WILGER
50 YEARS
Better Engineered Sprayer Components for Over 50 Years

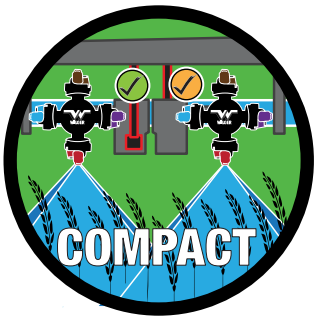
Bulletin
PRODUCT RELEASE
COMBO-JET®
Dual-Angle Max Spray Nozzle
Bulletin Date: March 16, 2026
Bulletin Reference: 260316-01

COMBO-JET® DUAL-ANGLE MAX SPRAY NOZZLES

The high coverage twin nozzle with significant drift reduction

Example:
DAM110-08
#44001-08

[SIDE VIEW]

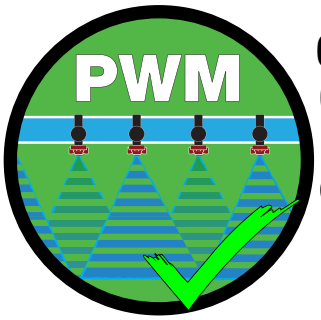


Compact Design
Low-profile design improves clearance and reduces boom & solenoid interference

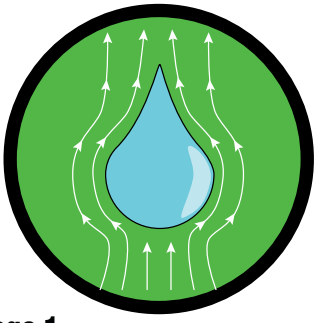
Superior Targeting
Angles are optimized to more effectively target vertical surfaces like cereal heads and grassy weeds.

