.6L)
- Fibreglass reinforced poly pump & impeller
- 26' suction lift

No.	In/Out MPT	GPM	Total Lift
BEPNP-2070R	2"	154	115'
BEPNP-3070R	3"	265	92'



**XSTREAM
HONDA GX200
6.5 HP**

- 196cc Honda engine
- Recoil start & low oil alert
- Fuel tank capacity 0.82 Gal. (3.1L)
- Fibreglass reinforced poly pump & impeller
- 26' suction lift

No.	In/Out MPT	GPM	Total Lift
BEPNP-2065HR	2"	154	115'
BEPNP-3065HR	3"	265	92'



KOHLER SH270

- Kohler SH270 196cc engine
- Steel roll cage
- Fibreglass-reinforced polyester pump body

No.	In/Out MPT	GPM	Total Lift
BEPNP2065K	2"	154	115'

HYPRO POLYPROPYLENE 2" & 3" TRANSFER PUMPS



1543P-130SP
Gas engine



9343P-GM6-SP
Hydraulic



9243P-SP
Pedestal

Achieve the highest performance available in a 3" poly transfer pump (up to 484 GPM) with the highest efficiency and horsepower on the market. Ideal for nurse tank transfer and other closed system applications.

The polypropylene housing and EPDM elastomers protect the pump from most chemicals and corrosive environments.

- Gas engine mount, pedestal mount or hydraulic drive options available
- Gas engine-driven versions powered by field proven
- 13 HP Hypro PowerPro™ engine or Honda GX390
- Housing: 3" x 3" Polypropylene
- Pump Seals: EPDM mechanical
- Suction lift: 25 ft. / 7.62m
- Poly impeller with stainless steel insert

No.	Max. GPM	Max. PSI	Port Size	Engine
SPP1543P-130SP	440	54	3" x 3" FPT	PowerPro 13 HP
SPP1543P-130ESP	440	54	3" x 3" FPT	PowerPro 13 HP w/ elec. start
SPP1543P-130ESP-01	440	54	300 x 300 UF	PowerPro 13 HP w/ elec. start
SPP1543P-390EHSP	440	54	3" x 3" FPT	Honda GX390 w/ elec. start
SPP1543P-390	440	54	3"x3"FLANGE	Honda GX390 w/ elec. start
SPP9243P-SP	460	54	3" x 3" FPT	Pedestal
SPP9343P-GM6-SP	450	52	3" x 3" FPT	Hydraulic
SPP9343P-GM10-SP	484	58	3" x 3" FPT	Hydraulic
SPP9342P-HM1C-5SP	200	58	2" x 2" FPT	Hydraulic
SPP9342P-HM5C-5SP	206	60	2" x 2" FPT	Hydraulic

Replacement Parts:

Black Plate **Part No. SPP0750-1543PK**

Motor Repair Kit for GM6 and GM10 includes all seal and gasket components **Part No. SPP3430-0788**

Standard Seal Kit for 1542P and 1543P **Part No. SPP3430-0799** Consists of (1) Ref. 2, O-ring, (4) Ref. 3 Sealed Washers, (1) Ref. 5 Mechanical Seal, (1) Ref. 8 O-ring, (1) Ref. 10 Outlet Sealed Washer, (2) Ref. 13 O-rings, and (1) Ref. 16 Check Valve

Repair Kit for 1532C **Part No. SPP3430-0775** contains: (1) ref. # 4 flapper, (1) ref. # 6 gasket, (1) ref. # 14 mechanical seal, and (1) ref. # 15 gasket.

CHEMWASH EMERGENCY WASH KIT

Part No. SPP75619

- The ChemWash provides 25 litres of fresh water for emergency rinsing.
- This package includes hoses, fittings, a cradle and a compartment for goggles, gloves and other safety related equipment.



Call for information if part numbers are not listed (-)

1-888-937-7278

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BE WATER TRANSFER PUMPS



GENERAL PURPOSE WATER PUMPS

No.	Size	GPM	PSI	Engine
BEPWP-1020R	1"	42	37	PowerEase
BEPWP-2070S	2"	158	33	PowerEase
BEPHP-2070R	2"	126	85	PowerEase
BEPWP-3070S	3"	264	35	PowerEase

No.	Size	GPM	PSI	Engine
BEPWP-2065HL	2"	158	33	Honda GX200
BEPWP-3065HL	3"	264	35	Honda GX200

No.	Size	GPM	PSI	Engine
BEPWP2065K	2"	158	33	Kohler SH270

TRASH PUMPS

No.	Size	GPM	PSI	Engine
BEPTP-3013HM	3"	370	37	Honda GX390
BEPTP-3070R	3"	264	36	PowerEase 225

No.	Size	GPM	PSI	Engine
BEPTP-2065HT	2"	158	33	GX200
BEPTP-2065HR	2"	180	33	GX200
BEPTP-3065HR	3"	264	36	GX200

BE HIGH PRESSURE WATER PUMPS



**Part No.
BEPWP4013H**



**Part No.
BEPHP-2065HR**



**Part No.
BEPHP-2013HR**

- Fuel Capacity: 6.1L (1.6 US G)
- Engine: Honda GX390
- PSI: 38
- Weight: 112 lbs.
- GPM: 422

- 196cc Honda GX200 engine
- Recoil start & oil alert
- Centrifugal aluminum pump
- Heavy duty aluminum impeller
- 2" MPT Intake & Outlet connection
- 6.5 HP 126 GPM
- 197' Total lift 26' Suction lift

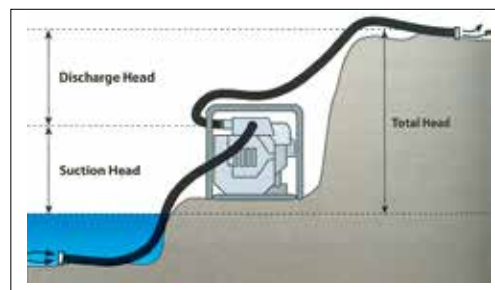
- GX390 389cc Honda engine
- Recoil start & low oil alert
- Fuel tank capacity 1.8 Gal. (6.1L)
- Centrifugal cast iron pump
- Heavy duty aluminum impeller
- 330' Total lift (145 PSI)
- 26' Suction lift
- 2" MPT In/Out
- 140 GPM

No.	Size	GPM	PSI	Engine
BEPHP-2013HR	2"	140	143	Honda GX390
BEPHP-2065HR	2"	126	85	Honda GX200
BEPWP4013H	4"	430	38	Honda GX390

The diagram on the right is to show how to set up a water or trash pump in relation to the water level, suction hose and discharge hose.

