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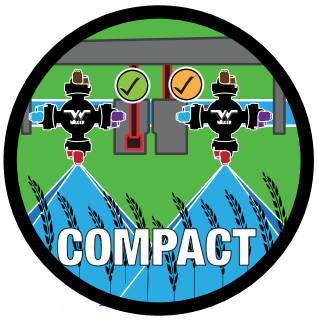
Better Engineered Sprayer Components for Over 50 Years

Bulletin
PRODUCT RELEASE
COMBO-JET®
Dual-Angle Max Spray Nozzle
METRIC
Bulletin Date: March 16, 2026
Bulletin Reference: 260316-01

COMBO-JET® DUAL-ANGLE MAX SPRAY NOZZLES

The high coverage twin nozzle with significant drift reduction

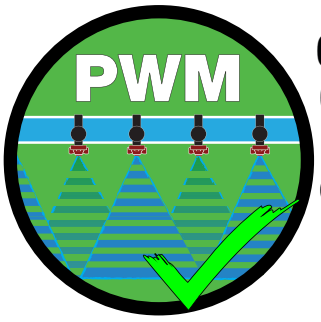


Compact Design
Low-profile design improves clearance and reduces boom & solenoid interference

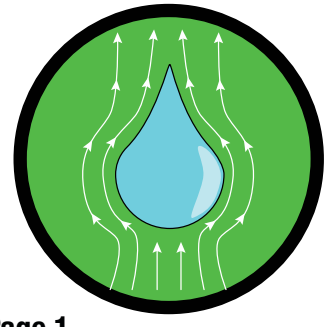
Superior Targeting
Angles are optimized to more effectively target vertical surfaces like cereal heads and grassy weeds.

Maximize Coverage
Nozzle design delivers 90%+ spray coverage[1] while minimizing drift

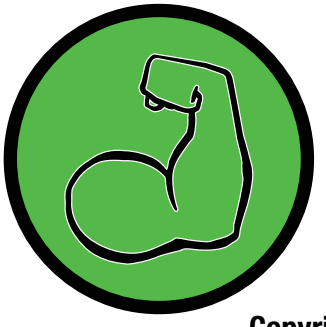
[1]90% of spray droplets smaller than 600µ



Optimized for PWM
Closed-chamber design ensures stable & consistent performance with PWM systems.



Solid Momentum
Solid droplets maintain momentum for improved reach and impact, ideal for angled spraying



Built to Last
Acid-resistant materials ensure durability and consistent spray patterns over time

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COMBO-JET® DUAL-ANGLE MAX SPRAY NOZZLE CHART - FOR PWM SPRAYERS

These charts are provided for comparative purposes only to illustrate differences within the Combo-Jet® dual-angle spray nozzle series & sizes. The data presented is extrapolated from third-party testing conducted under controlled conditions using water as the test solution. For Dual-angle spray characteristic charts, each capsule shares the same functional design as its corresponding Combo-Jet® cap pair (e.g., DR80-015 corresponds to DC80-015). However, minor variations in spray characteristics can occur when capsules are combined in a dual-angle nozzle configuration. In most cases, this may result in slightly coarser spray. Combined specifications sum the relative value of %<141µ and %<600µ based on their respective capsules. Actual field performance may vary. Spray characteristics and nozzle performance can change when using active chemical formulations. Wilger assumes no liability for misuse or misinterpretation of this information, including but not limited to improper spray application, crop damage, or harm to humans, livestock, or the environment. Always consult the most current charts available at www.wilger.net and follow all chemical label nozzle requirements, and ensure to use only nozzles that are qualified for both capsule's spray quality.

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.

Duty Cycle *(Effective 'on time' of a PWM 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 advised to avoid spraying below 40% D/C.

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. 20kph / 30kph max = 67% duty cycle)**

