



# FOR STANDARD SPRAYERS

## COMBO-JET® 110° Tip-Cap Performance Specifications

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 our website.		ER 110-XX TIP SERIES <small>Recommended Pressure: 20-70 PSI</small>							SR 110-XX TIP SERIES <small>Recommended Pressure: 20-100 PSI</small>				MR 110-XX TIP SERIES <small>Recommended Pressure: 25-100 PSI</small>				DR 110-XX TIP SERIES <small>Recommended Pressure: 30-100 PSI</small>				SPRAY TIP PART #						
Tip Cap No.	Flow Rate IGPM	PSI	Application Rate - Imperial Gal/Acre @ 20"								VMD (Droplet Size in $\mu$ ); %<141 $\mu$ (Drift %); %<200 $\mu$ (Drift %); %<600 $\mu$ (Small Droplets)												Tip-Cap & Part No.				
			@ Sprayer Speed - MPH (rounded)								110° ER Series				110° SR Series				110° MR Series				110° DR Series				Tip-Cap
			8	12	16	20	24	28	32	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	Strainer	
08	0.47	20	28.0	18.7	14.0	11.2	9.3	8.0	7.0	327	14%	26%	91%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-08	40281-08
	0.58	30	34.3	22.9	17.1	13.7	11.4	9.8	8.6	290	17%	32%	93%	453	6%	12%	67%	531	4%	8%	53%	614	3%	5%	40%	SR110-08	40287-08
	0.67	40	39.6	26.4	19.8	15.8	13.2	11.3	9.9	264	20%	36%	95%	408	7%	15%	74%	483	5%	10%	61%	569	4%	6%	47%	MR110-08	40291-08
	0.75	50	44.3	29.5	22.1	17.7	14.8	12.6	11.1	244	22%	39%	95%	374	9%	17%	79%	446	6%	12%	67%	534	4%	7%	51%	DR110-08	40286-08
	0.82	60	48.5	32.3	24.2	19.4	16.2	13.9	12.1	228	23%	42%	96%	346	10%	18%	82%	416	7%	13%	70%	506	4%	8%	55%	-	-
	0.88	70	52.4	34.9	26.2	21.0	17.5	15.0	13.1	214	25%	44%	97%	322	11%	19%	84%	391	7%	14%	73%	482	5%	9%	57%	-	-
10	0.59	20	35.0	23.3	17.5	14.0	11.7	10.0	8.8	362	10%	24%	88%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-10	40281-10
	0.72	30	42.9	28.6	21.4	17.1	14.3	12.2	10.7	325	14%	29%	90%	470	6%	11%	62%	523	4%	8%	53%	672	3%	4%	32%	SR110-10	40287-10
	0.83	40	49.5	33.0	24.8	19.8	16.5	14.1	12.4	298	17%	33%	92%	424	7%	14%	70%	478	5%	9%	59%	635	3%	5%	37%	MR110-10	40291-10
	0.93	50	55.3	36.9	27.7	22.1	18.4	15.8	13.8	277	19%	35%	93%	388	8%	16%	75%	442	6%	10%	64%	606	4%	6%	40%	DR110-10	40286-10
	1.02	60	60.6	40.4	30.3	24.2	20.2	17.3	15.2	260	21%	38%	94%	358	9%	17%	79%	413	6%	12%	67%	583	4%	7%	43%	-	-
	1.10	70	65.5	43.7	32.7	26.2	21.8	18.7	16.4	246	22%	40%	94%	333	10%	18%	81%	388	7%	12%	70%	563	5%	7%	45%	-	-
12.5	0.74	20	43.8	29.2	21.9	17.5	14.6	12.5	10.9	421	9%	16%	70%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-125	40281-125
	0.90	30	53.6	35.7	26.8	21.4	17.9	15.3	13.4	383	10%	18%	76%	471	5%	10%	62%	618	4%	6%	39%	647	3%	6%	35%	SR110-125	40287-125
	1.04	40	61.9	41.3	30.9	24.8	20.6	17.7	15.5	357	11%	20%	80%	423	6%	13%	70%	571	4%	7%	47%	616	4%	7%	39%	MR110-125	40291-125
	1.16	50	69.2	46.1	34.6	27.7	23.1	19.8	17.3	336	12%	21%	83%	386	7%	15%	74%	535	5%	8%	52%	592	4%	7%	42%	DR110-125	40286-125
	1.28	60	75.8	50.5	37.9	30.3	25.3	21.7	18.9	319	13%	21%	85%	355	7%	16%	78%	506	5%	9%	55%	572	5%	8%	44%	-	-
	1.38	70	81.9	54.6	40.9	32.7	27.3	23.4	20.5	305	14%	22%	86%	329	8%	18%	80%	481	6%	10%	58%	555	5%	8%	46%	-	-
15	0.88	20	52.5	35.0	26.3	21.0	17.5	15.0	13.1	438	8%	15%	64%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-15	40281-15
	1.08	30	64.3	42.9	32.2	25.7	21.4	18.4	16.1	398	10%	18%	72%	538	5%	8%	51%	608	4%	7%	40%	659	3%	5%	40%	SR110-15	40287-15
	1.25	40	74.3	49.5	37.1	29.7	24.8	21.2	18.6	370	12%	19%	76%	496	6%	10%	58%	574	4%	8%	45%	624	4%	6%	46%	MR110-15	40291-15
	1.40	50	83.0	55.3	41.5	33.2	27.7	23.7	20.8	348	13%	21%	79%	463	6%	11%	64%	548	5%	8%	49%	597	4%	7%	50%	DR110-15	40286-15
	1.53	60	90.9	60.6	45.5	36.4	30.3	26.0	22.7	330	14%	22%	81%	436	7%	12%	67%	527	5%	9%	52%	575	4%	8%	53%	-	-
	1.65	70	98.2	65.5	49.1	39.3	32.7	28.1	24.6	315	15%	23%	82%	413	7%	13%	70%	508	5%	9%	54%	556	4%	8%	55%	-	-
20	1.18	20	70.0	46.7	35.0	28.0	23.3	20.0	17.5	497	7%	11%	56%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-20	40281-20
	1.44	30	85.7	57.2	42.9	34.3	28.6	24.5	21.4	453	8%	13%	64%	518	6%	10%	55%	593	4%	7%	42%	-	-	-	-	SR110-20	40287-20
	1.67	40	99.0	66.0	49.5	39.6	33.0	28.3	24.8	422	9%	15%	68%	479	6%	12%	62%	557	5%	8%	48%	-	-	-	-	MR110-20	40291-20
	1.86	50	110.7	73.8	55.3	44.3	36.9	31.6	27.7	399	9%	16%	72%	449	7%	13%	67%	529	6%	9%	52%	-	-	-	-	-	-
	2.04	60	121.2	80.8	60.6	48.5	40.4	34.6	30.3	379	10%	17%	74%	424	8%	14%	70%	506	6%	10%	55%	-	-	-	-	-	-
	2.20	70	131.0	87.3	65.5	52.4	43.7	37.4	32.7	362	10%	18%	76%	403	8%	15%	73%	487	6%	11%	57%	-	-	-	-	-	-
25	1.47	20	87.5	58.3	43.8	35.0	29.2	25.0	21.9	495	6%	10%	54%	-	-	-	-	-	-	-	-	-	-	-	-	ER110-25	40281-25
	1.80	30	107.2	71.4	53.6	42.9	35.7	30.6	26.8	453	7%	12%	65%	503	6%	10%	56%	-	-	-	-	-	-	-	-	SR110-25	40287-25
	2.08	40	123.8	82.5	61.9	49.5	41.3	35.4	30.9	422	7%	13%	71%	468	6%	11%	62%	-	-	-	-	-	-	-	-	-	-
	2.33	50	138.4	92.2	69.2	55.3	46.1	39.5	34.6	399	8%	14%	74%	441	7%	13%	66%	-	-	-	-	-	-	-	-	-	-
	2.55	60	151.6	101.0	75.8	60.6	50.5	43.3	37.9	380	8%	15%	77%	419	8%	14%	69%	-	-	-	-	-	-	-	-	-	-
	2.76	70	163.7	109.1	81.9	65.5	54.6	46.8	40.9	364	8%	15%	79%	400	8%	14%	71%	-	-	-	-	-	-	-	-	-	-