Total pump head refers to the amount of lift (suction head) and push (discharge head) a pump is capable of. For best performance, place the pump as near to the water source as possible. This produces the greatest output with the least priming time. Since discharge head capability is always greater than suction head capability, it is important that suction head always be the shorter part of the total head.

Operation Tip: If the unit does not pump water right away, continue to add water through the priming plug until it is full.





SPP200P6PRO

SPPM300PH6

2" & 3" POLY PUMPS W/ GAS ENGINES - 6.5 HP

No.	Description
SPP200P6PRO	2" Poly pump, Briggs & Stratton
SPP200P6PROE	2" Poly pump, Briggs & Stratton w/elec. start
SPP200PH6	2" Poly pump, Honda engine
SPP300P6PRO	3" Poly pump, 6.5 HP Briggs & Stratton
SPW300PH-6	3" Poly pump, 6.5 Honda engine

2" & 3" SUPER POLY MANIFOLD PUMPS W/ GAS ENGINES - 6.5 HP

No.	Description
SPPM220P6PRO	2" FP Manifold super pump, Briggs & Stratton
SPPM220PH6	2" FP Manifold super pump, Honda engine
SPPM300PH6	3" Poly pump, 6.5 Honda engine
SPPM300P11PRO	11 HP Briggs & Stratton w/elec. start & pull rope

2" & 3" HYDRAULIC PUMPS - 12 HP MOTOR

No.	Type	Description
SPP200PIHY	Cast Iron	w/ 40 PSI & 170 GPM
SPP200PHYV	Poly	w/ 3600 RPM & Max 10 Gallons
SPP300PHYV	Poly	w/ 35 PSI & 290 GPM
SPP300PHY	Poly	w/3600 RPM & Max 10 Gallons

CAST IRON PUMPS



SPP200POI

SPP220POI

- Carbon ceramic seal with stainless steel cup and spring with FKM rubber.
- Cast iron construction for rugged dependable service.
- Comes complete and ready for attachment to gasoline engine
- Dynamically balanced impeller.
- Recommended for use with — h.p. electric motor — 3600 RPM.
- Replaceable inlet and outlet flanges.

No.	Description	Weight
SPP222POI	2" Cast Iron Pump Only With Full Impeller	59.9
SPP200POI	2" Cast Iron Pump Only With 3/4" Shaft Sleeve	52.5

- High strength polypropylene
- Corrosion resistant
- Lightweight - portable
- High performance impellers
- EPDM standard, Viton available

* All pumps available with Wetseal Technology, call for pricing

2" & 3" POLY BEARING PEDESTAL PUMPS

No.	Description
SPW200PB	2" Poly pump w/ 3/4" shaft & 3 vane impeller
SPW200PO	2" Poly pump only w/ 3 vane impeller
SPW205PB	2" Poly pump w/ 3/4" shaft & 5 vane impeller
SPW300PB	3" Poly pump w/ 3/4" shaft & 4 vane impeller
SPW300PO	3" Poly pump only With 3/4" Shaft & 4 Vane Impeller
SPW300POW	3" Poly wet seal pump only with full impeller

3" POLY MANIFOLD BEARING PEDESTAL

No.	Description
SPPM300PB	3" w/ 3/4" shaft & 4 vane impeller



3" CAST IRON MANIFOLD WET SEAL PUMP WITH 10 HP THREE PHASE ELECTRIC MOTOR

No.	Description
SPPM332PIE101W	3" Man. Cast/Wet Seal (10hp)

CAST IRON MANIFOLD WET SEAL PUMP



3" Cast Iron Manifold Wet Seal Pump With 10 HP Three Phase Electric Motor

No.	Description
SPPM332PIE10W	2" Cast Iron

M350 SELF-PRIMING CENTRIFUGAL PUMP



500+ GPM INDUSTRY-LEADING FLOW!

The new M350 pump saves money in spraying operations.

M350 FastFlow™ technology utilizing a customized diffuser design greatly increases flow rates. With performance over 500 gallons per minute (see chart), you'll spend less time filling, which means less downtime in the field and most importantly, less cost per acre.



Part Number	Description	Weight
SPPM350PH13W	3" Wet Seal Poly Pump W/13 HP	88.2 lbs.
SPPM350PVAN14W	3" Wet Seal Poly Pump 14 HP Vanguard Gas Engine	102 lbs.
SPPM350POW	3" Wet Seal Poly Pump Only	17 lbs.
SPPM350PBW	3" Wet Seal Poly Pump W/Bearing Pedestal	34.1 lbs.



The FastFlow diffuser design incorporates multiple channels that maximize fluid flow through the pump outperforming traditional one channel volute designs.

NO LEAKS - NO WEAR - NO WORRIES!

Patent pending tandem wet seal design:

- Produces less wear
- Prevents seal breakage from high pressure clean out
- Eliminates eight leak points
- Works with natural system pressure to keep seal intact.
- Withstands over one hour of dry run.



With tandem wet seals, pressure within the pump body acts in the same direction as the inner seal spring, holding the seal closed preventing leaks. Traditional opposed wet seals can be forced open by high internal pump pressure - causing leaks.