Dual Angled Size & Angles	Flow Rate L/min	Boom bar	Tip bar	Application Rate in Litres/Hectare on 50cm Nozzle Spacing @ Sprayer Speed in km/h				Dual-Angle Max Assembly Spray Classification		%<141 Drift	%<600 Coverage	Tip Capsules used for Dual-Angle Max Nozzle Assembly: 110° Tip Capsule 1 [30° front]				80° Tip Capsule 2 [50° back]			
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-03		#44001-03		DC110-015		#44411-015		DC80-015		#44480-015	
				30L/Ha	40L/Ha	50L/Ha	60L/Ha	Tip 1	Tip 2	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
DAM110-03 30° & 50° Dual Angled Nozzles	0.94	2.00	1.93	9.5-38	7.1-28	5.7-23	4.7-19	C	VC	5%	88%	C	376	6%	91%	VC	427	3%	86%
	1.06	2.50	2.41	11-42	7.9-32	6.3-25	5.3-21	C	C	7%	91%	C	345	8%	93%	C	397	5%	89%
	1.16	3.00	2.89	12-46	8.7-35	7-28	5.8-23	C	C	8%	92%	C	322	10%	94%	C	374	6%	91%
	1.25	3.50	3.38	13-50	9.4-38	7.5-30	6.3-25	C	C	9%	94%	C	304	12%	95%	C	355	7%	92%
	1.34	4.00	3.86	13-53	10-40	8-32	6.7-27	C	C	10%	94%	C	288	13%	96%	C	340	8%	93%
	1.42	4.50	4.34	14-57	11-43	8.5-34	7.1-28	C	C	11%	95%	C	276	14%	96%	C	327	8%	94%
	1.49	5.00	4.82	15-60	11-45	9-36	7.5-30	M	C	12%	96%	M	265	15%	97%	C	316	9%	95%
	1.57	5.50	5.30	16-63	12-47	9.4-38	7.8-31	M	C	13%	96%	M	255	16%	97%	C	306	9%	95%
	1.64	6.00	5.79	16-65	12-49	9.8-39	8.2-33	M	C	14%	96%	M	247	17%	97%	C	298	10%	95%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-035		#44001-035		DC110-02		#44411-02		DC80-015		#44480-015	
				40L/Ha	50L/Ha	60L/Ha	75L/Ha	Tip 1	Tip 2	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
DAM110-035 30° & 50° Dual Angled Nozzles	1.09	2.00	1.90	8.2-33	6.6-26	5.5-22	4.4-18	VC	VC	4%	83%	VC	443	4%	81%	VC	429	3%	86%
	1.22	2.50	2.38	9.2-37	7.4-29	6.1-25	4.9-20	C	C	5%	86%	C	412	6%	85%	C	399	5%	89%
	1.34	3.00	2.85	10-40	8.1-32	6.7-27	5.4-21	C	C	6%	89%	C	387	7%	87%	C	376	6%	91%
	1.45	3.50	3.33	11-43	8.7-35	7.2-29	5.8-23	C	C	7%	90%	C	366	8%	89%	C	357	7%	92%
	1.55	4.00	3.80	12-46	9.3-37	7.7-31	6.2-25	C	C	8%	92%	C	348	9%	91%	C	342	7%	93%
	1.64	4.50	4.28	12-49	9.9-39	8.2-33	6.6-26	C	C	9%	93%	C	332	9%	92%	C	329	8%	94%
	1.73	5.00	4.75	13-52	10-42	8.7-35	6.9-28	C	C	10%	93%	C	317	10%	93%	C	317	9%	94%
	1.81	5.50	5.23	14-54	11-44	9.1-36	7.3-29	C	C	10%	94%	C	304	11%	93%	C	308	9%	95%
	1.90	6.00	5.70	14.2-56.9	11-46	9.5-38	7.6-30	C	C	11%	95%	C	292	11%	94%	C	299	10%	95%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-04		#44001-04		MC110-025		#44311-025		DC80-015		#44480-015	
				50L/Ha	60L/Ha	75L/Ha	100L/Ha	Tip 1	Tip 2	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
DAM110-04 30° & 50° Dual Angled Nozzles	1.24	2.00	1.87	7.5-30	6.2-25	5-20	3.7-15	C	VC	6%	88%	C	360	8%	89%	VC	431	3%	85%
	1.39	2.50	2.34	8.3-33	7-28	5.6-22	4.2-17	C	C	8%	91%	C	337	10%	92%	C	401	5%	88%
	1.52	3.00	2.81	9.1-37	7.6-30	6.1-24	4.6-18	C	C	9%	92%	C	318	12%	93%	C	377	6%	90%
	1.64	3.50	3.28	9.9-39	8.2-33	6.6-26	4.9-20	C	C	11%	93%	C	301	13%	94%	C	359	7%	92%
	1.76	4.00	3.75	11-42	8.8-35	7-28	5.3-21	C	C	12%	94%	C	287	14%	95%	C	343	7%	93%
	1.86	4.50	4.22	11-45	9.3-37	7.5-30	5.6-22	C	C	13%	95%	C	275	15%	96%	C	330	8%	94%
	1.96	5.00	4.69	12-47	9.8-39	7.9-31	5.9-24	M	C	13%	96%	M	264	16%	96%	C	319	9%	94%
	2.06	5.50	5.15	12-49	10-41	8.2-33	6.2-25	M	C	14%	96%	M	254	17%	97%	C	309	9%	95%
	2.15	6.00	5.62	13-52	11-43	8.6-34	6.5-26	M	C	15%	96%	M	245	18%	97%	C	300	10%	95%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-045		#44001-045		MC110-025		#44311-025		MC80-02		#44380-02	
				50L/Ha	75L/Ha	90L/Ha	100L/Ha	Tip 1	Tip 2	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
DAM110-45 30° & 50° Dual Angled Nozzles	1.38	2.00	1.84	8.3-33	5.6-22	4.6-19	4.2-17	C	C	7%	91%	C	362	8%	89%	C	338	7%	93%
	1.55	2.50	2.30	9.3-37	6.2-25	5.2-21	4.7-19	C	C	10%	93%	C	339	10%	92%	C	315	9%	94%
	1.70	3.00	2.76	10-41	6.8-27	5.7-23	5.1-20	C	C	11%	94%	C	320	11%	93%	C	297	11%	94%
	1.83	3.50	3.22	11-44	7.3-29	6.1-24	5.5-22	C	C	13%	94%	C	303	13%	94%	C	283	13%	94%
	1.96	4.00	3.68	12-47	7.8-31	6.5-26	5.9-24	C	C	14%	95%	C	289	14%	95%	C	272	14%	95%
	2.08	4.50	4.15	12-50	8.3-33	6.9-28	6.2-25	C	M	15%	95%	C	277	15%	96%	M	262	16%	95%
	2.19	5.00	4.61	13-53	8.8-35	7.3-29	6.6-26	M	M	16%	96%	M	266	16%	96%	M	253	17%	95%
	2.30	5.50	5.07	14-55	9.2-37	7.7-31	6.9-28	M	M	17%	96%	M	256	17%	97%	M	246	18%	95%
	2.40	6.00	5.53	14-58	9.6-38	8-32	7.2-29	M	M	18%	96%	M	246	18%	97%	M	239	19%	95%

