COMBO-JET ® 80º Tip-Cap Performance Specifications

For standard Sprayers

Please Note:
1. Flow rates based on water (80°F), applied at 20" spacing.
2. For applications where a uniform pattern is required, recommended pressure ranges for Tip-Caps are shown.
3. Cap color determined by flow rate, as per ISO standard.
4. In order to make this chart easier to use, not all available tip-cap sizes are shown. For specifications for 005, 0067, 30, 40, 50 & 60 size Tip-Caps, visit Wilger website.



Recommended Pressure: 20-70 PSI



Recommended Pressure: 20-100 PSI



Recommended Pressure: 25-100 PSI



Recommended Pressure: 30-100 PSI



Tip Cap No.	Flow Rate USGPM	PSI	Application Rate - US Gallons / Acre @ 20" Sprayer Speed - Miles / Hour 5.0	7.5	10.0	12.5	15.0	17.5	20.0	VMD (Droplet Size in µ); %<141µ (Drift %); %<200µ (Drift %); %<600µ (Small Droplets) 80° ER Series VMD	<141	<200	<600	80° SR Series VMD	<141	<200	<600	80° MR Series VMD	<141	<200	<600	80° DR Series VMD	<141	<200	<600	Tip-Cap & Part No. Tip-Cap	Part #
																										Strainer part #	
01	0.07	20	4.2	2.8	2.1	1.7	1.4	1.2	1.1	175	29%	64%	100%	292	8%	22%	97%	-	-	-	-	-	-	-	-	ER80-01	40270-01
	0.09	30	5.1	3.4	2.6	2.1	1.7	1.5	1.3	156	41%	74%	100%	233	21%	39%	97%	218	23%	44%	97%	312	10%	21%	94%	SR80-01	40288-01
	0.10	40	5.9	4.0	3.0	2.4	2.0	1.7	1.5	143	49%	81%	100%	199	29%	51%	97%	191	30%	54%	97%	274	14%	29%	96%	MR80-01	40290-01
	0.11	50	6.6	4.4	3.3	2.7	2.2	1.9	1.7	134	56%	87%	100%	176	36%	61%	98%	173	36%	61%	97%	248	17%	34%	98%	DR80-01	40280-01
	0.12	60	7.3	4.8	3.6	2.9	2.4	2.1	1.8	128	62%	91%	100%	159	41%	68%	98%	159	40%	68%	97%	229	19%	39%	99%	100 Mesh - Green	
	0.13	70	7.9	5.2	3.9	3.1	2.6	2.2	2.0	122	66%	95%	100%	146	46%	75%	98%	148	44%	73%	97%	214	21%	43%	100%	40251-00	
015	0.11	20	6.3	4.2	3.2	2.5	2.1	1.8	1.6	199	21%	50%	100%	317	8%	19%	93%	-	-	-	-	-	-	-	-	ER80-015	40270-015
	0.13	30	7.7	5.1	3.9	3.1	2.6	2.2	1.9	180	29%	59%	100%	262	16%	32%	95%	323	10%	21%	94%	418	4%	9%	87%	SR80-015	40288-015
	0.15	40	8.9	5.9	4.5	3.6	3.0	2.5	2.2	167	34%	65%	100%	230	22%	41%	96%	283	14%	28%	96%	380	6%	12%	90%	MR80-015	40290-015
	0.17	50	10.0	6.6	5.0	4.0	3.3	2.8	2.5	158	39%	70%	100%	207	26%	48%	97%	256	17%	34%	97%	353	7%	15%	92%	DR80-015	40280-015
	0.18	60	10.9	7.3	5.5	4.4	3.6	3.1	2.7	151	42%	74%	100%	191	30%	54%	97%	236	20%	38%	98%	332	8%	17%	94%	100 Mesh - Green	
	0.20	70	11.8	7.9	5.9	4.7	3.9	3.4	2.9	145	46%	77%	100%	177	33%	58%	98%	220	22%	42%	99%	316	9%	19%	95%	40251-00	
02	0.14	20	8.4	5.6	4.2	3.4	2.8	2.4	2.1	184	28%	57%	100%	295	9%	21%	93%	-	-	-	-	-	-	-	-	ER80-02	40270-02