- Patent pending tandem wet seal design
- Run dry capability of greater than one hour
- Industry-leading burst pressure
- Wetted components are glass-filled polypropylene or stainless steel
- All 300 series stainless steel hardware
- EPDM seals for broad chemical resistance
- Standard manifold inlet and outlet for easy plumbing
- With safety guard installed, no exposure to moving parts
- Typical operating speed: 3600 RPM
- Capable of handling occasional solid particles up to ½" in diameter
- Maximum self-priming height 25 ft (7.6 m)
- Hydraulic model optimized for suction lift
- Other models optimized for flooded suction



MAX FLOW
3" SUCTION **MAX FLOW**
4" SUCTION

BANJO PUMPS	GAS ENGINE	450 GPM	515 GPM
	ELECTRIC MOTOR	450 GPM	515 GPM
	HYDRAULIC MOTOR	450 GPM	500 GPM
	LEADING COMPETITOR	424 GPM	449 GPM
	BANJO ADVANTAGE	6.1%	14.5%

*Using flooded suction piping

4" PLUMBING FITTINGS

Part Number	Description
SPPM300400A	3" Manifold X 4" Male Coupler
SPPM300400BRB	3" Manifold X 4" Hose Barb



PUMP REPAIR PARTS



No.	Description
SPP13712	13712 Body
SPPM13712	3" Manifold Pump Body Assembly
SPP12712A	12712A 2" Poly Pump Body

No.	Description
SPP13702	13702 3" Poly Pump Volute
SPP12702A	12702A Poly Pump Volute After 1996

No.	Description
SPP12772	12772 5 Vane Impeller Poly Pump
SPP12771A	Poly 3 Vane Impeller
SPP16775	4" 24 HP Pump Impeller, 6 Vane
SPP13771	3" Poly Pump Impeller 4.80 Outside Dia
SPP13772	3" Poly Pump Impeller 5.02 Outside Dia

No.	Description
SPP15035E	Wet Seal Mechanical Seal Assembly EPDM
SPP12713	EPDM Seal Poly Pump Boxed
SPP12713V	FKM Seal Assembly-boxed
SPP16713	3" & 4" Pump Mechanical Seal

3" Full Port Dry-Mate Repair Kit Part No. SPPDM35200

Including Face seal, Ball, Seats, Body gasket, Thrust bearings, Stem bushings

PUMP REPAIR KITS

12000A REPAIR KIT Part No. SPP12000A



12000AV VITON REPAIR KIT Part No. SPP12000AV



3" Pump O-Ring Kit -EPMD Part No. SPP13999



BEARING FOR 3" CAST PEDESTAL Part No. SPP18502



12999A SEAL KIT Part No. SPP12999A



3" PUMP O-RING KIT-FKM Part No. SPP13999V



12719A O-RING Part No. SPP12719A



O-RING SEGMENT Part No. SPP12754



HEAD KIT FOR SMALL ENGINE

No.	Description
SPP3430-0692	3" Poly Transfer Pump Head Kit for Small Engine. *Requires 1" Shaft.

REPLACEMENT PARTS

No.	Description
SPP3430-0757	Seal Repair Kit Hypro 1543P Series Pump EPDM
SPP0400-1543P	Poly Impeller
SPP0401-9100P	Nylon Impeller
SPP0402-9100P	Poly Impeller
SPP0402-9200P	Impeller (Nylon)
SPP0100-1543PK	3" Poly Pump Volute Housing
SPP0401-9200P2	0401-9200P2 Impeller



Seal Set Part No. SPP85.571.162 For 2" chem pump



1" Union Valve End Cap Part No. SPPUV10150



Bearing Pedestal Part No. SPP12282A



0402-9200P



56C Adapter For Poly Pumps-Unassembled Part No. SPP12046



Hydraulic Motor Adapter Shaft Part No. SPP18055H



Adapter Shaft Part No. SPP13055 Adapter Shaft For 3" Poly Wet Seal 11 HP Engine



2" Or 3" Carry Handle For Valves Part No. SPPH25053



Reservoir Backing Plate Part No. SPP19001H



O-Ring #204 Part No. SPPA204 204 O-Ring, EPDM, BLACK

STANDARD LAY FLAT PVC DISCHARGE HOSE (BLUE)

An economical hose for discharge of water and some chemicals.

- Temperature rating: -10°C to 55°C (15°F to 150°F)



No.	I.D.	Max. PSI	Roll
HOS73102	1½"	70	300'
HOS73060	2"	65	300'
HOS73061	3"	55	300'
HOS73104	4"	50	100'
HOS73105	6"	35	100'

HEAVY DUTY LAY FLAT PVC DISCHARGE HOSE (RUST)

- Higher pressure rating
- Excellent for use on fire nozzles
- More abrasive resistant



No.	I.D.	Max. PSI	Roll
SPP86-150	1½"	100	300'
SPP86-200	2"	100	300'
SPP86-250	2½"	100	300'
HOSLF300-BRN	3"	90	300'
SPP86-400	4"	90	100'
SPP86-600	6"	90	100'

PVC SUCTION HOSE

- Uses: Air seeder lines, foam markers, well point systems, liquid fertilizer transfer, irrigation lines
- Smooth bore construction
- Temperature -4°F to 150°F
- Clear with colored helix
- 100 ft. Roll



No.	I.D.	Max. PSI	Roll
HOS73050	3/4"	110	100'
HOS73051	1"	85	100'
HOS73052	1¼"	85	100'
HOS73053	1½"	70	100'
HOS73054	2"	65	100'
HOS73055	2½"	65	100'
HOS73056	3"	65	100'
HOS73057	4"	55	100'
HOS73059	6"	40	100'

Cold Temperature PVC Suction Hose Stays Flexible to -40°F (-40°C)

No.	I.D.	Max. PSI	Roll
SPP81-125C	1¼"	100	100'
SPP81-150C	1½"	90	100'
SPP81-200C	2"	80	100'
SPP81-250C	2½"	65	100'
SPP81-300C	3"	65	100'

EPDM SUCTION HOSE WITH POLY HELIX

EPDM suction combines the best qualities of rubber and plastic. Like PVC suction hoses, it is lightweight, flexible, with a hard, non-marking cover. Like rubber suction hose, it is weather and mild-chemical resistant and will stay flexible at very low temperatures. An excellent choice for septic tank cleaning and in farming, mining, and construction.