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 may 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 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. 15mph / 20mph max = 75% 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	Tip Capsules included in Dual-Angle Max Nozzle Assembly: 110° Tip Capsule 1 [30° front]				80° Tip Capsule 2 [50° back]			
	Flow us gpm	Boom psi	Tip psi	4gpa	5gpa	6gpa	7gpa	Tip 1	Tip 2	<141	<600	Class	VMD	<141	<600	Class	VMD	<141	<600
DAM110-03 30° & 50° Dual Angled ASSY PART# #44001-03	0.26	**30**	29	5.4-22	3.8-15	3.2-13	2.7-11	C	VC	5%	89%	DC110-015	#44411-015			DC80-015	#44480-015		
	0.28	**35**	34	5.9-23	4.1-16	3.4-14	2.9-12	C	C	6%	91%	C	371	7%	91%	VC	423	4%	86%
	0.29	**40**	39	6.3-25	4.4-18	3.7-15	3.1-13	C	C	7%	92%	C	350	8%	93%	C	402	5%	88%
	0.31	**45**	43	6.6-27	4.7-19	3.9-16	3.3-13	C	C	8%	93%	C	333	9%	94%	C	384	5%	90%
	0.33	**50**	48	7-28	4.9-20	4.1-16	3.5-14	C	C	9%	93%	C	318	11%	94%	C	370	6%	91%
	0.36	**60**	58	7.7-31	5.4-21	4.5-18	3.8-15	C	C	11%	95%	C	305	12%	95%	C	357	7%	92%
	0.38	**65**	63	8-32	5.6-22	4.7-19	4-16	M	C	11%	95%	C	285	13%	96%	C	336	8%	93%
	0.39	**70**	68	8.3-33	5.8-23	4.8-19	4.1-17	M	C	12%	95%	M	276	14%	96%	C	328	8%	94%
	0.42	**80**	77	8.9-35	6.2-25	5.2-21	4.4-18	M	C	13%	96%	M	268	15%	96%	C	320	9%	94%
												M	255	16%	97%	C	306	9%	95%
DAM110-035 30° & 50° Dual Angled ASSY PART# #44001-035	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 4gpa	5gpa	6gpa	7.5gpa	DAM110-035 Tip 1	#44001-035 Tip 2	<141	<600	DC110-02	#44411-02			DC80-015	#44480-015		
												Class	VMD	<141	<600	Class	VMD	<141	<600
	0.30	**30**	29	5.5-22	4.4-18	3.7-15	2.9-12	VC	VC	4%	83%	VC	438	4%	81%	VC	425	4%	86%
	0.32	**35**	33	5.9-24	4.8-19	4-16	3.2-13	C	C	5%	86%	C	417	5%	84%	C	404	5%	88%
	0.34	**40**	38	6.3-25	5.1-20	4.2-17	3.4-14	C	C	6%	88%	C	399	6%	86%	C	386	5%	90%
	0.36	**45**	43	6.7-27	5.4-22	4.5-18	3.6-14	C	C	7%	89%	C	383	7%	88%	C	372	6%	91%
	0.38	**50**	48	7.1-28	5.7-23	4.7-19	3.8-15	C	C	7%	90%	C	368	8%	89%	C	359	7%	92%
	0.42	**60**	57	7.8-31	6.2-25	5.2-21	4.2-17	C	C	8%	92%	C	343	9%	91%	C	338	8%	93%
	0.43	**65**	62	8.1-32	6.5-26	5.4-22	4.3-17	C	C	9%	93%	C	332	9%	92%	C	329	8%	94%
	0.45	**70**	67	8.4-34	6.7-27	5.6-22	4.5-18	C	C	9%	93%	C	322	10%	92%	C	321	9%	94%
	0.48	**80**	76	9-35.8	7.2-29	6-24	4.8-19	C	C	10%	94%	C	304	11%	93%	C	307	9%	95%
DAM110-04 30° & 50° Dual Angled ASSY PART# #44001-04	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 5gpa	6gpa	7gpa	7.5gpa	DAM110-04 Tip 1	#44001-04 Tip 2	<141	<600	MC110-025	#44311-025			DC80-015	#44480-015		
												Class	VMD	<141	<600	Class	VMD	<141	<600
	0.34	**30**	28	5-20	4.2-17	3.6-14	3.3-13	C	VC	6%	88%	C	357	8%	90%	VC	427	4%	86%
	0.36	**35**	33	5.4-22	4.5-18	3.9-15	3.6-14	C	C	8%	90%	C	341	10%	92%	C	406	4%	88%
	0.39	**40**	37	5.8-23	4.8-19	4.1-16	3.8-15	C	C	9%	92%	C	327	11%	93%	C	388	5%	90%
	0.41	**45**	42	6.1-24	5.1-20	4.4-17	4.1-16	C	C	10%	93%	C	314	12%	94%	C	373	6%	91%
	0.43	**50**	47	6.4-26	5.4-21	4.6-18	4.3-17	C	C	10%	93%	C	303	13%	94%	C	361	7%	92%
	0.47	**60**	56	7.1-28	5.9-24	5-20	4.7-19	C	C	12%	95%	C	284	15%	95%	C	340	8%	93%
	0.49	**65**	61	7.3-29	6.1-24	5.2-21	4.9-20	M	C	13%	95%	M	275	15%	96%	C	331	8%	94%
	0.51	**70**	66	7.6-30	6.4-25	5.4-22	5.1-20	M	C	13%	95%	M	268	16%	96%	C	323	9%	94%
	0.55	**80**	75	8.1-33	6.8-27	5.8-23	5.4-22	M	C	14%	96%	M	253	17%	97%	C	309	9%	95%
DAM110-045 30° & 50° Dual Angled ASSY PART# #44001-045	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 5gpa	6gpa	7gpa	7.5gpa	DAM110-045 Tip 1	#44001-045 Tip 2	<141	<600	MC110-025	#44311-025			MC80-02	#44380-02		
												Class	VMD	<141	<600	Class	VMD	<141	<600
	0.37	**30**	28	5.6-22	4.6-19	4-16	3.7-15	C	C	8%	91%	C	359	8%	90%	C	334	7%	93%
	0.40	**35**	32	6-24	5-20	4.3-17	4-16	C	C	9%	92%	C	342	9%	91%	C	318	9%	94%
	0.43	**40**	37	6.4-26	5.4-21	4.6-18	4.3-17	C	C	10%	93%	C	328	11%	93%	C	305	10%	94%
	0.46	**45**	41	6.8-27	5.7-23	4.9-19	4.5-18	C	C	12%	94%	C	316	12%	94%	C	294	12%	94%
	0.48	**50**	46	7.2-29	6-24	5.1-21	4.8-19	C	C	13%	94%	C	305	13%	94%	C	285	13%	94%
	0.53	**60**	55	7.9-31	6.6-26	5.6-22	5.2-21	C	M	15%	95%	C	286	14%	95%	M	269	15%	95%
	0.55	**65**	60	8.2-33	6.8-27	5.9-23	5.5-22	M	M	15%	95%	M	277	15%	96%	M	262	16%	95%
	0.57	**70**	64	8.5-34	7.1-28	6.1-24	5.7-23	M	M	16%	96%	M	269	16%	96%	M	256	16%	95%
	0.61	**80**	74	9.1-36	7.6-30	6.5-26	6.1-24	M	M	17%	96%	M	255	17%	97%	M	245	18%	95%

