

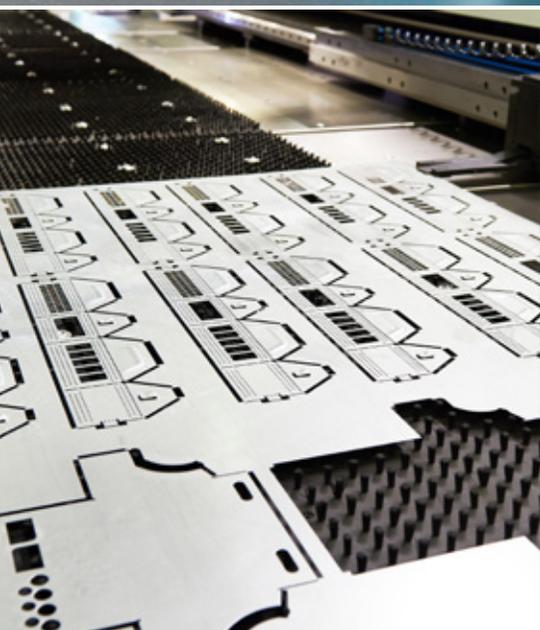


JXM™ SERIES AUTOMATIC AIR ATOMIZING NOZZLES

FOR PRECISION COATING
AND LUBRICATION



Spraying Systems Co.
Experts in Spray Technology





INTRODUCING THE NEW JXM™ SERIES AUTOMATIC AIR ATOMIZING NOZZLES – PRECISION OIL LUBRICATION, FEWER CLOGS, AND FASTER MAINTENANCE

The JXM air atomizing nozzle was designed specifically for lubrication in metal stamping and forming applications. While traditional nozzles struggle with thick fluids, produce excess mist, and require frequent servicing, the JXM nozzle overcomes these limitations with rugged construction and precise air management.

Using compressed air, JXM atomizes oils, lubricants, and greases into fine, uniform droplets. With built-in liquid recirculation and separate air controls and metering knobs for targeted spray performance, JXM delivers consistent coverage while reducing overspray and waste. The anti-clog features eliminate the need for frequent cleanouts, and the quick-release design allows for no-tool changeouts that significantly reduce maintenance time.

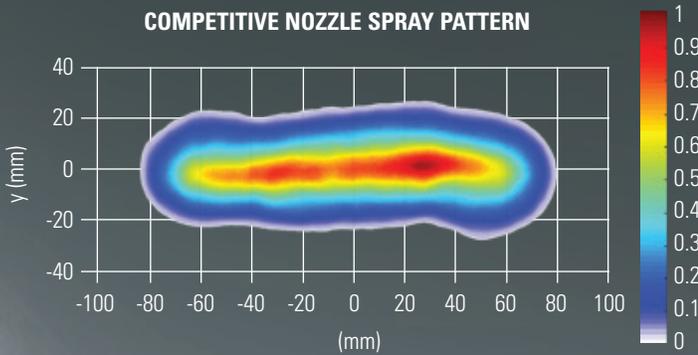
The JXM air atomizing nozzle is the next-generation replacement for the classic 1/8JJAU nozzle. It fits into tight spaces and integrates seamlessly with existing setups for faster change outs and extended run times.

Learn more about the JXM Series Automatic Air Atomizing nozzles in the pages that follow. Then, contact your local spray specialist to discuss the details of your application and determine which JXM Series nozzle will deliver the exact performance you require: [1.800.95.SPRAY](tel:180095SPRAY) or spray.com.

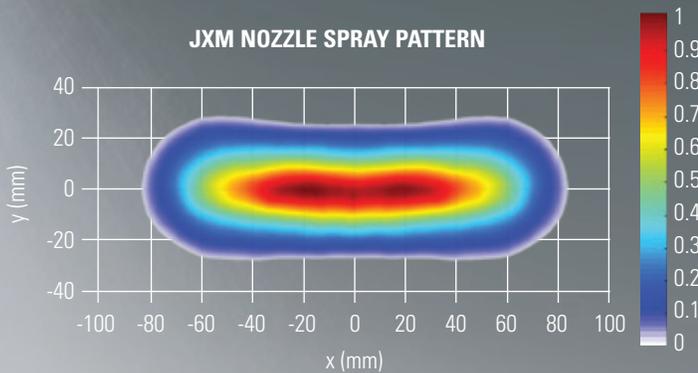




COMPETITIVE NOZZLE SPRAY PATTERN



JXM NOZZLE SPRAY PATTERN



Laser sheet imaging on JXM nozzle compared to competitive nozzle
Note the uniformity of the spray pattern.