- Black EPDM rubber embedded with a bright green polyethylene helix
- Temperature -40°C (-40°F) to 70°C (158°F)
- 50 PSI Max.
- 100 ft. Roll



No.	I.D.	Roll
SPP82-150	1½"	100'
HOSEPD200	2"	100'
HOSEPD300	3"	100'

20 FOOT PVC SUCTION HOSE ASSEMBLIES

Suction hoses come complete with female cam-lock, galvanized combination nipple attached with band clamps.

**Strainer not included



No.	I.D.	Roll
HOSSATW-200-20CKC	2"	20'
HOSSATW-300-20CKC	3"	20'

50 FOOT LAY FLAT DISCHARGE HOSE ASSEMBLIES

Supplied with female and male aluminum cam-locks attached with band clamps.



No.	I.D.	Roll
HOSLFCE2-50	2"	50'
HOSLFCE3-50	3"	50'
HOSLFCE4-50	4"	50'

HEAVY DUTY PLATED STEEL STRAINER



No.	FPT	Hole Size
SPP5963	1½"	1/4"
SPP5964	2"	3/8"
SPP5965	2½"	3/8"
SPP5966	3"	3/8"
SPP5967	4"	3/8"
SPP5969	6"	1/2"
SPP5970	8"	1"

GENERAL PURPOSE EPDM HOSE



- Agriculture spray hose
- Air & water hose
- Excellent resistance to sunlight, ozone, heat, chemical action and abrasion
- Heater hose
- Temperature -20°F to 200°F

BLACK

No.	I.D.	PSI
SPP74-038	3/8"	200
SPP74-050	1/2"	150
SPP74-058	5/8"	150
SPP74-075	3/4"	150
SPP74-100	1"	150
SPP74-125	1¼"	150

RED

No.	I.D.	PSI
SPP73-038	3/8"	250
SPP73-050	1/2"	250
SPP73-075	3/4"	250
SPP73-100	1"	200
SPP73-125	1¼"	150
SPP73-150	1½"	150
SPP73-200	2"	150

FABRIC REINFORCED EPDM SUCTION HOSE

Incorporates polyester fabric reinforcement for applications requiring a greater working pressure. It is often found in liquid fertilizer solution applications.

- Black EPDM rubber tube
- Black polyethylene helix plus one braid of polyester yarn.
- Corrugated polyethylene helix cover with EPDM rubber between.
- Temperature Range: -35°C (-31°F) to 60°C (140°F).
- 100 ft. Roll



No.	I.D.	Max PSI	Roll
SPP82-200RF	2"	100	100'
SPP82-300RF	3"	85	100'

PVC BRAIDED HOSE

- Manufactured from F.D.A. approved resins.
- Working temperature 25°F to 160°F (Max PSI rated at 70°F).
- Transparent, flexible, light
- Nylon braid for higher pressure
- Use with air, mineral salts, plating solution, water, salt water,
- Hydro-carbons, alcohols, and most chemicals, acids and alkalines.



No.	I.D.	O.D.	PSI	Roll
SPP84-018	1/8"	.325	200	300'
SPP84-316	3/16"	.375	250	300'
HOS73063	1/4"	.450	250	300'
SPP84-516	5/16"	.525	250	300'
HOS73046	3/8"	.600	225	300'
HOS73047	1/2"	.740	200	300'
HOS73048	5/8"	.875	200	300'
HOS73049	3/4"	1.025	150	300'
HOS73039	1"	1.312	125	100'
HOS73038	1 1/4"	1.75	100	100'
SPP84-150	1 1/2"	2.00	100	100'
SPP84-200	2"	2.50	75	100'

NYLON TUBING

- Excellent chemical resistance.
- Temperature range -20°F to 230°F (Max PSI rated at 70°F).
- Used for sprayer in cab control line.
- 100 ft. Roll



No.	I.D.	O.D.	Wall	PSI
Type II Flexible				
SPP75-0125	.096	1/8"	.015	200
SPP75-0156	.106	5/32"	.025	250
SPP75-0187	.138	3/16"	.025	200
SPP75-0250	.190	1/4"	.030	200
SPP75-0375	.295	3/8"	.040	250
SPP75-0500	.400	1/2"	.050	200
Type 6 Semi Rigid				
SPP76-0125	.096	1/8"	.015	200
SPP76-0187	.138	3/16"	.020	250
SPP76-0250	.190	1/4"	.030	200
SPP76-0375	.295	3/8"	.040	250
SPP76-0500	.375	1/2"	.062	200

CLEAR VINYL HOSE

- Manufactured from F.D.A. approved resins
- Working temperature 23°F to 158°F (Max PSI rated at 70°F)
- Clear - flexible
- Non-contaminating and excellent range of chemical resistance
- Suitable for air, water, oil, acids, alkalies, and most solvents
- 100 ft. Roll



No.	I.D.	O.D.	PSI	Roll
SPP83-018025	1/8"	1/4"	65	100'
SPP83-316025	3/16"	1/4"	55	100'
SPP83-316516	3/16"	5/16"	55	100'
SPP83-025038	1/4"	3/8"	55	100'
SPP83-516716	5/16"	7/16"	50	100'
SPP83-038050	3/8"	1/2"	45	100'
SPP83-050058	1/2"	5/8"	30	100'
SPP83-050075	1/2"	3/4"	45	100'
HOSCVT-063-075	5/8"	3/4"	40	100'
SPP83-058078	5/8"	7/8"	40	100'
SPP83-075100	3/4"	1"	35	100'
SPP83-100125	1"	1 1/4"	25	100'
HOSCVT-125-150	1 1/4"	1 1/2"	20	100'