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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 us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 6gpa	7.5gpa	8.5gpa	10gpa	DAM110-05 Tip 1	Tip 2	#44001-05 <141	<600
DAM110-05 30° & 50° Dual Angled ASSY PART# #44001-05	0.41	**30**	27	5.1-20	4.1-16	3.6-14	3.1-12	C	C	6%	88%
	0.45	**35**	32	5.5-22	4.4-18	3.9-16	3.3-13	C	C	8%	90%
	0.48	**40**	36	5.9-24	4.7-19	4.2-17	3.5-14	C	C	9%	91%
	0.50	**45**	41	6.3-25	5-20	4.4-18	3.8-15	C	C	10%	92%
	0.53	**50**	45	6.6-26	5.3-21	4.7-19	4-16	C	C	11%	93%
	0.58	**60**	54	7.2-29	5.8-23	5.1-20	4.3-17	C	M	12%	94%
	0.61	**65**	59	7.5-30	6-24	5.3-21	4.5-18	C	M	13%	94%
	0.63	**70**	63	7.8-31	6.2-25	5.5-22	4.7-19	C	M	14%	95%
	0.67	**80**	72	8.3-33	6.7-27	5.9-24	5-20	C	M	15%	95%
	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 6.5gpa	7.5gpa	10gpa	12.5gpa	DAM110-06 Tip 1	Tip 2	#44001-06 <141	<600
DAM110-06 30° & 50° Dual Angled ASSY PART# #44001-06	0.48	**30**	26	5.5-22	4.8-19	3.6-14	2.9-12	C	C	7%	86%
	0.52	**35**	30	6-24	5.2-21	3.9-16	3.1-12	C	C	8%	88%
	0.56	**40**	35	6.4-26	5.6-22	4.2-17	3.3-13	C	C	9%	89%
	0.59	**45**	39	6.8-27	5.9-24	4.4-18	3.5-14	C	C	10%	90%
	0.63	**50**	43	7.2-29	6.2-25	4.7-19	3.7-15	C	C	11%	91%
	0.69	**60**	52	7.8-31	6.8-27	5.1-20	4.1-16	C	M	13%	93%
	0.71	**65**	57	8.2-33	7.1-28	5.3-21	4.2-17	C	M	14%	93%
	0.74	**70**	61	8.5-34	7.3-29	5.5-22	4.4-18	C	M	14%	94%
	0.79	**80**	70	9.1-36	7.8-31	5.9-24	4.7-19	C	M	16%	94%
	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 7.5gpa	10gpa	12.5gpa	15gpa	DAM110-07 Tip 1	Tip 2	#44001-07 <141	<600
DAM110-07 30° & 50° Dual Angled ASSY PART# #44001-07	0.55	**30**	25	5.5-22	4.1-16	3.3-13	2.7-11	C	C	5%	84%
	0.60	**35**	29	5.9-24	4.4-18	3.6-14	3-12	C	C	6%	86%
	0.64	**40**	33	6.3-25	4.7-19	3.8-15	3.2-13	C	C	8%	88%
	0.68	**45**	37	6.7-27	5-20	4-16	3.4-13	C	C	9%	89%
	0.71	**50**	41	7.1-28	5.3-21	4.2-17	3.5-14	C	C	10%	90%
	0.78	**60**	50	7.7-31	5.8-23	4.6-19	3.9-15	C	C	11%	92%
	0.81	**65**	54	8.1-32	6-24	4.8-19	4-16	C	C	12%	92%
	0.84	**70**	58	8.4-33	6.3-25	5-20	4.2-17	C	M	12%	93%
	0.90	**80**	66	8.9-36	6.7-27	5.4-21	4.5-18	C	M	14%	93%
	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 8gpa	10gpa	12.5gpa	15gpa	DAM110-08 Tip 1	Tip 2	#44001-08 <141	<600
DAM110-08 30° & 50° Dual Angled ASSY PART# #44001-08	0.67	**35**	28	6.2-25	5-20	4-16	3.3-13	VC	C	5%	84%
	0.71	**40**	32	6.6-26	5.3-21	4.2-17	3.5-14	C	C	6%	86%
	0.75	**45**	36	7-28	5.6-22	4.5-18	3.7-15	C	C	7%	88%
	0.79	**50**	39	7.4-30	5.9-24	4.7-19	3.9-16	C	C	8%	89%
	0.87	**60**	47	8.1-32	6.5-26	5.2-21	4.3-17	C	C	10%	91%
	0.91	**65**	51	8.4-34	6.7-27	5.4-22	4.5-18	C	C	10%	92%
	0.94	**70**	55	8.7-35	7-28	5.6-22	4.7-19	C	M	11%	92%
	1.01	**80**	63	9.3-37	7.5-30	6-24	5-20	C	M	12%	93%