IDEAL FOR USE WITH A WIDE RANGE OF LUBRICATION AND COATING APPLICATIONS

- Lubrication for stamping
- Release agent application for automotive manufacturing
- Coating release oils in molds
- Oil coating
- Ink marking,
- Nail marking,
- Tire dot marking,
- Bottle coating for food,
- Conveyor chain oiling

IT'S ALL ABOUT THE FINISH QUALITY

The JXM-Series delivers precise, uniform coverage and a superior finish. A fully atomized spray. Consisting of small drops distributed uniformly throughout the spray pattern, ensures a smooth finish even when using hard-to-apply coatings.

JXM nozzles optimize air distribution, maximize air efficiency and minimize misting and overspray. The result is minimal waste of the coating material and a cleaner, safer work environment.



A CLOSER LOOK AT THE JXM™ SERIES



THERE'S A JXM NOZZLE THAT CAN DELIVER THE PERFORMANCE YOU NEED

The JXM Series offers a large selection of fluid nozzles and air caps that are interchangeable, creating hundreds of performance options. Flow rates range from .007 gpm (.025 lpm) to .358 gpm (.977 lpm).

YOU'LL SAVE TIME & MONEY WITH JXM NOZZLES

Many of the features designed to ensure optimal performance also help simplify operation and reduce costs:

- **Precision coating** produces uniform spray patterns across every cycle and reduces waste
- **Tool-free maintenance** reduces downtime, keeping production on schedule
- **Reduced misting** creates a safer work environment
- **Optional metering knobs** make manual adjustments liquid volumes a simple, quick task
- **High-quality materials** of construction provide longer wear life
- **Manifold kit allows for up to 12 guns**, contact your local spray expert for specific spacing and further information