LOW DENSITY POLY TUBING

- Manufactured from FDA approved resins
- Temperature -40°F to 160°F (Max PSI rated at 70°F)
- Fungus resistant
- Highly resistant to stress crack
- Good resistance to most chemicals, solvents, acids and alkalies
- Non-corrosive
- Use for air, water



No.	I.D.	O.D.	Wall	PSI
SPP91-170025	.170	1/4"	.040	140
SPP91-316516	3/16"	5/16"	.062	140
SPP91-050038	1/4"	3/8"	.062	125
SPP91-038050	3/8"	1/2"	.062	100
SPP91-050058	1/2"	5/8"	.062	75
SPP91-058075	5/8"	3/4"	.062	60



100 ft. Roll

No.	Color	I.D.	Wall	PSI
1/4" O.D.				
SPP92-025-NAT	Natural	.170	.040	125
SPP92-025-BLK	Black	.170	.040	125
SPP92-025-BLU	Blue	.170	.040	125
5/16" O.D.				
SPP92-516-NAT	Natural	.187	.062	130
SPP92-516-BLK	Black	.187	.062	130
3/8" O.D.				
SPP92-038-NAT	Natural	.250	.062	100
SPP92-038-BLU	Blue	.250	.062	100
SPP92-038-BLK	Black	.250	.062	100
1/2" O.D.				
SPP92-050-NAT	Natural	.375	.062	90
SPP92-050-BLU	Blue	.375	.062	90
SPP92-050-BLK	Black	.375	.062	90

EVA TUBING



- **Applications:** Used in agricultural, lawn, and chemical transfer. Handles common herbicides and insecticide solutions, including Monsanto's Lasso®. Used for the application of anhydrous ammonia, aqua ammonia, herbicides, phosphates and all liquid fertilizers.
- **Construction:** Ethyl vinyl acetate plastic tubing with polyester textile yarn reinforcement.
- **Features:** Good chemical and weather resistance.
- **Temp Range:** -50°F to 125°F

Warning: Not for transfer of anhydrous ammonia under pressure. Recommended for open end discharge only.

EVA TUBING

No.	ID x Wall	Length
HOS73034	1/4" x 1/8"	100'
HOS73030	3/8" x 1/8"	100'
HOS73031	1/2" x 1/8"	100'
HOS73032	3/4" x 1/8"	100'
HOS73033	1" x 1/8"	100'

EVA TUBING - REINFORCED

No.	ID x OD	Length	WP
HOS73063	1/4" x .385"	300'	250#
HOS73064	3/8" x .593"	300'	250#
HOS73065	1/2" x .720"	300'	250#
HOS73066	5/8" x .87"	300'	200#
HOS73067	3/4" x 1"	300'	150#
HOS73068	1" x 1.312"	200'	150#

GRAIN VAC HOSE

This bulk material handling hose is constructed of an abrasion resistant, rubber compound that is also static-dissipative. Specifically designed for products that can be moved by air, such as rock wool, saw dust, and fiberglass, this hose is great for use in ventilation systems where dust is a work hazard, like grain elevators and cement plants. Hose is also ideal for material vacuuming applications like grain vacs.



- Tube Material: Static-dissipating Rubber
- Reinforcement: Black Rigid PVC Helix
- Cover Material: PVC Corrugated
- Temperature: -30°F to 140°F
- Cover Color: Black
- Negative Pressure (in/HG): 28

No.	I.D.	Roll
HOSGV400	4"	100'
HOSGV500	5"	100'
HOSGV600	6"	100'

SCHEDULE 40 PVC PIPE - WHITE



No.	Size	Avg. O.D.	Length	Max PSI	lbs/100ft
SPP77-12	1/2"	0.840	10'	590	16
SPP77-34	3/4"	1.050	10'	480	21
SPP77-100	1"	1.315	10'	450	32
SPP77-114	1 1/4"	1.660	10'	370	42
SPP77-112	1 1/2"	1.900	10'	330	51
SPP77-300	3"	3.500	20'	260	139
SPP77-400	4"	4.500	20'	220	200
SPP77-600	6"	6.625	20'	180	530

• Max PSI rated at 73°F

SCHEDULE 80 PVC PIPE - GREY



No.	Size	Avg. O.D.	Length	Max PSI	lbs/100ft
SPP78-34	3/4"	1.050	20'	690	29
SPP78-100	1"	1.315	20'	630	42
SPP78-114	1 1/4"	1.660	20'	520	58
SPP78-112	1 1/2"	1.900	20'	470	68
SPP78-200	2"	2.375	20'	420	94
SPP78-300	3"	3.500	20'	370	193

• Max PSI rated at 73°F

FLEXIBLE CONNECTORS

- Allows two dissimilar pipe materials and/or sizes to be connected quickly and easily in sewer, drain, waste and vent piping applications.
- 140°F Max Temp
- 4 PSI Max.



