

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 Recommended Pressure: 20-70 PSI				SR 110-XX TIP SERIES Recommended Pressure: 20-100 PSI				MR 110-XX TIP SERIES Recommended Pressure: 25-100 PSI				DR 110-XX TIP SERIES Recommended Pressure: 30-100 PSI				SPRAY TIP PART #				
Tip Cap No.	Flow Rate USGPM	PSI	Application Rate - US Gallons / Acre @ 20"								VMD (Droplet Size in µ); %<141µ (Drift %); %<200µ (Drift %); %<600µ (Small Droplets)																Tip-Cap & Part No.			
			@ Sprayer Speed - Miles / Hour								110° ER Series				110° SR Series				110° MR Series				110° DR Series				Tip-Cap	Part #		
			5.0	7.5	10.0	12.5	15.0	17.5	20.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	Strainer Part #				
01	0.07	20	4.2	2.8	2.1	1.7	1.4	1.2	1.1	148	45%	84%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-01	40281-01		
	0.09	30	5.1	3.4	2.6	2.1	1.7	1.5	1.3	140	51%	87%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	0.10	40	5.9	4.0	3.0	2.4	2.0	1.7	1.5	133	56%	90%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	0.11	50	6.6	4.4	3.3	2.7	2.2	1.9	1.7	128	59%	91%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	0.12	60	7.3	4.8	3.6	2.9	2.4	2.1	1.8	124	62%	93%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100 Mesh - Green	
015	0.13	70	7.9	5.2	3.9	3.1	2.6	2.2	2.0	121	65%	94%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40251-00	
	0.11	20	6.3	4.2	3.2	2.5	2.1	1.8	1.6	153	40%	77%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-015	40281-015
	0.13	30	7.7	5.1	3.9	3.1	2.6	2.2	1.9	145	47%	81%	100%	215	24%	45%	98%	322	11%	22%	94%	366	7%	15%	92%	SR110-015	40287-015			
	0.15	40	8.9	5.9	4.5	3.6	3.0	2.5	2.2	139	52%	84%	100%	199	28%	51%	98%	277	16%	30%	97%	328	10%	20%	94%	MR110-015	40291-015			
	0.17	50	10.0	6.6	5.0	4.0	3.3	2.8	2.5	134	55%	86%	100%	187	32%	55%	98%	247	20%	36%	99%	301	12%	24%	95%	DR110-015	40286-015			
02	0.18	60	10.9	7.3	5.5	4.4	3.6	3.1	2.7	131	58%	87%	100%	177	34%	59%	98%	225	23%	41%	99%	281	14%	27%	96%	100 Mesh - Green	-	-		
	0.20	70	11.8	7.9	5.9	4.7	3.9	3.4	2.9	128	61%	89%	100%	169	37%	62%	98%	208	25%	46%	99%	265	15%	30%	97%	40251-00	-	-		
	0.14	20	8.4	5.6	4.2	3.4	2.8	2.4	2.1	173	32%	62%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-02	40281-02
	0.17	30	10.3	6.9	5.1	4.1	3.4	2.9	2.6	160	39%	69%	100%	219	23%	44%	99%	315	12%	23%	95%	431	5%	10%	82%	SR110-02	40287-02			
	0.20	40	11.9	7.9	5.9	4.8	4.0	3.4	3.0	151	45%	74%	100%	206	26%	48%	99%	279	15%	30%	97%	392	7%	14%	87%	MR110-02	40291-02			
025	0.22	50	13.3	8.9	6.6	5.3	4.4	3.8	3.3	144	49%	77%	100%	196	29%	52%	99%	254	19%	35%	97%	361	8%	16%	90%	DR110-02	40286-02			