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Dual Angled Size & Angles	Flow Rate USGPM	Boom Bar	Tip bar	Application Rate in US Gallons / Acre on 50cm Nozzle Spacing @ Sprayer Speed in Miles / Hour				Dual-Angle Max Assembly Spray Classification		%<141 Drift	%<600 Coverage
DAM110-05 30° & 50° Dual Angled Nozzles	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @ 60L/Ha	75L/Ha	100L/Ha	125L/Ha	DAM110-05 Tip 1	Tip 2	#44001-05 <141	<600
	1.53	2.00	1.81	7.6-31	6.1-24	4.6-18	3.7-15	C	C	6%	88%
	1.71	2.50	2.26	8.5-34	6.8-27	5.1-21	4.1-16	C	C	8%	90%
	1.87	3.00	2.72	9.4-37	7.5-30	5.6-22	4.5-18	C	C	9%	92%
	2.02	3.50	3.17	10-40	8.1-32	6.1-24	4.9-19	C	C	11%	93%
	2.16	4.00	3.62	11-43	8.6-35	6.5-26	5.2-21	C	C	12%	94%
	2.29	4.50	4.08	11-46	9.2-37	6.9-28	5.5-22	C	M	13%	94%
	2.41	5.00	4.53	12-48	9.7-39	7.2-29	5.8-23	C	M	14%	95%
	2.53	5.50	4.98	13-51	10-41	7.6-30	6.1-24	C	M	15%	95%
	2.64	6.00	5.43	13-53	11-42	7.9-32	6.4-25	C	M	16%	96%
DAM110-06 30° & 50° Dual Angled Nozzles	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @ 75L/Ha	100L/Ha	125L/Ha	150L/Ha	DAM110-06 Tip 1	Tip 2	#44001-06 <141	<600
	1.79	2.00	1.74	7.2-29	5.4-22	4.3-17	3.6-14	C	C	6%	86%
	2.01	2.50	2.17	8-32	6-24	4.8-19	4-16	C	C	8%	88%
	2.20	3.00	2.61	8.8-35	6.6-26	5.3-21	4.4-18	C	C	10%	90%
	2.37	3.50	3.04	9.5-38	7.1-29	5.7-23	4.8-19	C	C	11%	91%
	2.54	4.00	3.48	10-41	7.6-30	6.1-24	5.1-20	C	C	13%	92%
	2.69	4.50	3.91	11-43	8.1-32	6.5-26	5.4-22	C	M	14%	93%
	2.84	5.00	4.35	11-45	8.5-34	6.8-27	5.7-23	C	M	15%	94%
	2.97	5.50	4.78	12-48	8.9-36	7.2-29	6-24	C	M	16%	94%
	3.11	6.00	5.22	12-50	9.3-37	7.5-30	6.2-25	C	M	16%	95%
DAM110-07 30° & 50° Dual Angled Nozzles	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @ 75L/Ha	100L/Ha	125L/Ha	150L/Ha	DAM110-07 Tip 1	Tip 2	#44001-07 <141	<600
	2.04	2.00	1.66	8.2-33	6.1-25	4.9-20	4.1-16	C	C	5%	84%
	2.28	2.50	2.07	9.1-37	6.9-27	5.5-22	4.6-18	C	C	7%	87%
	2.50	3.00	2.48	10-40	7.5-30	6-24	5-20	C	C	8%	89%
	2.70	3.50	2.90	11-43	8.1-32	6.5-26	5.4-22	C	C	10%	90%
	2.89	4.00	3.31	12-46	8.7-35	6.9-28	5.8-23	C	C	11%	91%
	3.06	4.50	3.73	12-49	9.2-37	7.4-29	6.1-25	C	C	12%	92%
	3.23	5.00	4.14	13-52	9.7-39	7.8-31	6.5-26	C	C	13%	93%
	3.39	5.50	4.55	14-54	10-41	8.1-33	6.8-27	C	M	14%	93%
	3.54	6.00	4.97	14-57	11-42	8.5-34	7.1-28	C	M	14%	94%
DAM110-08 30° & 50° Dual Angled Nozzles	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @ 90L/Ha	100L/Ha	125L/Ha	150L/Ha	DAM110-08 Tip 1	Tip 2	#44001-08 <141	<600
	2.55	2.50	1.97	8.5-34	7.7-31	6.1-25	5.1-20	VC	C	6%	85%
	2.79	3.00	2.37	9.3-37	8.4-34	6.7-27	5.6-22	C	C	7%	88%
	3.02	3.50	2.76	10-40	9.1-36	7.3-29	6-24	C	C	8%	89%
	3.22	4.00	3.16	11-43	9.7-39	7.7-31	6.5-26	C	C	9%	91%
	3.42	4.50	3.55	11-46	10-41	8.2-33	6.9-27	C	C	10%	92%
	3.60	5.00	3.95	12-48	11-43	8.7-35	7.2-29	C	C	11%	92%
	3.78	5.50	4.34	13-50	11-45	9.1-36	7.6-30	C	M	12%	93%
	3.95	6.00	4.74	13-53	12-47	9.5-38	7.9-32	C	M	13%	94%