Tip Capsules included in 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	
C	406	6%	85%	C	336	7%	93%
C	388	7%	87%	C	320	9%	94%
C	372	8%	89%	C	307	10%	94%
C	357	9%	91%	C	296	11%	94%
C	345	9%	92%	C	286	13%	94%
C	323	11%	94%	M	270	15%	95%
C	313	11%	94%	M	263	15%	95%
C	304	12%	95%	M	257	16%	95%
C	288	13%	96%	M	247	18%	95%
MC110-03		#44311-03		SC80-03		#44280-03	
C	411	5%	84%	C	363	8%	88%
C	393	6%	87%	C	342	9%	89%
C	377	7%	89%	C	326	11%	90%
C	362	8%	90%	C	312	12%	91%
C	350	9%	91%	C	300	13%	91%
C	328	11%	93%	M	280	15%	92%
C	318	11%	94%	M	272	16%	92%
C	309	12%	94%	M	265	17%	93%
C	293	13%	95%	M	252	18%	93%
MC110-03		#44311-03		SC80-04		#44280-04	
C	417	5%	83%	C	370	5%	85%
C	399	6%	86%	C	353	7%	87%
C	383	7%	88%	C	337	8%	88%
C	368	8%	90%	C	324	9%	89%
C	356	9%	91%	C	312	10%	89%
C	334	10%	93%	C	291	12%	91%
C	324	11%	94%	C	282	13%	91%
C	315	11%	94%	M	274	13%	91%
C	299	12%	95%	M	259	15%	92%
MC110-04		#44311-04		SC80-04		#44280-04	
VC	427	4%	83%	C	358	6%	86%
C	409	5%	85%	C	343	8%	87%
C	393	6%	88%	C	329	9%	88%
C	378	7%	89%	C	317	10%	89%
C	354	8%	92%	C	297	11%	90%
C	343	8%	92%	C	288	12%	91%
C	333	9%	93%	M	279	13%	91%
C	314	10%	94%	M	264	14%	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. 15mph / 20mph max = 75% 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 us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 10gpa	12.5gpa	15gpa	17.5gpa	DAM110-09 Tip 1	Tip 2	#44001-09 <141	<600
DAM110-09 30° & 50° Dual Angled ASSY PART# #44001-09	0.73	**35**	26	5.4-22	4.3-17	3.6-14	3.1-12	VC	C	5%	81%
	0.78	**40**	30	5.8-23	4.6-19	3.9-15	3.3-13	VC	C	6%	83%
	0.82	**45**	34	6.1-25	4.9-20	4.1-16	3.5-14	C	C	7%	85%
	0.87	**50**	37	6.5-26	5.2-21	4.3-17	3.7-15	C	C	8%	86%
	0.95	**60**	45	7.1-28	5.7-23	4.7-19	4.1-16	C	C	9%	88%
	0.99	**65**	48	7.4-29	5.9-24	4.9-20	4.2-17	C	C	10%	89%
	1.03	**70**	52	7.6-31	6.1-24	5.1-20	4.4-17	C	C	11%	90%
	1.10	**80**	60	8.2-33	6.5-26	5.5-22	4.7-19	C	C	12%	91%
DAM110-10 30° & 50° Dual Angled ASSY PART# #44001-10	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 10gpa	12.5gpa	15gpa	20gpa	DAM110-10 Tip 1	Tip 2	#44001-10 <141	<600
	0.84	**40**	28	6.3-25	5-20	4.2-17	3.1-13	C	C	7%	86%
	0.89	**45**	32	6.6-27	5.3-21	4.4-18	3.3-13	C	C	8%	88%
	0.94	**50**	35	7-28	5.6-22	4.7-19	3.5-14	C	C	9%	89%
	1.03	**60**	42	7.7-31	6.1-25	5.1-20	3.8-15	C	C	11%	90%
