

JM Impingement Mist Nozzle

Design Features

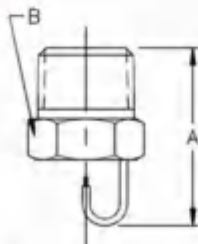
- High energy efficiency
- One-piece, compact construction
- No whirl vanes or internal parts
- 1/8" or 1/4" male connection
- 100-mesh screen, 20 micron paper filter or 70 micron polypropylene filter optional
- Optional welded pin and optional safety wire hole

Spray Characteristics

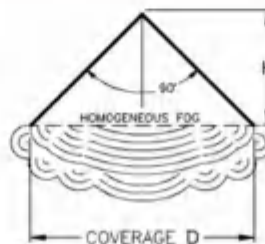
- Finest fog of any direct pressure nozzle
- Spray pattern:** Cone-shaped Fog
- Spray angle:** 90°. For best 90° pattern operate nozzle at or above 4 bar
- Flow rates:** 0.043 to 5.34 l/min



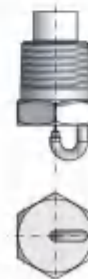
Fog



Male



Fog Pattern



JM with polypropylene filter

Dimensions are approximate. Check with CYCO for critical dimension applications.

Male Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR								Approx. Orifice Dia. (mm)	Approx. Cov. D. (mm)	Approx. Spray Height H (mm)	Pipe Size	Dim. (mm)		Wt. (g) Metal
			2 bar	3 bar	5 bar	10 bar	20 bar	30 bar	50 bar	70 bar					A	B	
1/8	JM6	0.0137			0.031	0.043	0.061	0.075	0.097	0.114	0.152	203	103	1/8	19.1	11.1	7
	JM8	0.0259			0.058	0.082	0.116	0.142	0.183	0.217	0.203	254	127				
	JM10	0.0387		0.067	0.087	0.123	0.173	0.212	0.274	0.324	0.254	254	127				
	JM12	0.0524		0.091	0.117	0.166	0.234	0.287	0.371	0.439	0.305	254	127				
	JM15	0.0843	0.119	0.146	0.189	0.267	0.377	0.462	0.596	0.705	0.381	254	127				
OR 1/4	JM20	0.153	0.216	0.264	0.341	0.483	0.683	0.836	1.08	1.28	0.508	310	155	1/4	24.6	14.2	7
	JM24	0.228	0.322	0.395	0.510	0.721	1.02	1.25	1.61	1.91	0.610	400	200				
	JM28	0.296	0.419	0.513	0.662	0.937	1.32	1.62	2.09	2.48	0.711	460	230				
	JM32	0.410	0.902	0.710	0.917	1.297	1.83	2.25	2.90	3.43	0.813	560	280				
	JM40	0.638	0.902	1.11	1.43	2.02	2.85	3.49	4.51	5.34	1.02	610	305				

Flow Rate (l/min) = K √ bar

Standard Materials: Brass, 303 Stainless Steel, and 316 Stainless Steel

Spray angle performance varies with pressure. Contact CYCO for specific data on critical applications.