Tip Capsules used for Dual-Angle Max Nozzle Assembly							
110° Tip Capsule 1 [30° front]				80° Tip Capsule 2 [50° back]			
Class	VMD	<141	<600	Class	VMD	<141	<600
MC110-03		#44311-03		MC80-02		#44380-02	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	410	5%	84%	C	340	7%	93%
C	384	7%	88%	C	317	9%	94%
C	362	8%	90%	C	299	11%	94%
C	343	10%	92%	C	285	13%	94%
C	327	11%	93%	C	273	14%	95%
C	313	12%	94%	M	263	15%	95%
C	300	12%	95%	M	254	17%	95%
C	288	13%	96%	M	247	18%	95%
C	278	14%	96%	M	240	19%	95%
MC110-03		#44311-03		SC80-03		#44280-03	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	415	5%	83%	C	367	7%	88%
C	388	7%	87%	C	338	10%	90%
C	366	8%	90%	C	316	12%	91%
C	348	9%	92%	C	298	13%	91%
C	332	10%	93%	C	284	15%	92%
C	318	11%	94%	M	272	16%	92%
C	305	12%	95%	M	261	17%	93%
C	293	13%	95%	M	252	18%	93%
C	283	13%	96%	M	244	19%	94%
MC110-03		#44311-03		SC80-04		#44280-04	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	421	5%	82%	C	374	5%	85%
C	394	6%	86%	C	349	7%	87%
C	372	8%	89%	C	328	9%	88%
C	354	9%	91%	C	310	10%	89%
C	338	10%	93%	C	295	12%	90%
C	323	11%	94%	C	282	13%	91%
C	311	12%	94%	C	270	14%	92%
C	299	12%	95%	M	259	15%	92%
C	289	13%	96%	M	249	15%	93%
MC110-04		#44311-04		SC80-04		#44280-04	
Class	VMD	<141	<600	Class	VMD	<141	<600
VC	422	5%	83%	C	354	7%	87%
C	397	6%	87%	C	333	8%	88%
C	376	7%	89%	C	316	10%	89%
C	358	8%	91%	C	301	11%	90%
C	342	8%	92%	C	287	12%	91%
C	328	9%	93%	C	275	13%	91%
C	315	10%	94%	M	264	14%	92%
C	303	10%	95%	M	254	15%	92%

Bulletin
PRODUCT RELEASE

COMBO-JET®
Dual-Angle Max Spray Nozzle

Bulletin Date: March 16, 2026
Bulletin Reference: 260316-01

COMBO-JET® DUAL-ANGLE MAX SPRAY NOZZLE CHART - FOR PWM SPRAYERS

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.

Duty Cycle *(Effective 'on time' of a PWM 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 advised to avoid spraying below 40% D/C.