	1.07	**65**	46	8-32	6.4-26	5.3-21	4-16	C	C	12%	91%
	1.11	**70**	49	8.3-33	6.6-26	5.5-22	4.1-17	C	C	12%	91%
	1.19	**80**	56	8.8-35	7.1-28	5.9-24	4.4-18	C	C	14%	92%
DAM110-12 30° & 50° Dual Angled ASSY PART# #44001-12	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 12.5gpa	15gpa	17.5gpa	20gpa	DAM110-12 Tip 1	Tip 2	#44001-12 <141	<600
	0.99	**45**	27	5.9-24	4.9-20	4.2-17	3.7-15	C	VC	10%	87%
	1.05	**50**	30	6.2-25	5.2-21	4.5-18	3.9-16	C	C	11%	88%
	1.15	**60**	37	6.8-27	5.7-23	4.9-20	4.3-17	C	C	13%	89%
	1.19	**65**	40	7.1-28	5.9-24	5.1-20	4.4-18	C	C	14%	90%
	1.24	**70**	43	7.4-29	6.1-25	5.3-21	4.6-18	C	C	15%	90%
	1.32	**80**	49	7.9-32	6.6-26	5.6-23	4.9-20	C	C	16%	91%
DAM110-15 30° & 50° Dual Angled ASSY PART# #44001-15	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 13gpa	15gpa	17.5gpa	20gpa	DAM110-15 Tip 1	Tip 2	#44001-15 <141	<600
	1.20	**50**	26	6.9-28	6-24	5.1-21	4.5-18	C	VC	9%	83%
	1.32	**60**	31	7.6-30	6.5-26	5.6-22	4.9-20	C	C	11%	85%
	1.37	**65**	34	7.9-31	6.8-27	5.8-23	5.1-20	C	C	12%	86%
	1.43	**70**	36	8.2-33	7.1-28	6.1-24	5.3-21	C	C	12%	86%
	1.52	**80**	41	8.7-35	7.6-30	6.5-26	5.7-23	C	C	13%	87%
DAM110-16 30° & 50° Dual Angled ASSY PART# #44001-16	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 15gpa	17.5gpa	20gpa	25gpa	DAM110-16 Tip 1	Tip 2	#44001-16 <141	<600
	1.23	**50**	23	6.1-24	5.2-21	4.6-18	3.7-15	C	C	15%	90%
	1.34	**60**	28	6.7-27	5.7-23	5-20	4-16	C	C	17%	91%
	1.40	**65**	30	6.9-28	5.9-24	5.2-21	4.2-17	C	C	17%	92%
	1.45	**70**	33	7.2-29	6.2-25	5.4-22	4.3-17	M	M	18%	92%
	1.55	**80**	38	7.7-31	6.6-26	5.8-23	4.6-18	M	M	20%	93%
DAM110-18 30° & 50° Dual Angled ASSY PART# #44001-18	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 17.5gpa	20gpa	25gpa	30gpa	DAM110-18 Tip 1	Tip 2	#44001-18 <141	<600
	1.48	**65**	27	6.3-25	5.5-22	4.4-18	3.7-15	C	C	14%	90%
	1.54	**70**	29	6.5-26	5.7-23	4.6-18	3.8-15	C	C	15%	90%
	1.64	**80**	33	7-28	6.1-24	4.9-20	4.1-16	C	M	16%	91%
DAM110-20 30° & 50° Dual Angled ASSY PART# #44001-20	Flow us gpm	Boom psi	Tip psi	Sprayer Speed (on 20" spacing) @ 17.5gpa	20gpa	25gpa	30gpa	DAM110-20 Tip 1	Tip 2	#44001-20 <141	<600
	1.56	**65**	24	6.6-27	5.8-23	4.7-19	3.9-16	C	VC	11%	85%
	1.62	**70**	26	6.9-28	6-24	4.8-19	4-16	C	VC	12%	85%
	1.73	**80**	30	7.4-29	6.4-26	5.2-21	4.3-17	C	C	13%	86%