FLEXIBLE COUPLING

No.	Size
SPPFRC56-12	1¼" x 1¼"
SPPFRC56-1512	1½" x 1¼"
SPPFRC56-15	1½" x 1½"
SPPFRC56-2015	2" x 1½"
SPPFRC56-20	2" x 2"
SPPFRC56-3015	3" x 1½"
SPPFRC56-3020	3" x 2"
SPPFRC56-30	3" x 3"
SPPFRC56-4015	4" x 1½"
SPPFRC56-4020	4" x 2"
SPPFRC56-4030	4" x 3"
SPPFRC56-40	4" x 4"
SPPFRC56-5040	5" x 4"
SPPFRC56-50	5" x 5"
SPPFRC56-6040	6" x 4"
SPPFRC56-60	6" x 6"

QUICK DRAIN TRAP

No.	Size
SPPFRQDTC-15	1½" x 1¼"

FLEXIBLE TEE

No.	Size
SPPFRQT-15	1½"
SPPFRQT-20	2"
SPPFRQT-30	3"
SPPFRQT-40	4"

NO-HUB COUPLING

No.	Size
SPPNHC-15	1½"
SPPNHC-20	2"
SPPNHC-30	3"
SPPNHC-40	4"
SPPNHC-50	5"
SPPNHC-60	6"

FLEXIBLE END CAP

No.	Size
SPPFREC-20	2"
SPPFREC-30	3"
SPPFREC-40	4"
SPPFREC-60	6"

FLEXIBLE ELBOW

No.	Size
SPPFRQE-15	1½" x 1½"
SPPFRQE-20	2" x 2"
SPPFRQE-30	3" x 3"
SPPFRQE-40	4" x 4"

PIPE CLAMPS

OATEY PIPE CLAMPS



No.	Size	Bag
Half Clamp		
SPPPEX-JC-10	1/2"	12
SPP33902	1"	12

KWIK HOSE CUTTERS



No.	Replacement Blades
SPP1519SS	Stainless steel 1"
SPP1520SS	Stainless steel 1½"
SPP1523	Stainless steel 2"
SPP1519	PTFE 1"
SPP1520	PTFE 1½"



No.	Description
SPP1527	Spring action - cuts up to 1"
SPP1528	Spring action - cuts up to 1½"
SPP1529	Spring action - cuts up to 2"
SPP1518	Cuts up to 1"
SPP1517	Cuts up to 1½"
SPP1516	Cuts up to 2"
SPP1515	Leather pouch

L'I'L NIPPER HOSE CUTTER

Part No. **SPP73070**

REPLACEMENT BLADES (2 PK)

Part No. **SPP010 B8983**



PUNCH CLAMPS



CARBON PUNCH CLAMP

Part No. **SPPP-1000**



CARBON PUNCH CLAMP - 5/8" WIDTH

No.	Size
SPPPC-6	1½"
SPPPC-8	2"
SPPPC-10	2½"
SPPPC-12	3"
SPPPC-16	4"
SPPPC-20	5"
SPPPC-24	6"



STAINLESS STEEL PUNCH CLAMP

No.	Size
SPPPC-6S	1½"
SPPPC-8S	2"
SPPPC-10S	2½"
SPPPC-12S	3"
SPPPC-16S	4"
SPPPC-20S	5"
SPPPC-24S	6"
SPPPC-28S	7"

CABLE TIES



Nylon White		UV Resistant Black		Qty.	Length	Tensile Strength	Max. Diameter	Approx Width
No.	No.							
SPPCT018-04	SPPCTW018-04	100	4"	18 lbs	5/8"	.10"		
SPPCT030-05.6	SPPCTW030-05.6	100	5½"	40 lbs	1¼"	.13"		
SPPCT040-08.5	SPPCTW040-08.5	100	8½"	40 lbs	2"	.13"		
SPPCT040-11.5	SPPCTW040-11.5	100	11½"	40 lbs	3"	.146"		
SPPCT040-14.5	SPPCTW040-14.5	100	14½"	50 lbs	4"	.146"		
UV Resistant Lashing Tie								
SPPCTW120-14.2		100	14.2"	120 lbs	4"	.30"		
SPPCTW120-24.2		50	24.2"	175 lbs	7"	.30"		
SPPCTW175-36		50	36"	175 lbs	10¾"	.345"		
SPPCTW175-41		50	41"	175 lbs	12"	.345"		

Call for information if part numbers are not listed (-)

CABLE TIE ASSORTMENTS



(Display Stands Not Included)

SHP54154

SHP54155

SHP54157

Part Number	Description
SHP54154	510 Pc Cable Tie Assortment
SHP54155	1210 Pc Cable Tie Assortment
SHP54157	1710 Assorted Cable Ties
SHP54410	4" Light Duty 100 Pc Cable Tie-Nat
SHP54412	4" Light Duty 100 Pc Cable Tie Blk
SHP54414	5" Light Duty 100 Pc Cable Tie Blk
SHP54416	5" Light Duty 100 Pc Cable Tie-Nat
SHP54418	8" Std Duty 100 Pc Cable Tie-Nat
SHP54420	8" Std Duty 100 Pc Cable Tie-Black
SHP54422	8" Light Duty 100 Pc Cable Tie-Blk
SHP54424	8" Light Duty 100 Pc Cable Tie-Nat
SHP54426	8" Heavy Duty 100 Pc Cable Tie-Blk
SHP54430	8" Scrw Mount 100 Pc Cable Tie-Blk
SHP54432	8" Std Duty 100 Pc Cable Tie-Orange
SHP54434	8" Std Duty 100 Pc Cable Tie-Yellow
SHP54436	8" Std Duty 100 Pc Cable Tie-Blue
SHP54438	8" Std Duty 100 Pc Cable Tie- Red
SHP54440	8" Std Duty 100 Pc Cable Tie-Green
SHP54444	11" Std Duty 100 Pc Cable Tie-Black
SHP54446	11" Std Duty 100 Pc Cable Tie-Nat
SHP54448	11" Std Duty 100pc Cable Tie Asst
SHP54454	14" Std Duty 100 Pc Cable Tie-Black
SHP54456	14" Std Duty 100 Pc Cable Tie Asst
SHP54458	14" Std Duty 100 Pc Cable Tie-Nat

CLAMPS



SUPER CLAMP

(Call for information if part numbers are not listed)