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. 20kph / 30kph max = 67% duty cycle)**

Dual Angled Size & Angles	Flow Rate USGPM	Boom PSI	Tip psi	Application Rate in US Gallons / Acre on 20" Nozzle Spacing @ Sprayer Speed in Miles / Hour				Dual-Angle Max Assembly Spray Classification		%<141 Drift	%<600 Coverage
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-09		#44001-09	
				100L/Ha	125L/Ha	150L/Ha	175L/Ha	Tip 1	Tip 2	<141	<600
DAM110-09 30° & 50° Dual Angled Nozzles	2.79	2.50	1.86	8.4-33	6.7-27	5.6-22	4.8-19	VC	C	5%	82%
	3.05	3.00	2.24	9.2-37	7.3-29	6.1-24	5.2-21	VC	C	7%	85%
	3.30	3.50	2.61	9.9-40	7.9-32	6.6-26	5.7-23	C	C	8%	87%
	3.52	4.00	2.98	11-42	8.5-34	7.1-28	6.1-24	C	C	9%	88%
	3.74	4.50	3.36	11-45	9-36	7.5-30	6.4-26	C	C	10%	89%
	3.94	5.00	3.73	12-47	9.5-38	7.9-32	6.8-27	C	C	11%	90%
	4.13	5.50	4.10	12-50	9.9-40	8.3-33	7.1-28	C	C	12%	91%
	4.32	6.00	4.47	13-52	10-41	8.6-35	7.4-30	C	C	12%	92%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-10		#44001-10	
				100L/Ha	125L/Ha	150L/Ha	200L/Ha	Tip 1	Tip 2	<141	<600
DAM110-10 30° & 50° Dual Angled Nozzles	3.30	3.00	2.12	9.9-40	7.9-32	6.6-26	5-20	C	C	8%	87%
	3.56	3.50	2.47	11-43	8.6-34	7.1-29	5.4-21	C	C	9%	89%
	3.81	4.00	2.82	11-46	9.2-37	7.6-31	5.7-23	C	C	11%	90%
	4.04	4.50	3.18	12-49	9.7-39	8.1-32	6.1-24	C	C	12%	91%
	4.26	5.00	3.53	13-51	10-41	8.5-34	6.4-26	C	C	13%	91%
	4.47	5.50	3.88	13-54	11-43	8.9-36	6.7-27	C	C	14%	92%
	4.67	6.00	4.24	14-56	11-45	9.3-37	7-28	C	C	14%	92%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-12		#44001-12	
				125L/Ha	150L/Ha	175L/Ha	200L/Ha	Tip 1	Tip 2	<141	<600
DAM110-12 30° & 50° Dual Angled Nozzles	3.97	3.50	2.13	9.5-38	8-32	6.8-27	6-24	C	VC	12%	88%
	4.25	4.00	2.44	10-41	8.5-34	7.3-29	6.4-26	C	C	13%	89%
	4.51	4.50	2.74	11-43	9-36	7.7-31	6.8-27	C	C	14%	90%
	4.75	5.00	3.05	11-46	9.5-38	8.2-33	7.1-29	C	C	15%	90%
	4.98	5.50	3.35	12-48	10-40	8.6-34	7.5-30	C	C	16%	91%
	5.20	6.00	3.66	12-50	10-42	8.9-36	7.8-31	C	C	17%	91%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-15		#44001-15	
				150L/Ha	175L/Ha	200L/Ha	225L/Ha	Tip 1	Tip 2	<141	<600
DAM110-15 30° & 50° Dual Angled Nozzles	4.89	4.00	2.07	9.8-39	8.4-34	7.3-29	6.5-26	C	VC	11%	85%
	5.18	4.50	2.32	10-42	8.9-36	7.8-31	6.9-28	C	C	12%	86%
	5.46	5.00	2.58	11-44	9.4-38	8.2-33	7.3-29	C	C	13%	87%
	5.73	5.50	2.84	11-46	9.8-39	8.6-34	7.7-31	C	C	13%	87%
	5.99	6.00	3.10	12-48	10-41	9-36	8-32	C	C	14%	88%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-16		#44001-16	
				150L/Ha	175L/Ha	200L/Ha	225L/Ha	Tip 1	Tip 2	<141	<600
DAM110-16 30° & 50° Dual Angled Nozzles	4.97	4.00	1.88	9.9-40	8.5-34	7.5-30	6.6-27	C	C	16%	91%
	5.27	4.50	2.11	11-42	9-36	7.9-32	7-28	C	C	17%	92%
	5.56	5.00	2.35	11-44	9.5-38	8.3-33	7.4-30	C	C	19%	93%
	5.83	5.50	2.58	12-47	10-40	8.8-35	7.8-31	M	M	20%	93%
	6.09	6.00	2.81	12-49	10-42	9.1-37	8.1-33	M	M	20%	94%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-18		#44001-18	
				150L/Ha	175L/Ha	200L/Ha	225L/Ha	Tip 1	Tip 2	<141	<600
DAM110-18 30° & 50° Dual Angled Nozzles	5.89	5.00	2.08	12-47	10-40	8.9-35	7.9-31	C	C	15%	90%
	6.18	5.50	2.29	12-49	11-42	9.3-37	8.3-33	C	C	16%	91%
	6.45	6.00	2.50	13-52	11-44	9.7-39	8.6-34	C	M	17%	92%
	Flow L/min	Boom bar	Tip bar	Sprayer Speed (on 50cm spacing) @				DAM110-20		#44001-20	
				175L/Ha	225L/Ha	250L/Ha	275L/Ha	Tip 1	Tip 2	<141	<600
DAM110-20 30° & 50° Dual Angled Nozzles	6.21	5.00	1.88	11-43	8.3-33	7.5-30	6.8-27	C	VC	12%	85%
	6.51	5.50	2.06	11-45	8.7-35	7.8-31	7.1-28	C	VC	13%	86%
	6.80	6.00	2.25	12-47	9.1-36	8.2-33	7.4-30	C	C	14%	87%