PERFORMANCE DATA

Setup No.	Spray Set-up No.	Spray Set-up Consists of Fluid and Air cap Combination	Liquid Capacity (gph)* Air Capacity (scfm)															
			Liquid Pressure															
			10 psi (0.7 bar)			20 psi (1.4 bar)			30 psi (2.1 bar)			40 psi (2.8 bar)			60 psi (4.1 bar)			
			Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	
INT MIX ROUND	SUJXM11	Fluid Cap PFXM20 Air Cap PAJXM82155	10 (0.7)	1.25 (4.7)	0.52 (14.7)	14 (1.0)	1.43 (5.4)	0.68 (19.2)	24 (1.7)	1.49 (5.7)	1.04 (29.5)	32 (2.2)	2.77 (10.5)	1.31 (37.2)	50 (3.4)	3.21 (12.2)	1.88 (53.2)	
			12 (0.8)	1.06 (4.0)	0.60 (17.0)	18 (1.2)	1.14 (4.3)	0.83 (23.5)	28 (1.9)	1.26 (4.8)	1.18 (33.4)	36 (2.5)	2.52 (9.5)	1.44 (40.9)	54 (3.7)	2.97 (11.2)	2.00 (56.5)	
			14 (1.0)	0.85 (3.2)	0.68 (19.2)	22 (1.5)	0.91 (3.4)	0.97 (27.6)	32 (2.2)	1.06 (4.0)	1.31 (37.2)	40 (2.8)	2.25 (8.5)	1.57 (44.5)	58 (4.0)	2.72 (10.3)	2.11 (59.9)	
			16 (1.1)	0.63 (2.4)	0.75 (21.4)	26 (1.8)	0.72 (2.7)	1.11 (31.5)	38 (2.6)	0.79 (3.0)	1.51 (42.7)	48 (3.3)	1.64 (6.2)	1.82 (51.4)	66 (4.6)	2.16 (8.2)	2.34 (66.4)	
			18 (1.2)	0.40 (1.5)	0.83 (23.5)	30 (2.1)	0.58 (2.2)	1.25 (35.3)	42 (2.9)	0.65 (2.5)	1.63 (46.2)	52 (3.6)	1.30 (4.9)	1.94 (54.8)	70 (4.8)	1.86 (7.0)	2.46 (69.6)	
			20 (1.4)	0.28 (1.0)	1.06 (29.5)	36 (2.5)	0.44 (1.6)	1.49 (41.8)	48 (3.3)	0.44 (1.6)	1.79 (50.1)	60 (4.1)	0.99 (3.5)	2.25 (8.5)	80 (5.5)	1.44 (5.1)	2.72 (10.3)	2.11 (59.9)
	SUJXM22B	Fluid Cap PFXM40 Air Cap PAJXM130193	16 (1.1)	3.67 (13.9)	1.70 (48.1)	28 (1.9)	5.21 (19.7)	2.60 (73.6)	40 (2.8)	6.08 (23.0)	3.41 (96.5)	48 (3.3)	8.00 (30.3)	3.91 (110.8)	65 (4.5)	10.64 (40.3)	4.93 (139.5)	
			20 (1.4)	2.80 (10.6)	2.01 (57.0)	32 (2.2)	4.43 (16.8)	2.88 (81.4)	44 (3.0)	5.39 (20.4)	3.66 (103.7)	55 (3.8)	6.80 (25.8)	4.34 (122.9)	75 (5.2)	9.12 (34.5)	5.49 (155.6)	
			22 (1.5)	2.36 (8.9)	2.16 (61.2)	36 (2.5)	3.61 (13.7)	3.14 (89.0)	48 (3.3)	4.68 (17.7)	3.91 (110.8)	65 (4.5)	4.92 (18.6)	4.93 (139.5)	80 (5.5)	8.29 (31.4)	5.77 (163.4)	
			26 (1.8)	1.44 (5.4)	2.46 (69.5)	44 (3.0)	1.85 (7.0)	3.66 (103.7)	60 (4.1)	2.41 (9.1)	4.64 (131.3)	80 (5.5)	1.72 (6.5)	5.77 (163.4)	-	-	-	
			30 (2.1)	0.48 (1.8)	2.74 (77.5)	50 (3.4)	0.44 (1.6)	4.04 (114.3)	70 (4.8)	0.36 (1.4)	5.21 (147.6)	-	-	-	-	-	-	
			40 (2.8)	0.28 (1.0)	1.06 (29.5)	36 (2.5)	0.44 (1.6)	1.49 (41.8)	48 (3.3)	0.44 (1.6)	1.79 (50.1)	60 (4.1)	0.99 (3.5)	2.25 (8.5)	80 (5.5)	1.44 (5.1)	2.72 (10.3)	2.11 (59.9)
	INT MIX WIDE ROUND	SUJXM16	Fluid Cap PFXM20 Air Cap PAJXM74-6-20-70	8 (0.6)	1.49 (5.7)	0.35 (10.0)	14 (1.0)	2.15 (8.2)	0.55 (15.5)	22 (1.5)	2.50 (9.4)	0.78 (22.0)	30 (2.1)	2.81 (10.6)	0.99 (28.0)	44 (3.0)	3.28 (12.4)	1.33 (37.7)