Tip Capsules included in Dual-Angle Max Nozzle Assembly

110° Tip Capsule 1 [30° front] Class	VMD	<141	<600	80° Tip Capsule 2 [50° back] Class	VMD	<141	<600
MC110-04		#44311-04		SC80-05		#44280-05	
Class	VMD	<141	<600	Class	VMD	<141	<600
VC	435	4%	81%	C	405	6%	81%
VC	417	5%	84%	C	388	7%	83%
C	401	6%	87%	C	372	8%	84%
C	386	6%	88%	C	358	9%	85%
C	361	7%	91%	C	334	11%	87%
C	351	8%	92%	C	324	12%	87%
C	340	8%	93%	C	314	12%	88%
C	322	9%	94%	C	297	14%	89%
SC110-05		#44211-05		SC80-05		#44280-05	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	362	8%	91%	C	395	6%	82%
C	349	9%	92%	C	379	8%	83%
C	337	10%	93%	C	366	9%	84%
C	315	12%	94%	C	342	10%	86%
C	306	12%	94%	C	331	11%	87%
C	298	13%	95%	C	321	12%	87%
C	282	14%	96%	C	304	13%	88%
SC110-06		#44211-06		EC80-06		#44180-06	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	430	5%	82%	VC	302	16%	91%
C	414	6%	84%	C	295	17%	91%
C	385	8%	87%	C	285	19%	91%
C	373	8%	89%	C	280	20%	91%
C	361	9%	90%	C	276	20%	91%
C	341	10%	91%	C	268	22%	90%
SC110-05		#44211-05		EC80-010		#44180-10	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	373	7%	90%	VC	424	11%	80%
C	352	9%	91%	C	401	12%	82%
C	343	9%	92%	C	391	13%	83%
C	334	10%	93%	C	382	13%	83%
C	318	11%	94%	C	367	15%	84%
EC110-08		#44111-08		EC80-08		#44180-08	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	313	15%	92%	C	346	14%	88%
C	296	17%	93%	C	324	16%	90%
C	289	17%	93%	C	315	17%	91%
M	282	18%	94%	M	307	18%	91%
M	270	19%	94%	M	292	20%	92%
EC110-10		#44111-10		EC80-08		#44180-08	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	334	13%	90%	C	329	16%	90%
C	327	14%	90%	C	320	17%	90%
C	315	15%	91%	M	305	18%	91%
EC110-10		#44111-10		EC80-010		#44180-10	
Class	VMD	<141	<600	Class	VMD	<141	<600
C	344	12%	89%	VC	431	10%	80%
C	337	13%	90%	VC	421	11%	80%
C	325	14%	90%	C	405	12%	82%