	0.24	60	14.5	9.7	7.3	5.8	4.8	4.2	3.6	138	52%	80%	100%	188	31%	55%	99%	235	21%	39%	98%	336	9%	19%	92%	50 Mesh - Red	-	-		
	0.26	70	15.7	10.5	7.9	6.3	5.2	4.5	3.9	133	55%	83%	100%	181	33%	58%	99%	220	23%	42%	98%	315	10%	21%	93%	40250-00	-	-		
	0.18	20	10.5	7.0	5.3	4.2	3.5	3.0	2.6	194	28%	54%	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-025	40281-025
	0.22	30	12.9	8.6	6.4	5.1	4.3	3.7	3.2	186	29%	56%	100%	236	20%	38%	98%	350	9%	18%	91%	434	5%	10%	80%	SR110-025	40287-025			
03	0.25	40	14.9	9.9	7.4	5.9	5.0	4.2	3.7	181	30%	58%	100%	222	23%	43%	98%	320	11%	22%	93%	398	7%	14%	86%	MR110-025	40291-025			
	0.28	50	16.6	11.1	8.3	6.6	5.5	4.7	4.2	176	30%	59%	100%	211	25%	46%	98%	296	13%	26%	95%	370	8%	16%	89%	DR110-025	40286-025			
	0.31	60	18.2	12.1	9.1	7.3	6.1	5.2	4.5	173	31%	60%	100%	203	27%	49%	98%	277	15%	29%	96%	347	9%	18%	92%	50 Mesh - Red	-	-		
	0.33	70	19.6	13.1	9.8	7.9	6.5	5.6	4.9	170	31%	61%	100%	195	29%	52%	98%	261	17%	31%	96%	328	10%	20%	93%	40250-00	-	-		
	0.21	20	12.6	8.4	6.3	5.0	4.2	3.6	3.2	198	27%	51%	99%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-03	40281-03
04	0.26	30	15.4	10.3	7.7	6.2	5.1	4.4	3.9	183	31%	56%	99%	303	11%	24%	95%	394	6%	13%	86%	479	4%	8%	74%	SR110-03	40287-03			
	0.30	40	17.8	11.9	8.9	7.1	5.9	5.1	4.5	173	35%	60%	98%	279	15%	29%	96%	360	9%	17%	91%	443	5%	10%	80%	MR110-03	40291-03			
	0.34	50	19.9	13.3	10.0	8.0	6.6	5.7	5.0	165	37%	63%	98%	260	17%	33%	97%	333	10%	20%	93%	414	6%	12%	84%	DR110-03	40286-03			
	0.37	60	21.8	14.5	10.9	8.7	7.3	6.2	5.5	159	39%	65%	97%	244	19%	37%	97%	311	12%	23%	94%	391	6%	14%	86%	50 Mesh - Red	-	-		
	0.40	70	23.6	15.7	11.8	9.4	7.9	6.7	5.9	153	41%	67%	97%	231	21%	40%	98%	292	13%	25%	95%	371	7%	15%	88%	40250-00	-	-		
05	0.28	20	16.8	11.2	8.4	6.7	5.6	4.8	4.2	240	18%	36%	97%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-04	40281-04
	0.35	30	20.6	13.7	10.3	8.2	6.9	5.9	5.1	225	22%	42%	97%	314	11%	22%	94%	416	5%	11%	84%	510	3%	7%	69%	SR110-04	40287-04			
	0.40	40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	215	24%	45%	96%	288	14%	27%	95%	377	7%	15%	89%	469	4%	9%	76%	MR110-04	40291-04			
	0.45	50	26.6	17.7	13.3	10.6	8.9	7.6	6.6	206	26%	48%	96%	269	16%	31%	96%	346	8%	18%	92%	438	5%	11%	80%	DR110-04	40286-04			
	0.49	60	29.1	19.4	14.5	11.6	9.7	8.3	7.3	199	28%	51%	96%	253	17%	34%	96%	321	9%	20%	94%	412	6%	12%	83%	50 Mesh - Red	-	-		
06	0.53	70	31.4	21.0	15.7	12.6	10.5	9.0	7.9	194	29%	53%	95%	239	19%	37%	97%	300	10%	22%	95%	391	6%	13%	85%	40250-00	-	-		