Tip Capsules used for Dual-Angle Max Nozzle Assembly

110° Tip Capsule 1 [30° front]				80° Tip Capsule 2 [50° back]			
Class	VMD	<141	<600	Class	VMD	<141	<600
MC110-04		#44311-04		SC80-05		#44280-05	
Class	VMD	<141	<600	Class	VMD	<141	<600
VC	430	4%	82%	C	400	6%	82%
VC	405	5%	86%	C	377	8%	84%
C	384	6%	89%	C	356	9%	85%
C	366	7%	90%	C	339	11%	86%
C	350	8%	92%	C	323	12%	87%
C	336	9%	93%	C	310	13%	88%
C	323	9%	94%	C	297	14%	89%
C	311	10%	94%	C	286	14%	89%
SC110-05		#44211-05		SC80-05		#44280-05	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	353	9%	91%	C	384	7%	83%
C	335	10%	93%	C	364	9%	85%
C	319	11%	94%	C	346	10%	86%
C	306	12%	94%	C	331	11%	87%
C	294	13%	95%	C	317	12%	88%
C	283	14%	95%	C	304	13%	88%
C	272	15%	96%	C	293	14%	89%
SC110-06		#44211-06		EC80-06		#44180-06	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	411	6%	84%	VC	294	17%	91%
C	390	7%	87%	C	286	18%	91%
C	372	8%	89%	C	280	20%	91%
C	356	9%	90%	C	274	21%	91%
C	341	10%	91%	C	268	22%	90%
C	327	11%	92%	C	264	23%	90%
SC110-05		#44211-05		EC80-10		#44180-10	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	356	8%	91%	VC	405	12%	82%
C	342	9%	92%	C	391	13%	83%
C	330	10%	93%	C	378	14%	84%
C	319	11%	94%	C	368	15%	84%
C	309	12%	94%	C	358	15%	85%
EC110-08		#44111-08		EC80-08		#44180-08	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	299	16%	93%	C	328	16%	90%
C	289	18%	93%	C	315	17%	91%
C	279	18%	94%	C	303	19%	91%
M	270	19%	94%	M	293	20%	92%
M	263	20%	95%	M	284	21%	93%
EC110-10		#44111-10		EC80-08		#44180-08	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	324	14%	90%	C	316	17%	90%
C	315	15%	91%	C	305	18%	91%
C	307	16%	91%	M	296	19%	92%
EC110-10		#44111-10		EC80-10		#44180-10	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	334	13%	90%	VC	417	11%	81%
C	325	14%	90%	VC	405	12%	82%
C	317	15%	91%	C	394	13%	82%

Disclaimer - See disclaimer notice on page 2.

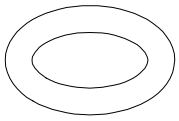
DUAL-ANGLE CAP REPLACEMENT PARTS LIST

PART#	DESCRIPTION
40260-00	NOZZLE SEAL - COMBO-JET 13 mm X 3 mm
40260-B0	NOZZLE SEAL - COMBO-JET 13 mm X 3 mm - BUNA-N (COLD WEATHER SEAL)
40260-V0	NOZZLE SEAL - COMBO-JET 13 mm X 3 mm - VITON®
44000-00	DUAL CAP KIT (includes cap, cap o-ring, o-ring plate, and screw). No capsules included.
44000-01	DUAL CAP, CAP BODY, BLACK
44000-02	DUAL CAP, O-RING PLATE
44000-03	SCREW, #6 X 3/8", EXTRA-WIDE ROUNDED HEAD, SS
44000-04	O-RING, FKM, #014