Disclaimer - See disclaimer notice on page 2.

Bulletin
PRODUCT RELEASE

COMBO-JET®
Dual-Angle Max Spray Nozzle

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

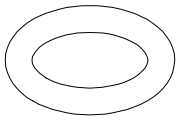
DUAL-ANGLE CAP REPLACEMENT PARTS LIST

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

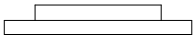
DUAL-ANGLE MAX REPLACEMENT CAPSULES

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

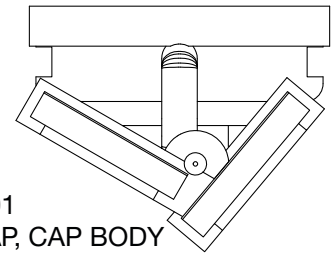
*pre-orifices only included in drift reduction capsule series



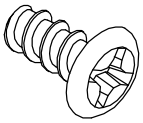
#40260-00
Cap O-ring Seal, 13mmx3mm, FKM



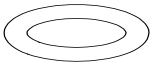
#44000-02
DUAL CAP, O-ring Seal Plate



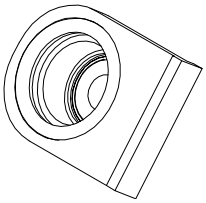
#44000-01
DUAL CAP, CAP BODY



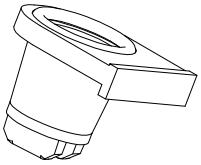
#44000-03
Retaining Screw,
Extra-wide head



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

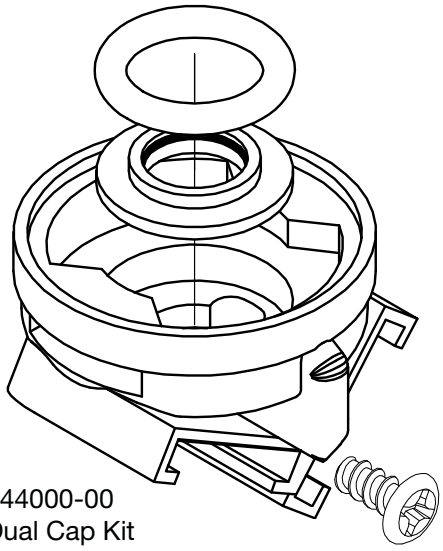


#441##-##
ER series capsules
(no pre-orifice,
incl. o-ring)



#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.