	0.35	20	21.0	14.0	10.5	8.4	7.0	6.0	5.3	248	18%	36%	95%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-05	40281-05
	0.43	30	25.7	17.1	12.9	10.3	8.6	7.3	6.4	226	22%	41%	95%	355	8%	17%	91%	486	3%	8%	72%	530	2%	5%	63%	SR110-05	40287-05			
	0.50	40	29.7	19.8	14.9	11.9	9.9	8.5	7.4	212	26%	46%	95%	322	11%	22%	93%	445	5%	10%	78%	503	3%	6%	68%	MR110-05	40291-05			
	0.56	50	33.2	22.1	16.6	13.3	11.1	9.5	8.3	202	28%	49%	95%	296	13%	26%	95%	412	6%	12%	82%	482	3%	7%	72%	DR110-05	40286-05			
06	0.61	60	36.4	24.2	18.2	14.5	12.1	10.4	9.1	194	30%	52%	95%	275	15%	29%	96%	386	7%	14%	85%	465	3%	8%	74%	50 Mesh - Red	-	-		
	0.66	70	39.3	26.2	19.6	15.7	13.1	11.2	9.8	187	32%	54%	95%	257	16%	32%	96%	364	7%	16%	87%	451	4%	9%	76%	40250-00	-	-		
	0.42	20	25.2	16.8	12.6	10.1	8.4	7.2	6.3	282	14%	28%	94%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-06	40281-06
	0.52	30	30.9	20.6	15.4	12.3	10.3	8.8	7.7	261	18%	34%	94%	416	6%	13%	84%	507	3%	7%	68%	565	2%	4%	57%	SR110-06	40287-06			
	0.60	40	35.6	23.8	17.8	14.3	11.9	10.2	8.9	246	20%	38%	94%	371	8%	17%	89%	474	4%	9%	74%	529	2%	6%	64%	MR110-06	40291-06			
06	0.67	50	39.8	26.6	19.9	15.9	13.3	11.4	10.0	235	22%	41%	95%	337	10%	21%	92%	448	4%	10%	78%	501	3%	7%	68%	DR110-06	40286-06			
	0.73	60	43.6	29.1	21.8	17.5	14.5	12.5	10.9	225	24%	43%	95%	308	12%	24%	93%	427	5%	11%</										

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 Recommended Pressure: 20-70 PSI			SR 110-XX TIP SERIES Recommended Pressure: 20-100 PSI			MR 110-XX TIP SERIES Recommended Pressure: 25-100 PSI			DR 110-XX TIP SERIES Recommended Pressure: 30-100 PSI			SPRAY TIP PART #						
Tip Cap No.	Flow Rate USGPM	PSI	Application Rate - US Gallons / Acre @ 20"								VMD (Droplet Size in µ); %<141µ (Drift %); %<200µ (Drift %); %<600µ (Small Droplets)												Tip-Cap & Part No.					
			@ Sprayer Speed - Miles / Hour								110° ER Series			110° SR Series			110° MR Series			110° DR Series			Tip-Cap	Part #				
			5.0	7.5	10.0	12.5	15.0	17.5	20.0	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	VMD	<141	<200	<600	Strainer	not req'd	
08	0.57	20	33.6	22.4	16.8	13.4	11.2	9.6	8.0	327	14%	26%	91%	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-08	40281-08
	0.69	30	41.2	27.4	20.6	16.5	13.7	11.8	10.3	290	17%	32%	93%	453	6%	12%	67%	531	4%	8%	53%	614	3%	5%	40%	SR110-08	40287-08	
	0.80	40	47.5	31.7	23.8	19.0	15.8	13.6	11.9	264	20%	36%	95%	408	7%	15%	74%	483	5%	10%	61%	569	4%	6%	47%	MR110-08	40291-08	
	0.89	50	53.1	35.4	26.6	21.3	17.7	15.2	13.3	244	22%	39%	95%	374	9%	17%	79%	446	6%	12%	67%	534	4%	7%	51%	DR110-08	40286-08	