Part Number	Band Width	Size Range		Stainless Steel Part Number
		From	To	
SPP75792	25/32"	11 /16"	3/4"	-
SPP75793	25/32"	13/16"	29/32"	-
SPP75794	25/32"	29/32"	1"	-
SPP75795	25/32"	1-1/16"	1-5/32"	-
SPP75796	7/8"	1-5/32"	1-7/32"	-
SPP75797	7/8"	1-7/32"	1-5/16"	-
SPP75798	7/8"	1-7/16"	1-9/16"	SPP75827
SPP75800	7/8"	1-11/16"	1-27/32"	-
SPP75801	7/8"	1-27/32"	2"	-
SPP75802	7/8"	2"	2-5/32"	-
SPP75803	7/8"	2-5/32"	2-5/16"	-
SPP75804	7/8"	2-5/16"	2-15/32"	-
SPP75805	7/8"	2-15/32"	2-11/16"	-
SPP75806	1-5/64"	2-11/16"	2-7/8"	-
SPP75807	1-5/64"	2-7/8"	3-3/32"	-
SPP75808	1-5/64"	3-3/32"	3-5/16"	SPP75830
SPP75809	1-5/64"	3-5/16"	3-9/16"	SPP75831
SPP75810	1-5/64"	3-9/16"	3-13/16"	-
SPP75811	1-5/64"	3-13/16"	4-3/32"	-
SPP75812	1-5/64"	4-3/32"	4-3/8"	-
SPP75813	1-5/64"	4-3/8"	4-3/4"	-
SPP75814	1-5/64"	4-3/4"	5-1/8"	-
SPP75815	1-7/32"	5-1/8"	5-1/2"	SPP75832
SPP75816	1-7/32"	5-1/2"	5-7/8"	-
SPP75817	1- 7/32"	5-7/8"	6-3/8"	-
SPP75818	1- 7/32"	6-3/8"	6-7/8"	-
SPP75819	1- 7/32"	6-7/8"	7-3/8"	-
SPP75821	1- 7/32"	7-7/8"	8-3/8"	-

SS-T-BOLT SUPER CLAMPS

- 3 spot welds for extra strength.
- 360° sealing surface. Ideal for high torque applications.
- Nylon lock nut feature. Stainless steel bolt with silver plated nut to prevent seizing. Stainless steel construction.
- Str N, Positive connections where ordinary hose clamps fail.



Part No.	Size
SPPTC130	1-5/16" - 1-11/16"
SPPTC162	1-5/8" - 1-7/8"
SPPTC181	1-13/16" - 2-1/16"
SPPTC193	1-15/16" - 2-3/16"
SPPTC224	2-1/4" - 2-1/2"
SPPTC312	3-1/8" - 3-1/2"
SPPTC425	4-1/4" - 4-9/16"
SPPTC162	1.62"-1.87"
SPPTC218	2.18" - 2.50"
SPPTC231	2.31" - 2.63"
SPPTC250	2.50" - 2.81"
SPPTC287	2.87" - 3.18"
SPPTC331	3.31" - 3.62"
SPPTC343	3.50" - 3.82"
SPPTC438	4.38" - 4.76"
SPPTC150	1.50" - 1.75"



HEAVY DUTY BOLT CLAMPS

- 430 Stainless Steel band with bevelled edge
- Zink Plated Bolt
- No. is size in millimeters

No.	Size
<i>0.708" Band</i>	
SPPC17-19	0.67" - 0.75"
SPPC19-21	0.75" - 0.83"
SPPC21-23	0.83" - 0.91"
SPPC25-27	0.98" - 1.06"
SPPC27-29	1.06" - 1.14"
<i>0.787" Band</i>	
SPPC29-31	1.14" - 1.22"
SPPC37-40	1.46" - 1.57"
SPPC40-43	1.57" - 1.69"
SPPC43-47	1.69" - 1.85"
SPPC47-51	1.85" - 2.01"
SPPC55-59	2.17" - 2.32"
SPPC59-63	2.32" - 2.48"
<i>0.984" Band</i>	
SPPC68-73	2.68" - 2.87"
SPPC73-79	2.87" - 3.11"
SPPC79-85	3.11" - 3.35"
SPPC85-91	3.35" - 3.58"
SPPC91-97	3.58" - 3.82"
SPPC97-104	3.82" - 4.09"
SPPC104-112	4.09" - 4.41"
SPPC112-121	4.41" - 4.76"
SPPC121-130	4.76" - 5.12"
<i>1.024" Band</i>	
SPPC131-139	5.16" - 5.47"
SPPC140-148	5.51" - 5.83"
SPPC149-161	5.87" - 6.34"
SPPC162-174	6.38" - 6.85"
SPPC175-187	6.89" - 7.36"
SPPC188-200	7.40" - 7.87"
SPPC201-213	7.91" - 8.39"
SPPC214-226	8.43" - 8.90"
SPPC227-239	8.94" - 9.41"
SPPC240-252	9.45" - 9.92"



316 STAINLESS STEEL PINCH CLAMPS

No.	Size
SPP3628SS	1/8"
SPP3645SS	1/8"
SPP3649SS	1/2"
SPP3650SS	1 5/8"
SPP3651SS	1 3/4"



T-BOLT HOSE CLAMPS

- All Stainless Steel construction
- Ideal for high torque applications
- 360° sealing surface