				10 (0.7)	1.26 (4.8)	0.42 (11.9)	16 (1.1)	1.99 (7.5)	0.61 (17.2)	26 (1.8)	2.16 (8.2)	0.88 (25.1)	34 (2.3)	2.52 (9.5)	1.09 (30.9)	48 (3.3)	3.03 (11.5)	1.42 (40.3)
14 (1.0)				0.68 (2.6)	0.55 (15.5)	22 (1.5)	1.38 (5.2)	0.78 (22.0)	36 (2.5)	1.10 (4.2)	1.14 (32.3)	46 (3.2)	1.46 (5.5)	1.38 (39.0)	65 (4.5)	1.72 (6.5)	1.80 (51.0)	
-				-	-	26 (1.8)	0.88 (3.3)	0.88 (25.1)	40 (2.8)	0.59 (2.2)	1.24 (3.4)	50 (3.4)	1.05 (4.0)	1.47 (41.6)	75 (5.2)	0.79 (3.0)	2.01 (57.0)	
-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUJXM30		Fluid Cap PFXM40 Air Cap PAJXM82-6-35-60	16 (1.1)	3.58 (13.5)	0.87 (24.5)	28 (1.9)	4.41 (16.7)	1.38 (39.1)	42 (2.9)	5.05 (19.1)	1.93 (54.7)	45 (3.1)	7.48 (28.3)	2.05 (58.0)	80 (5.5)	6.51 (24.6)	3.30 (93.5)	
			20 (1.4)	3.02 (11.4)	1.04 (29.5)	36 (2.5)	2.70 (10.2)	1.70 (48.2)	48 (3.3)	3.95 (14.9)	2.16 (61.2)	55 (3.8)	5.79 (21.9)	2.42 (68.5)	90 (6.2)	4.44 (16.8)	3.64 (103.1)	
			28 (1.9)	2.21 (8.4)	1.38 (39.1)	46 (3.2)	0.41 (1.6)	2.08 (59.0)	65 (4.5)	0.63 (2.4)	2.78 (78.7)	65 (4.5)	3.99 (15.1)	2.78 (78.7)	100 (6.9)	2.18 (8.3)	3.98 (112.6)	
			-	-	-	-	-	-	-	-	-	75 (5.2)	2.06 (7.8)	3.13 (88.6)	-	-	-	
			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INT MIX FLAT		SUJXM14	Fluid Cap PFXM28 Air Cap PAJXM76320	18 (1.2)	1.29 (4.9)	0.97 (27.5)	30 (2.1)	2.00 (7.6)	1.46 (41.4)	42 (2.9)	2.48 (9.4)	1.91 (54.1)	55 (3.8)	2.83 (10.7)	2.37 (67.1)	75 (5.2)	4.02 (15.2)	3.04 (85.9)
				22 (1.5)	0.81 (3.1)	1.14 (32.3)	36 (2.5)	1.33 (5.0)	1.69 (47.8)	46 (3.2)	2.01 (7.6)	2.05 (58.2)	65 (4.5)	1.79 (6.8)	2.71 (76.7)	85 (5.9)	2.93 (11.1)	3.35 (95.0)
				26 (1.8)	0.39 (1.5)	1.30 (36.9)	40 (2.8)	0.89 (3.4)	1.84 (52.0)	50 (3.4)	1.54 (5.8)	2.20 (62.2)	-	-	-	-	-	-
				-	-	-	44 (3.0)	0.48 (1.8)	1.98 (56.2)	-	-	-	-	-	-	-	-	-
	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SUJXM23B	Fluid Cap PFXM40 Air Cap PAJXM105328	16 (1.1)	2.79 (10.6)	1.50 (42.5)	28 (1.9)	3.98 (15.1)	2.28 (64.7)	38 (2.6)	5.70 (21.6)	2.87 (81.3)	46 (3.2)	7.33 (27.8)	3.31 (3.4)	65 (4.5)	10.01 (37.9)	4.29 (121.4)	
			18 (1.2)	2.31 (8.7)	1.64 (46.5)	30 (2.1)	3.53 (13.4)	2.40 (68.1)	40 (2.8)	5.18 (19.6)	2.98 (84.4)	50 (3.4)	6.51 (24.6)	3.52 (3.7)	75 (5.2)	8.10 (30.6)	4.77 (135.2)	
			20 (1.4)	1.84 (7.0)	1.78 (50.3)	32 (2.2)	3.08 (11.6)	2.52 (71.5)	42 (2.9)	4.65 (17.6)	3.09 (87.6)	52 (3.6)	6.08 (23.0)	3.63 (3.9)	85 (5.9)	5.94 (22.5)	5.24 (148.4)	
			24 (1.7)	0.90 (3.4)	2.03 (57.6)	36 (2.5)	2.14 (8.1)	2.76 (78.0)	46 (3.2)	3.54 (13.4)	3.31 (93.8)	56 (3.9)	5.19 (19.7)	3.84 (4.6)	90 (6.2)	4.77 (18.0)	5.47 (154.9)	
			-	-	-	-	-	-	-	-	-	60 (4.1)	4.26 (16.1)	4.04 (5.2)	-	-	-	