\*Droplet categories: The above chart is based on the ASABE Standard 572.1. Refer to chemical label to verify which ASABE S572.1 categories should be followed. Droplet Categories as per **ASABE S572.1** Classification (2009-current)

Extremely Fine <60    Very Fine 60-105 $\mu$     Fine 106-235 $\mu$     Medium 236-340 $\mu$     Coarse 341-403 $\mu$     Very Coarse 404-502 $\mu$     Extremely Coarse 503-665 $\mu$     Ultra Coarse >665 $\mu$

### Combo-Jet® Adapters

**Square Lug Compatibility**  
Combo-Jet® tip-caps use a radiallock O-ring seal to secure the cap to the nozzle body. Adapters are available to mount a radiallock cap on a non-radiallock nozzle body.



New for 2017  
Lock Nut Adapter  
(#40204-00)

### ASABE Droplet Categories

**Color Classifications**  
The colors associated with the VMD is based on an ASABE standard for droplet size categorization. See categories and colors above. Refer to wilger.net for older ASABE standard S572.

### Recommended Pressure

**Pressure Range for Tips**  
For applications which require a uniform pattern, the recommended pressure range is provided. Specified pressure in chart is boom pressure.

### Pre-orifice Length & Color

**Differences in tip pre-orifices**  
Pre-orifice color and length vary for some tips. SR-series pre-orifices will vary in color from the color of the cap. MR & DR pre-orifices will be the same color as the cap. Pre-orifices for high volume tips use a longer pre-orifice.



Have you tried the TIP WIZARD?

An easy to use spray tip calculator that helps find the best spray tip for your application. It is as easy as entering your application, and seeing the results. Tip Wizard is available on the wilger.net website, FREE smartphone app, and Wilger USB.

**TIP WIZARD**