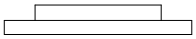
DUAL-ANGLE MAX REPLACEMENT CAPSULES

PART #	DESCRIPTION (Capsule Assemblies include o-ring, capsule, SS tip, pre-orifice*)
44180-06	DUAL CAP, TIP CAPSULE ASSY,EC80-06,GREY
44180-08	DUAL CAP, TIP CAPSULE ASSY,EC80-08,WHITE
44180-10	DUAL CAP, TIP CAPSULE ASSY,EC80-10,LIGHT BLUE
44111-08	DUAL CAP, TIP CAPSULE ASSY,EC110-08,WHITE
44111-10	DUAL CAP, TIP CAPSULE ASSY,EC110-10,LIGHT BLUE
44280-03	DUAL CAP, TIP CAPSULE ASSY,SC80-03,BLUE
44280-04	DUAL CAP, TIP CAPSULE ASSY,SC80-04,RED
44280-05	DUAL CAP, TIP CAPSULE ASSY,SC80-05,BROWN
44211-05	DUAL CAP, TIP CAPSULE ASSY,SC110-05,BROWN
44211-06	DUAL CAP, TIP CAPSULE ASSY,SC110-06,GREY
44380-02	DUAL CAP, TIP CAPSULE ASSY,MC80-02,YELLOW
44311-025	DUAL CAP, TIP CAPSULE ASSY,MC110-025,PURPLE
44311-03	DUAL CAP, TIP CAPSULE ASSY,MC110-03,BLUE
44311-04	DUAL CAP, TIP CAPSULE ASSY,MC110-04,RED
44480-015	DUAL CAP, TIP CAPSULE ASSY,DC80-015,GREEN
44411-015	DUAL CAP, TIP CAPSULE ASSY,DC110-015,GREEN
44411-02	DUAL CAP, TIP CAPSULE ASSY,DC110-02,YELLOW

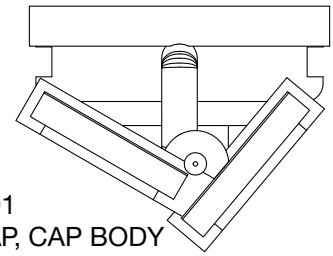
*pre-orifices only included in drift reduction capsule series



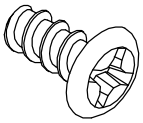
#40260-00
Cap O-ring Seal, 13mmx3mm, FKM



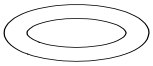
#44000-02
DUAL CAP, O-ring Seal Plate



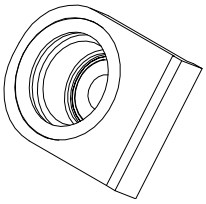
#44000-01
DUAL CAP, CAP BODY



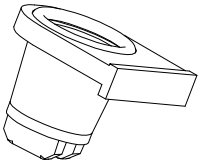
#44000-03
Retaining Screw,
Extra-wide head



#44000-04
O-ring for capsule, FKM
(for replacement only)

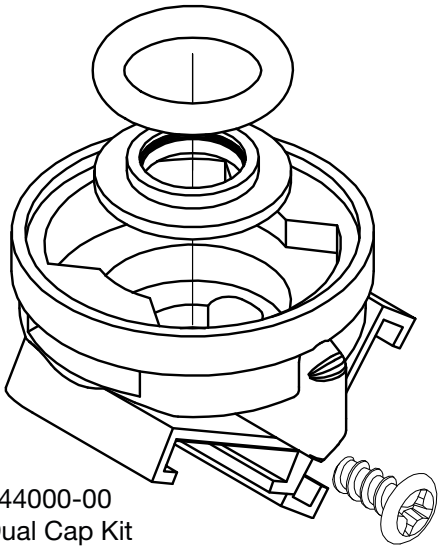


#441##-##
ER series capsules
(no pre-orifice,
incl. o-ring)



#44###-##
SR/MR/DR series capsules
(incl. pre-orifice, incl. o-ring)
Color-coded to capsule size

Can I customize which nozzle capsules are used? Of course.