*Data collected with water at 70°F. Blank cells are not recommended.



JXM™ SERIES AUTOMATIC AIR ATOMIZING NOZZLES

PERFORMANCE DATA

Setup No.	Spray Set-up No.	Spray Set-up Consists of Fluid and Air cap Combination	Liquid Capacity (gph)* Air Capacity (scfm)															
			Liquid Pressure															
			10 psi (0.7 bar)			20 psi (1.4 bar)			30 psi (2.1 bar)			40 psi (2.8 bar)			60 psi (4.1 bar)			
			Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	
EXT MIX FLATS	SUJXME15B	Fluid Cap PFXM16 Air Cap PAJXM80228	10 (0.7)	1.22 (4.6)	1.04 (29.3)	15 (1.0)	1.72 (6.5)	1.38 (39.2)	20 (1.4)	2.11 (3.4)	1.70 (48.1)	30 (2.1)	2.43 (9.2)	2.26 (64.1)	40 (2.8)	2.98 (11.3)	2.78 (78.7)	
			15 (1.0)		1.38 (39.2)	20 (1.4)		1.70 (48.1)	30 (2.1)		2.26 (64.1)	40 (2.8)		2.78 (78.7)				
			20 (1.4)		1.70 (48.1)	25 (1.7)		1.99 (56.3)	40 (2.8)		2.78 (78.7)	50 (3.4)		3.26 (92.2)				
			30 (2.1)		2.26 (64.1)	35 (2.4)		2.53 (71.6)	50 (3.4)		3.26 (92.2)	60 (4.1)		3.71 (105.0)				
			40 (2.8)		2.78 (78.7)	50 (3.4)		3.26 (92.2)	60 (4.1)		3.71 (105.0)	70 (4.8)		4.14 (117.2)				
	SUJXME15A	Fluid Cap PFXM20 Air Cap PAJXM80228	10 (0.7)	1.98 (7.5)	2.80 (10.6)	1.04 (29.3)	15 (1.0)	3.42 (12.9)	1.38 (39.2)	20 (1.4)	3.95 (15.0)	1.70 (48.1)	30 (2.1)	4.84 (18.3)	1.99 (56.3)	40 (2.8)	4.84 (18.3)	2.78 (78.7)
			15 (1.0)			1.38 (39.2)	20 (1.4)		1.70 (48.1)	30 (2.1)		2.26 (64.1)	40 (2.8)		2.78 (78.7)			
			20 (1.4)			1.70 (48.1)	25 (1.7)		1.99 (56.3)	40 (2.8)		2.78 (78.7)	50 (3.4)		3.26 (92.2)			
			25 (1.7)			1.99 (56.3)	30 (2.1)		2.26 (64.1)	40 (2.8)		2.78 (78.7)	50 (3.4)		3.26 (92.2)			
			30 (2.1)			2.26 (64.1)	40 (2.8)		2.78 (78.7)	50 (3.4)		3.26 (92.2)	60 (4.1)		3.71 (105.0)			
	SUJXME18B	Fluid Cap PFXM16 Air Cap PAJXM80240	10 (0.7)	1.22 (4.6)	1.72 (6.5)	1.21 (34.3)	15 (1.0)	2.11 (8.0)	1.60 (45.2)	20 (1.4)	2.43 (9.2)	1.94 (55.0)	30 (2.1)	2.98 (11.3)	2.26 (63.9)	40 (2.8)	2.98 (11.3)	3.11 (88.0)
			15 (1.0)			1.60 (45.2)	20 (1.4)		1.94 (55.0)	30 (2.1)		2.26 (63.9)	40 (2.8)		3.11 (88.0)			
			20 (1.4)			1.94 (55.0)	25 (1.7)		2.26 (63.9)	30 (2.1)		2.78 (78.7)	40 (2.8)		3.26 (92.2)			