	1.06	70	62.9	41.9	31.4	25.1	21.0	18.0	15.7	214	25%	44%	97%	322	11%	19%	84%	391	7%	14%	73%	482	5%	9%	57%			
10	0.71	20	42.0	28.0	21.0	16.8	14.0	12.0	10.5	362	10%	24%	88%	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-10	40281-10
	0.87	30	51.4	34.3	25.7	20.6	17.1	14.7	12.9	325	14%	29%	90%	470	6%	11%	62%	523	4%	8%	53%	672	3%	4%	32%	SR110-10	40287-10	
	1.00	40	59.4	39.6	29.7	23.8	19.8	17.0	14.9	298	17%	33%	92%	424	7%	14%	70%	478	5%	9%	59%	635	3%	5%	37%	MR110-10	40291-10	
	1.12	50	66.4	44.3	33.2	26.6	22.1	19.0	16.6	277	19%	35%	93%	388	8%	16%	75%	442	6%	10%	64%	606	4%	6%	40%	DR110-10	40286-10	
	1.32	70	78.6	52.4	39.3	31.4	26.2	22.5	19.2	246	22%	40%	94%	333	10%	18%	81%	388	7%	12%	70%	563	5%	7%	45%			
12.5	0.88	20	52.5	35.0	26.3	21.0	17.5	15.0	13.1	421	9%	16%	70%	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-125	40281-125
	1.08	30	64.3	42.9	32.2	25.7	21.4	18.4	16.1	383	10%	18%	76%	471	5%	10%	62%	618	4%	6%	39%	647	3%	6%	35%	SR110-125	40287-125	
	1.25	40	74.3	49.5	37.1	29.7	24.8	21.2	18.6	357	11%	20%	80%	423	6%	13%	70%	571	4%	7%	47%	616	4%	7%	39%	MR110-125	40291-125	
	1.40	50	83.0	55.3	41.5	33.2	27.7	23.7	20.8	336	12%	21%	83%	386	7%	15%	74%	535	5%	8%	52%	592	4%	7%	42%	DR110-125	40286-125	
	1.53	60	90.9	60.6	45.5	36.4	30.3	26.0	22.7	319	13%	21%	85%	355	7%	16%	78%	506	5%	9%	55%	572	5%	8%	44%			
15	1.06	20	63.0	42.0	31.5	25.2	21.0	18.0	15.8	438	8%	15%	64%	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-15	40281-15
	1.30	30	77.2	51.4	38.6	30.9	25.7	22.0	19.3	398	10%	18%	72%	538	5%	8%	51%	608	4%	7%	40%	659	3%	5%	40%	SR110-15	40287-15	
	1.50	40	89.1	59.4	44.6	35.6	29.7	25.5	22.3	370	12%	19%	76%	496	6%	10%	58%	574	4%	8%	45%	624	4%	6%	46%	MR110-15	40291-15	
	1.68	50	99.6	66.4	49.8	39.8	33.2	28.5	24.9	348	13%	21%	79%	463	6%	11%	64%	548	5%	8%	49%	597	4%	7%	50%	DR110-15	40286-15	
	1.84	60	109.1	72.7	54.6	43.6	36.4	31.2	27.3	330	14%	22%	81%	436	7%	12%	67%	527	5%	9%	52%	575	4%	8%	53%			
20	1.77	20	105.0	70.0	52.5	42.0	35.0	30.0	26.3	495	6%	10%	54%	-	-	-	-	-	-	-	-	-	-	-	-	-	ER110-20	40281-20
	2.17	30	128.6	85.7	64.3	51.4	42.9	36.7	32.2	453	7%	12%	65%	503	6%	10%	56%	-	-	-	-	-	-	-	-	-	SR110-20	40287-20
	2.50	40	148.5	99.0	74.3	59.4	49.5	42.4	37.1	422	7%	13%	71%	468	6%	11%	62%	-	-	-	-	-	-	-	-	-		
	2.84	50	166.0	110.7	83.0	66.4	55.3	47.4	41.5	399	8%	14%	74%	441	7%	13%	66%	-	-	-	-	-	-	-	-	-		
	3.31	70	196.4	131.0	98.2	78.6	65.5	56.1	49.1	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 60-105µ Fine 106-235µ Medium 236-340µ Coarse 341-403µ Very Coarse 404-502µ Extremely Coarse 503-665µ Ultra Coarse >665µ

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.