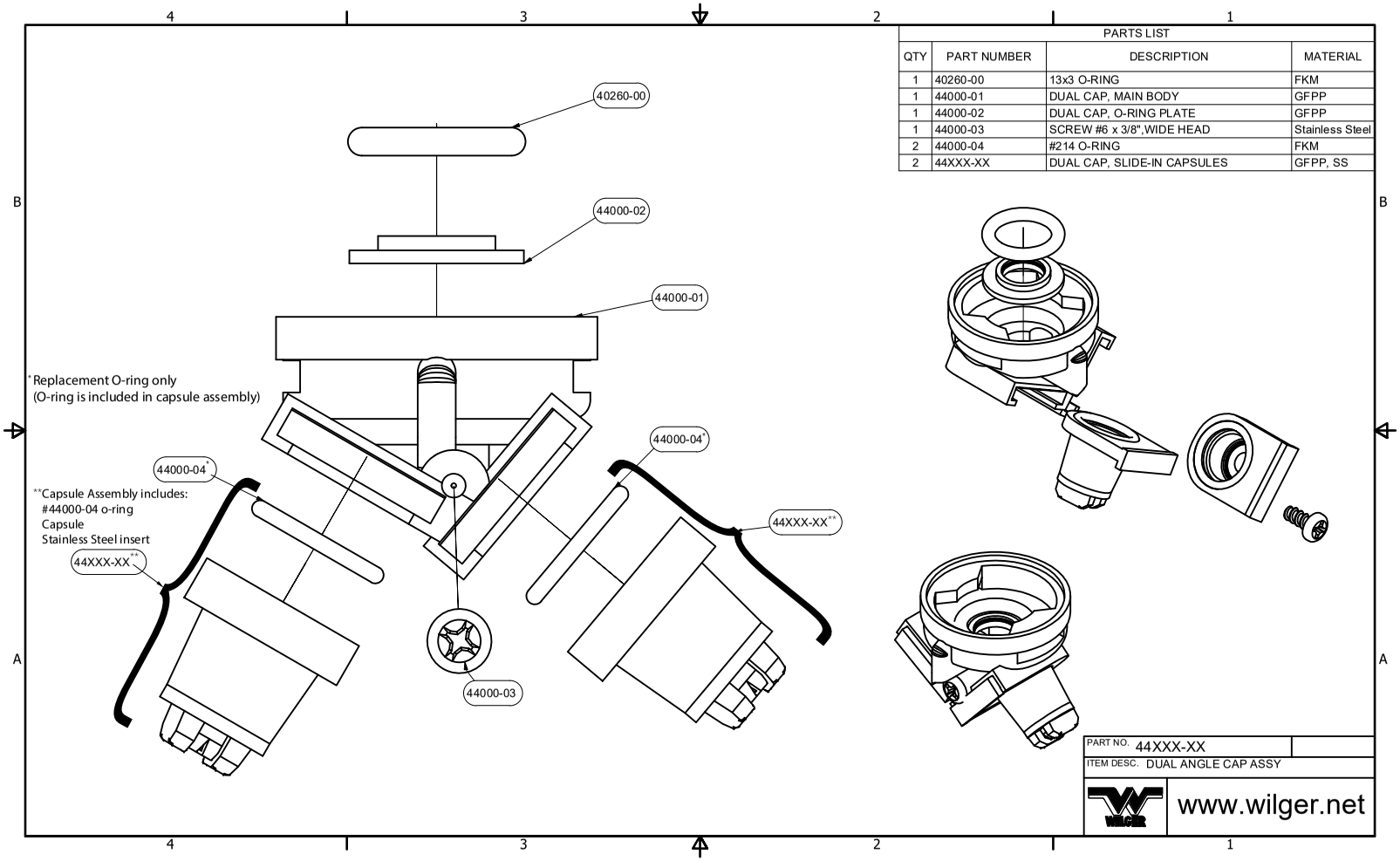


#44000-00
Dual Cap Kit
(For assembling customized dual-cap nozzle configurations)
Add 2 capsule assemblies (not incl.). Ensure to lubricate capsule seals when installing.

To order customized configurations, refer to next page for part numbering scheme. Order an 80° capsule for 50° position, and 110° for 30° position

COMBO-JET® DUAL-ANGLE SPRAY NOZZLE ASSEMBLY DRAWING

PARTS LIST			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	40260-00	13x3 O-RING	FKM
1	44000-01	DUAL CAP, MAIN BODY	GFPP
1	44000-02	DUAL CAP, O-RING PLATE	GFPP
1	44000-03	SCREW #6 x 3/8",WIDE HEAD	Stainless Steel
2	44000-04	#214 O-RING	FKM
2	44XXX-XX	DUAL CAP, SLIDE-IN CAPSULES	GFPP, SS



PART NO. 44XXX-XX

ITEM DESC. DUAL ANGLE CAP ASSY

www.wilger.net

44XXX-XX

Capsules Part# are based on the following:

CAPSULE SERIES
CAPSULE ANGLE
CAPSULE SIZE

44XXX-XX -

eg. 44211-05 = SR110-05

SERIES	ANGLE	SIZE	
1=EC	11=110°	015 = -015 Size	04 = -04 Size
2=SC	80= 80°	02 = -02 Size	05 = -05 Size
3=MC	Contact factory for other angles	025 = -025 Size	06 = -06 Size
4=DC		03 = -03 Size	08 = -08 Size
			10 = -10 Size

WILGER

Better Engineered Sprayer Components for Over 50 Years

Bulletin
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