			25 (1.7)			2.26 (63.9)	30 (2.1)		2.78 (78.7)	40 (2.8)		3.26 (92.2)	50 (3.4)		3.71 (105.0)			
			35 (2.4)			2.84 (80.4)	40 (2.8)		3.11 (88.0)	50 (3.4)		3.61 (102.4)	60 (4.1)		4.09 (115.8)			
	SUJXME18A	Fluid Cap PFXM20 Air Cap PAJXM80240	15 (1.0)	1.98 (7.5)	2.80 (10.6)	1.60 (45.2)	15 (1.0)	3.42 (12.9)	1.94 (55.0)	20 (1.4)	3.95 (15.0)	2.26 (63.9)	30 (2.1)	4.84 (18.3)	2.56 (72.4)	40 (2.8)	4.84 (18.3)	3.11 (88.0)
			20 (1.4)			1.94 (55.0)	20 (1.4)		2.26 (63.9)	30 (2.1)		2.56 (72.4)	40 (2.8)		3.11 (88.0)			
			25 (1.7)			2.26 (63.9)	25 (1.7)		2.56 (72.4)	30 (2.1)		2.78 (78.7)	40 (2.8)		3.26 (92.2)			
			30 (2.1)			2.56 (72.4)	30 (2.1)		2.78 (78.7)	40 (2.8)		3.26 (92.2)	50 (3.4)		3.71 (105.0)			
			35 (2.4)			2.84 (80.4)	40 (2.8)		3.11 (88.0)	50 (3.4)		3.61 (102.4)	60 (4.1)		4.09 (115.8)			
EXT MIX FLATS	SUJXME15	Fluid Cap PFXM28 Air Cap PAJXM80228	15 (1.0)	4.19 (15.9)	5.93 (22.4)	1.38 (39.1)	20 (1.4)	7.26 (27.5)	1.670 (47.3)	25 (1.7)	8.38 (31.7)	1.99 (56.4)	30 (2.1)	10.26 (38.8)	2.26 (64.0)	40 (2.8)	10.26 (38.8)	2.78 (78.7)
			20 (1.4)			1.70 (48.1)	25 (1.7)		1.930 (54.7)	30 (2.1)		2.26 (64.0)	35 (2.4)		2.78 (78.7)			
			25 (1.7)			1.99 (56.4)	30 (2.1)		2.190 (62.0)	35 (2.4)		2.78 (78.7)	40 (2.8)		3.26 (92.3)			
			30 (2.1)			2.26 (64.0)	35 (2.4)		2.520 (71.4)	40 (2.8)		2.78 (78.7)	50 (3.4)		3.71 (105.1)			
			35 (2.4)			2.53 (71.6)	40 (2.8)		2.690 (76.2)	50 (3.4)		3.26 (92.3)	60 (4.1)		4.14 (117.2)			
	SUJXME18	Fluid Cap PFXM28 Air Cap PAJXM80240	15 (1.0)	4.19 (15.9)	5.93 (22.4)	1.60 (45.3)	20 (1.4)	7.26 (27.5)	1.94 (54.9)	25 (1.7)	8.38 (31.7)	2.26 (64.0)	30 (2.1)	10.26 (38.8)	2.56 (72.5)	40 (2.8)	10.26 (38.8)	3.11 (88.1)
			20 (1.4)			1.94 (54.9)	25 (1.7)		2.26 (64.0)	30 (2.1)		2.56 (72.5)	40 (2.8)		3.11 (88.1)			
			25 (1.7)			2.26 (64.0)	30 (2.1)		2.56 (72.5)	35 (2.4)		2.78 (78.7)	40 (2.8)		3.26 (92.3)			
			30 (2.1)			2.56 (72.5)	35 (2.4)		2.84 (80.4)	40 (2.8)		3.11 (88.1)	50 (3.4)		3.71 (105.1)			
			35 (2.4)			2.84 (80.4)	40 (2.8)		3.11 (88.1)	45 (3.1)		3.37 (95.4)	60 (4.1)		4.09 (115.8)			