	0.17	30	10.3	6.9	5.1	4.1	3.4	2.9	2.6	170	34%	62%	100%	257	16%	31%	95%	326	8%	18%	94%	454	3%	7%	80%	SR80-02	40288-02
	0.20	40	11.9	7.9	5.9	4.8	4.0	3.4	3.0	161	38%	66%	100%	233	20%	38%	96%	298	11%	24%	94%	419	4%	10%	84%	MR80-02	40290-02
	0.22	50	13.3	8.9	6.6	5.3	4.4	3.8	3.3	155	42%	70%	100%	216	24%	44%	97%	277	14%	28%	95%	394	5%	12%	87%	DR80-02	40280-02
	0.24	60	14.5	9.7	7.3	5.8	4.8	4.2	3.6	150	45%	72%	100%	203	27%	48%	98%	262	16%	31%	95%	375	6%	14%	88%	50 Mesh - Red	
	0.26	70	15.7	10.5	7.9	6.3	5.2	4.5	3.9	145	47%	74%	99%	193	30%	52%	98%	249	17%	34%	95%	359	7%	15%	90%	40250-00	
025	0.18	20	10.5	7.0	5.3	4.2	3.5	3.0	2.6	232	17%	38%	100%	341	6%	15%	89%	-	-	-	-	-	-	-	-	ER80-025	40270-025
	0.22	30	12.9	8.6	6.4	5.1	4.3	3.7	3.2	209	23%	46%	100%	296	11%	24%	93%	425	5%	10%	81%	460	3%	8%	77%	SR80-025	40288-025
	0.25	40	14.9	9.9	7.4	5.9	5.0	4.2	3.7	194	28%	51%	100%	268	15%	30%	94%	382	6%	14%	85%	430	4%	10%	81%	MR80-025	40290-025
	0.28	50	16.6	11.1	8.3	6.6	5.5	4.7	4.2	182	31%	56%	100%	248	18%	35%	95%	353	8%	17%	87%	408	5%	12%	83%	DR80-025	40280-025
	0.31	60	18.2	12.1	9.1	7.3	6.1	5.2	4.5	174	34%	59%	100%	233	20%	39%	96%	330	9%	19%	89%	391	6%	13%	85%	50 Mesh - Red	
	0.33	70	19.6	13.1	9.8	7.9	6.5	5.6	4.9	167	37%	62%	100%	221	22%	42%	97%	312	10%	21%	90%	377	7%	15%	86%	40250-00	
03	0.21	20	12.6	8.4	6.3	5.0	4.2	3.6	3.2	249	17%	38%	99%	400	5%	9%	86%	-	-	-	-	-	-	-	-	ER80-03	40270-03
	0.26	30	15.4	10.3	7.7	6.2	5.1	4.4	3.9	228	23%	45%	99%	344	9%	17%	89%	432	5%	10%	81%	481	3%	7%	72%	SR80-03	40288-03
	0.30	40	17.8	11.9	8.9	7.1	5.9	5.1	4.5	215	26%	49%	99%	309	12%	23%	91%	390	7%	14%	85%	447	4%	9%	77%	MR80-03	40290-03
	0.34	50	19.9	13.3	10.0	8.0	6.6	5.7	5.0	205	29%	53%	99%	285	15%	27%	92%	360	8%	17%	88%	422	5%	11%	80%	DR80-03	40280-03
	0.37	60	21.8	14.5	10.9	8.7	7.3	6.2	5.5	197	32%	55%	99%	266	17%	31%	93%	337	9%	19%	89%	403	6%	13%	83%	50 Mesh - Red	
	0.40	70	23.6	15.7	11.8	9.4	7.9	6.7	5.9	191	34%	58%	99%	251	18%	34%	93%	319	10%	21%	91%	387	7%	14%	84%	40250-00	
04	0.28	20	16.8	11.2	8.4	6.7	5.6	4.8	4.2	251	16%	34%	99%	399	3%	11%	83%	-	-	-	-	-	-	-	-	ER80-04	40270-04
	0.35	30	20.6	13.7	10.3	8.2	6.9	5.9	5.1	230	21%	40%	99%	344	7%	19%	87%	420	5%	11%	80%	543	2%	5%	62%	SR80-04	40288-04
	0.40	40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	216	24%	44%	99%	310	10%	24%	89%	385	7%	15%	84%	507	3%	7%	68%	MR80-04	40290-04
	0.45	50	26.6	17.7	13.3	10.6	8.9	7.6	6.6	206	26%	48%	99%	286	12%	28%	91%	360	9%	18%	86%	480	4%	8%	72%	DR80-04	40280-04