No.	Size
SPPG89-022	1.38" - 1.56"
SPPG89-024	1.50" - 1.69"
SPPG89-026	1.62" - 1.81"
SPPG89-028	1.75" - 2.00"
SPPG89-030	1.88" - 2.13"
SPPG89-032	2.00" - 2.25"
SPPG89-034	2.13" - 2.38"
SPPG89-036	2.25" - 2.56"
SPPG89-038	2.38" - 2.69"
SPPG89-040	2.50" - 2.81"
SPPG89-042	2.63" - 2.94"
SPPG89-044	2.75" - 3.06"
SPPG89-046	2.88" - 3.15"
SPPG89-049	3.06" - 3.38"
SPPG89-052	3.25" - 3.56"
SPPG89-054	3.38" - 3.69"
SPPG89-057	3.56" - 3.88"
SPPG89-061	3.81" - 4.13"
SPPG89-065	4.06" - 4.38"
SPPG89-069	4.31" - 4.63"
SPPG89-073	4.56" - 4.88"
SPPG89-077	4.81" - 5.13"
SPPG89-081	5.06" - 5.38"
SPPG89-085	5.31" - 5.63"
SPPG89-089	5.56" - 5.88"
SPPG89-096	6.00" - 6.32"
SPPG89-100	6.25" - 6.56"
SPPG89-104	6.50" - 6.81"
SPPG89-108	6.75" - 7.06"
SPPG89-116	7.25" - 7.56"
SPPG89-124	7.75" - 8.06"
SPPG89-132	8.25" - 8.56"
SPPG89-148	9.25" - 9.56"
SPPG89-164	10.25" - 10.56"



NYLON HOSE CLAMPS

- Corrosion resistant
- Fast installation & removal
- Patented design eliminates leaks

No.	Size
SPP3611	0.24" - 0.26"
SPP3612	0.36" - 0.39"
SPP3614	0.48" - 0.57"
SPP3615	0.54" - 0.61"
SPP3621	1.03" - 1.19"
SPP3622	1.25" - 1.42"
SPP3624	1.59" - 1.81"
SPP3625	1.80" - 2.11"
SPP3626	1.87" - 2.12"
SPP3627	2.12" - 2.40"



GLOBAL "GS" SERIES

- Plated carbon screw
- 301 SS band & housing

No.	Size
<i>Mini Clamp 3/8" Band, 1/4" Screw</i>	
SPPHF-4	1/4" - 5/8"
SPPHF-5	5/16" - 7/8"
<i>Standard 1/2" Band, 5/16" Screw</i>	
SPPHF-6	3/8" - 7/8"
SPPHF-8	7/16" - 1"
SPPHF-10	1/2" - 1 1/16"
SPPHF-12	1/2" - 1 1/4"
SPPHF-16	11/16" - 1 1/2"
SPPHF-20	1" - 1 3/4"
SPPHF-24	1" - 2"
SPPHF-28/30	1 1/16" - 2 3/8"
SPPHF-32	1 1/2" - 2 1/2"
SPPHF-36	1 3/4" - 2 3/4"
SPPHF-40	2" - 3"
SPPHF-44	2 1/4" - 3 1/4"
SPPHF-48	2 1/2" - 3 1/2"
SPPHF-52	2 3/4" - 3 3/4"
SPPHF-56	3" - 4"
SPPHF-64	2 1/2" - 4 1/2"
SPPHF-72	3" - 5"
SPPHF-80	3 1/2" - 5 1/2"
SPPHF-84	4 3/8" - 5 1/16"
SPPHF-88	4" - 6"
SPPHF-96	4 1/2" - 6 1/2"
SPPHF-104	5" - 7"
SPPHF-116	5 3/4" - 7 3/4"
SPPHF-124	6 7/8" - 8 1/4"
SPPHF-128	7 5/8" - 8 1/2"
SPPHF-152	8" - 10"
SPPHF-156	8 7/8" - 10 1/4"
SPPHF-188	10 1/2" - 12 1/4"
SPPHF-212	12 2/16" - 13 3/8"
SPPHF-224	11 5/8" - 14 1/2"



GLOBAL "GS" 300 SS SERIES

- 304 SS screw
- 301 SS band & housing

No.	Size
<i>Mini Clamp 3/8" Band, 1/4" Screw</i>	
SPPHF-4-SS	1/4" - 5/8"
SPPHF-5-SS	5/16" - 7/8"
<i>Standard 1/2" Band, 5/16" Screw</i>	
SPPHF-6-SS	3/8" - 7/8"
SPPHF-8-SS	7/16" - 1"
SPPHF-10-SS	1/2" - 1 1/16"
SPPHF-12-SS	1/2" - 1 1/4"
SPPHF-16-SS	11/16" - 1 1/2"
SPPHF-20-SS	1" - 1 3/4"
SPPHF-24-SS	1" - 2"
SPPHF-28/30-SS	1 1/16" - 2 3/8"
SPPHF-32-SS	1 1/2" - 2 1/2"
SPPHF-36-SS	1 3/4" - 2 3/4"
SPPHF-40-SS	2" - 3"
SPPHF-44-SS	2 1/4" - 3 1/4"
SPPHF-48-SS	2 1/2" - 3 1/2"
SPPHF-52-SS	2 3/4" - 3 3/4"
SPPHF-56-SS	3" - 4"
SPPHF-64-SS	2 1/2" - 4 1/2"
SPPHF-72-SS	3" - 5"
SPPHF-80-SS	3 1/2" - 5 1/2"
SPPHF-88-SS	4" - 6"
SPPHF-96-SS	4 1/2" - 6 1/2"
SPPHF-104-SS	5" - 7"
SPPHF-116-SS	5 3/4" - 7 3/4"
SPPHF-128-SS	6 1/2" - 8 1/2"
SPPHF-140-SS	7 1/4" - 9 1/4"
SPPHF-152-SS	8" - 10"
SPPHF-160-SS	9 1/8" - 10 1/2"
SPPHF-180-SS	10 3/4" - 12 1/4"
SPPHF-212-SS	12 5/16" - 13 3/8"



ZINC PLATED STEEL PINCH CLAMPS

No.	Size
SPP3628	1/8"
SPP3631	1/4"
SPP3643	1"
SPP3649	1 1/2"
SPP3650	1 5/8"
SPP3651	1 3/4"



No.	Mfg. No.	Size	
		A	B
SPPUB100	UB100	1 5/8" x 1 5/8"	
SPPUB202	UB202	3 7/8" x 2 1/2"	
SPPUB220	UB220	4 3/8" x 2 1/2"	

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