*Data collected with water at 70°F. Blank cells are not recommended.



PERFORMANCE DATA

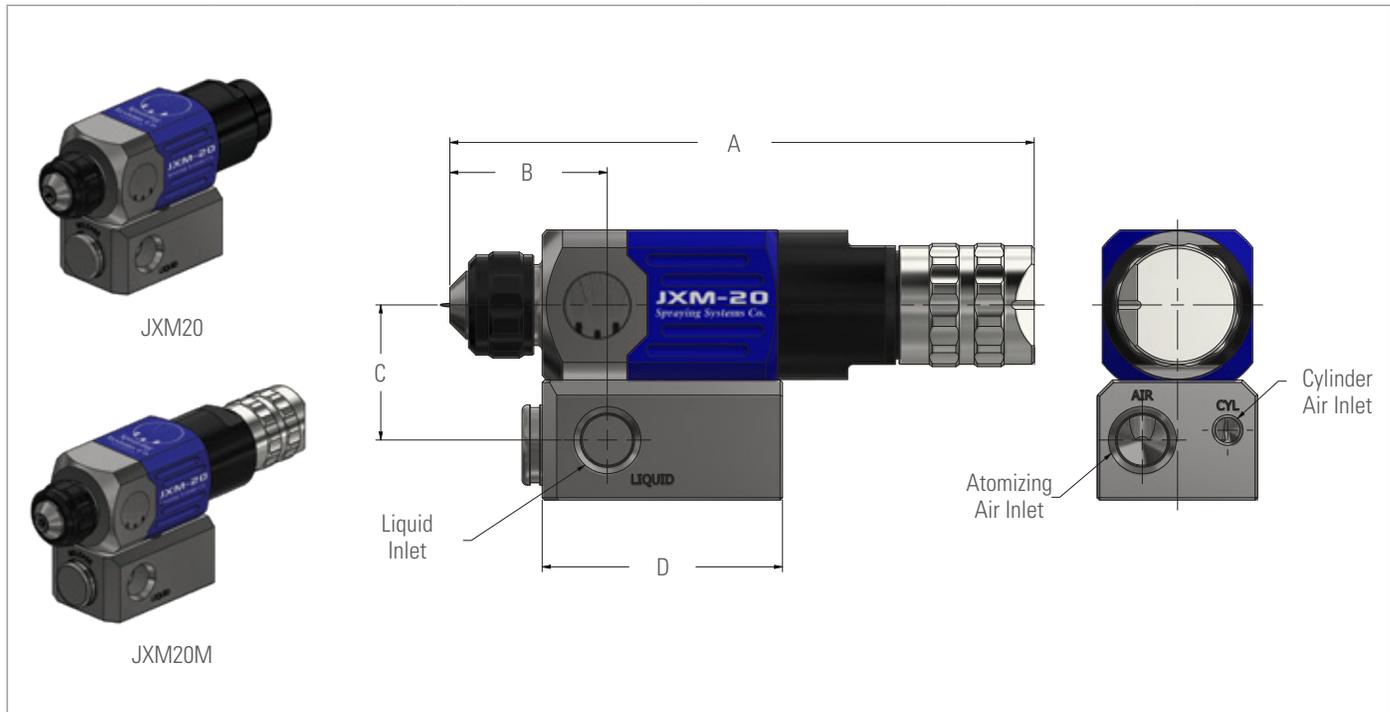
Setup No.	Spray Set-up No.	Spray Set-up Consists of Fluid and Air cap Combination	Liquid Capacity (gph)* Air Capacity (scfm)																											
			Liquid Pressure																											
			10 psi (0.7 bar)			20 psi (1.4 bar)			30 psi (2.1 bar)			40 psi (2.8 bar)			60 psi (4.1 bar)															
			Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)	Air Press. psi (bar)	Liquid gph (lph)	Air scfm (lph)													
EXT MIX ROUND	SUJXM1A	Fluid Cap PFXM16 Air Cap PAJXM80	10 (0.7)	1.22 (4.6)	0.71 (20.1)	20 (1.4)	1.72 (6.5)	1.17 (33.1)	30 (2.1)	2.11 (8.0)	1.57 (44.4)	40 (2.8)	2.43 (9.2)	1.93 (54.6)	50 (3.4)	2.98 (11.3)	2.27 (64.1)	60 (4.1)	2.98 (11.3)	2.58 (73.1)	70 (4.8)	2.98 (11.3)	2.89 (81.7)	80 (5.5)	2.98 (11.3)	3.18 (90.0)	90 (6.2)	2.98 (11.3)	3.46 (98.0)	90 (6.2)
			20 (1.4)		1.17 (33.1)	30 (2.1)		1.57 (44.4)	40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)				
			30 (2.1)		1.57 (44.4)	40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)							
			40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)										
			-		-	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)													
	SUJXM1	Fluid Cap PFXM20 Air Cap PAJXM80	10 (0.7)	1.98 (7.5)	0.71 (20.1)	20 (1.4)	2.80 (10.6)	1.17 (33.1)	30 (2.1)	3.42 (12.9)	1.57 (44.4)	40 (2.8)	3.95 (15.0)	1.93 (54.6)	50 (3.4)	4.84 (18.3)	2.27 (64.1)	60 (4.1)	4.84 (18.3)	2.58 (73.1)	70 (4.8)	4.84 (18.3)	2.89 (81.7)	80 (5.5)	4.84 (18.3)	3.18 (90.0)	90 (6.2)	4.84 (18.3)	3.46 (98.0)	90 (6.2)
			20 (1.4)		1.17 (33.1)	30 (2.1)		1.57 (44.4)	40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)				
			30 (2.1)		1.57 (44.4)	40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)							
			40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)										
			-		-	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)													
	SUJXM2A	Fluid Cap PFXM20 Air Cap PAJXM100	10 (0.7)	1.98 (7.5)	1.23 (34.8)	20 (1.4)	2.80 (10.6)	2.02 (57.1)	30 (2.1)	3.42 (12.9)	2.70 (76.4)	40 (2.8)	3.95 (15.0)	3.32 (93.9)	50 (3.4)	4.84 (18.3)	3.89 (110.2)	60 (4.1)	4.84 (18.3)	4.44 (125.6)	70 (4.8)	4.84 (18.3)	4.96 (140.3)	80 (5.5)	4.84 (18.3)	5.45 (154.4)	90 (6.2)	4.84 (18.3)	5.93 (168.0)	90 (6.2)
			20 (1.4)		1.23 (34.8)	30 (2.1)		2.02 (57.1)	40 (2.8)		2.70 (76.4)	50 (3.4)		3.32 (93.9)	60 (4.1)		3.89 (110.2)	4.44 (125.6)		4.96 (140.3)	5.45 (154.4)		5.93 (168.0)							
			30 (2.1)		1.57 (44.4)	40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)							