	0.49	60	29.1	19.4	14.5	11.6	9.7	8.3	7.3	198	28%	51%	99%	267	14%	32%	92%	341	10%	20%	88%	460	4%	9%	75%	50 Mesh - Red	
	0.53	70	31.4	21.0	15.7	12.6	10.5	9.0	7.9	192	29%	53%	99%	253	15%	34%	92%	326	11%	22%	89%	443	5%	10%	77%	40250-00	
05	0.35	20	21.0	14.0	10.5	8.4	7.0	6.0	5.3	296	11%	24%	95%	445	3%	8%	78%	-	-	-	-	-	-	-	-	ER80-05	40270-05
	0.43	30	25.7	17.1	12.9	10.3	8.6	7.3	6.4	267	16%	31%	95%	381	7%	15%	83%	504	3%	7%	68%	574	2%	4%	56%	SR80-05	40288-05
	0.50	40	29.7	19.8	14.9	11.9	9.9	8.5	7.4	248	20%	36%	95%	342	10%	20%	86%	466	4%	9%	73%	538	2%	5%	62%	MR80-05	40290-05
	0.56	50	33.2	22.1	16.6	13.3	11.1	9.5	8.3	235	22%	40%	95%	314	12%	24%	87%	438	5%	11%	77%	512	3%	7%	67%	DR80-05	40280-05
	0.61	60	36.4	24.2	18.2	14.5	12.1	10.4	9.1	224	25%	43%	95%	293	14%	27%	89%	417	6%	12%	79%	492	3%	8%	70%	50 Mesh - Red	
	0.66	70	39.3	26.2	19.6	15.7	13.1	11.2	9.8	215	26%	46%	95%	277	15%	30%	90%	400	6%	14%	81%	475	4%	8%	72%	40250-00	
06	0.42	20	25.2	16.8	12.6	10.1	8.4	7.2	6.3	322	12%	20%	92%	466	3%	7%	74%	-	-	-	-	-	-	-	-	ER80-06	40270-06
	0.52	30	30.9	20.6	15.4	12.3	10.3	8.8	7.7	296	17%	25%	91%	420	5%	11%	81%	526	2%	6%	64%	596	1%	4%	51%	SR80-06	40288-06
	0.60	40	35.6	23.8	17.8	14.3	11.9	10.2	8.9	279	20%	29%	91%	390	7%	14%	84%	492	3%	8%	70%	564	2%	5%	57%	MR80-06	40290-06
	0.67	50	39.8	26.6	19.9	15.9	13.3	11.4	10.0	267	22%	32%	90%	368	8%	17%	86%	468	4%	9%	73%	540	2%	7%	61%	DR80-06	40280-06
	0.73	60	43.6	29.1	21.8	17.5	14.5	12.5	10.9	257	24%	35%	90%	351	9%	18%	88%	448	5%	10%	76%	521	3%	8%	64%	50 Mesh - Red	
	0.79	70	47.1	31.4	23.6	18.9	15.7	13.5	11.8	249	26%	37%	90%	337	10%	20%	89%	433	5%	11%	78%	505	3%	9%	66%	40250-00	

Droplet Categories as per **ASABE S572.1** Classification (2009-current)

■ Extremely Fine ■ Very Fine ■ Fine ■ Medium ■ Coarse ■ Very Coarse □ Extremely Coarse ■ Ultra Coarse

VMD
Volume Median Diameter
Size of the median droplet in microns (µ) for a sprayed volume. Half of the volume is made up of droplets smaller than the VMD; half is made up of droplets larger.

% <141µ
% Driftable Fines
Percentage of volume which is likely to drift. 141µ is now replacing 200µ as the new standard for driftable fines.

% <200µ
% Driftable Fines
Percentage of volume which is likely to drift. 200µ is shown for reference. 141µ is used as the new standard for driftable fines.

% <600µ
% Useful Droplets
Percentage of volume which is made up of 'useful' droplets. As the distribution of useful droplets lowers, coverage is reduced.

Strainer Mesh & Tips
Recommended Strainer mesh
Mesh of strainer determined by the size of a tip. For larger tips (08+), strainers are not required.