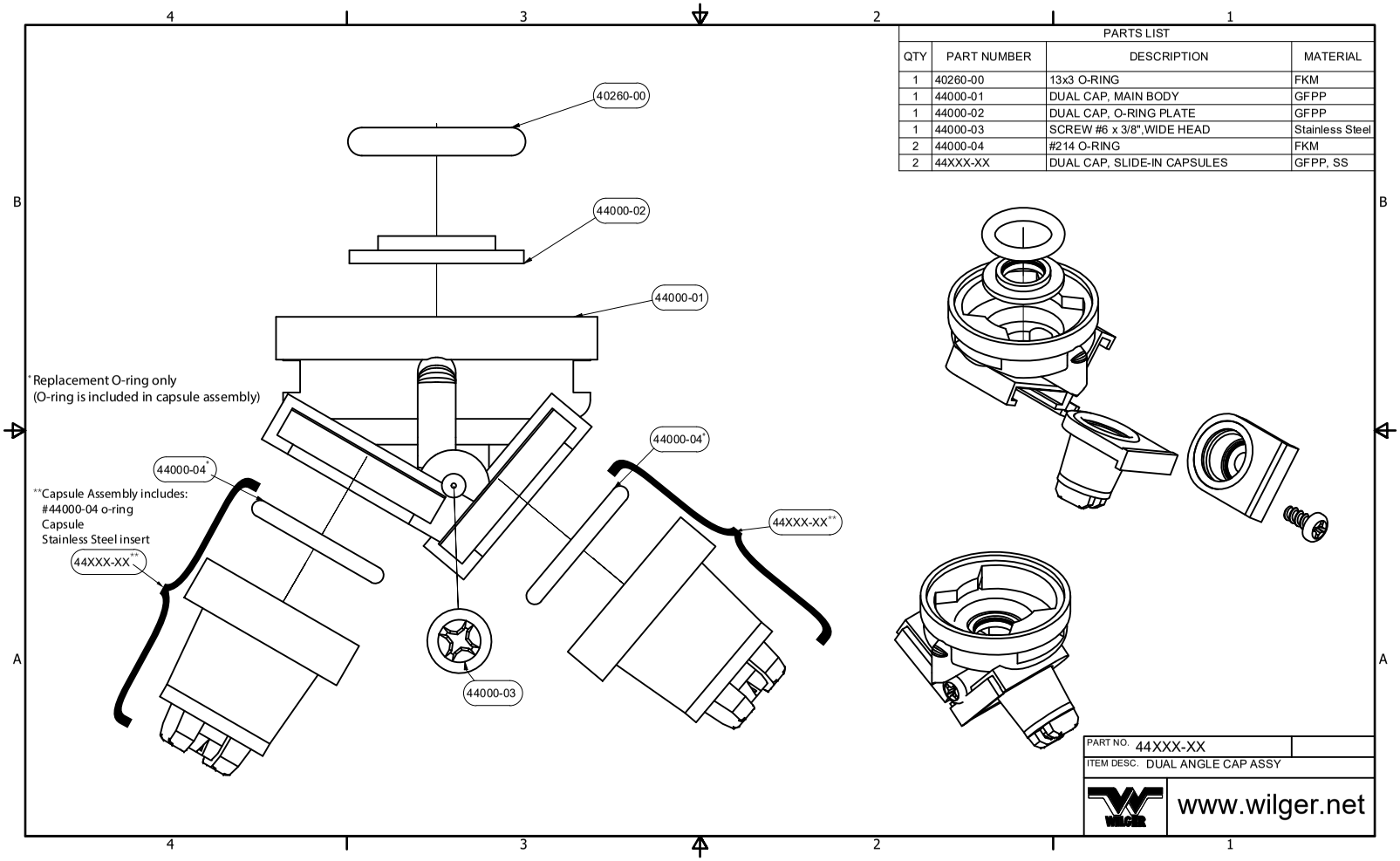


#44000-00
Dual Cap Kit
(For assembling customized dual-cap nozzle configurations)
+Add 2 capsule assemblies (not incl.). Ensure to lubricate capsule seals when installing.

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

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Dual-Angle Max Spray Nozzle
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