			40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)										
			-		-	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)													
	SUJXM2	Fluid Cap PFXM28 Air Cap PAJXM100	10 (0.7)	4.19 (15.9)	1.23 (34.8)	20 (1.4)	5.93 (22.4)	2.02 (57.1)	30 (2.1)	7.26 (27.5)	2.70 (76.4)	40 (2.8)	8.38 (31.7)	3.32 (93.9)	50 (3.4)	10.26 (38.8)	3.89 (110.2)	60 (4.1)	10.26 (38.8)	4.44 (125.6)	70 (4.8)	10.26 (38.8)	4.96 (140.3)	80 (5.5)	10.26 (38.8)	5.45 (154.4)	90 (6.2)	10.26 (38.8)	5.93 (168.0)	90 (6.2)
			20 (1.4)		1.23 (34.8)	30 (2.1)		2.02 (57.1)	40 (2.8)		2.70 (76.4)	50 (3.4)		3.32 (93.9)	60 (4.1)		3.89 (110.2)	4.44 (125.6)		4.96 (140.3)	5.45 (154.4)		5.93 (168.0)							
			30 (2.1)		1.57 (44.4)	40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)							
			40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)										
			-		-	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)													
SUJXM4A	Fluid Cap PFXM40 Air Cap PAJXM120	10 (0.7)	6.32 (23.9)	2.29 (64.7)	25 (1.7)	8.94 (33.8)	2.71 (76.6)	30 (2.1)	10.95 (41.5)	3.11 (87.9)	40 (2.8)	12.65 (47.9)	3.86 (109.3)	50 (3.4)	15.49 (58.6)	4.57 (129.4)	60 (4.1)	15.49 (58.6)	5.25 (148.6)	70 (4.8)	15.49 (58.6)	5.90 (167.0)	80 (5.5)	15.49 (58.6)	6.52 (184.7)	90 (6.2)	15.49 (58.6)	7.13 (201.9)	90 (6.2)	
		20 (1.4)		2.29 (64.7)	30 (2.1)		2.71 (76.6)	40 (2.8)		3.11 (87.9)	40 (2.8)		3.86 (109.3)	50 (3.4)		4.57 (129.4)	5.25 (148.6)		5.90 (167.0)	6.52 (184.7)		7.13 (201.9)								
		30 (2.1)		1.57 (44.4)	40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)								
		40 (2.8)		1.93 (54.6)	50 (3.4)		2.27 (64.1)	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)											
		-		-	60 (4.1)		2.58 (73.1)	70 (4.8)		2.89 (81.7)	80 (5.5)		3.18 (90.0)	90 (6.2)		3.46 (98.0)														

*Data collected with water at 70°F. Blank cells are not recommended.



JXM™ SERIES AUTOMATIC AIR ATOMIZING NOZZLES

DIMENSIONS AND WEIGHTS



Model	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	Weight oz. (g)
JXM20	3-21/32 (92.6)	31/32 (25.0)	27/32 (21.4)	1-1/2 (38.1)	10 (28.5)
JXM-20M	3 (76.2)				

SPECIFICATIONS

Max. Temperature: 180° F (82° C)
Max. Liquid Pressure: 100 psi (7 bar)
Max. Air Pressure: 60 psi (4 bar)
Min. Cylinder Air Pressure: 45 psi (3 bar)
Approx. Anticipator/Follower Time: 50 ms.

Max. Cycle Rate: 400 cycles/min.*
Liquid Inlet: 1/8 NPT or BSPT
Atomizing Air Inlet: 1/8 NPT or BSPT
Cylinder Air Inlet: #10-32 or M5

*Max. operational speed depends on pressures used, control solenoid capabilities, and distance from solenoid. Value shown is typical for most set-ups.



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