

# JM Series Impact Misting Fine Spray Nozzle

JM Series Impact Misting Fine Spray Nozzle Of this direct pressure nozzle, the fine solid stream spraying from the orifice strikes an impingement pin of the same diameter and orifice diameter, producing ultra fine mist. This kind of nozzle can replace many expensive two-fluid air atomizing nozzles with compressed air or compressed steam as the second fluid.

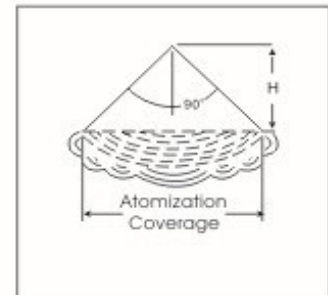
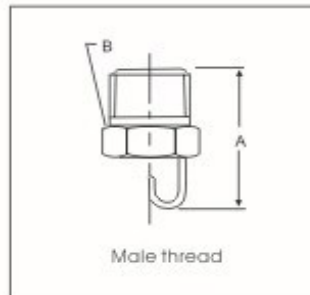
Our company imported the US advanced perforating equipment producing 0.1 to 0.15 mm diameter orifice. The nozzle produces ultra fine mist under the water pressure of 70 to 120kg. It can be widely used in textile workshop, man-made fog, livestock farm, big shelter in green house and other locations where spray moistening is a requirement. It consumes 3W electricity per kilogram spray fog, which means very low cost.

## DESIGN FEATURES

- High energy efficiency
- One-piece design with rugged structure
- No whirl chamber and internal parts
- 1/8or "1/4" male thread connection
- Features built-in TEFLON mesh strainer or 10 um stainless steel mesh strainer

## SPRAY CHARACTERISTICS

- Finest atomization of any direct pressure nozzle
  - Fine spray with droplet sizes of less than 50 um each
- Spray Pattern: Cone-shaped atomization  
 Spray Angle: 90°  
 Flow Rates: 0.0580 to 5.0 liters per minute



## Standard Specification

Impact nozzle with spray angle of 90° , 1/4 pipe diameter and BSPT or NPT pipe thread.

Male Thread Pipe Dia.	Capacity Size	Capacity liters per minute								Nominal Orifice Diameter mm	Coverage Dia. mm	Dimensions	
		1bar	2bar	3bar	5bar	7bar	10bar	20bar	30bar			A	B
1/8	JM6				0.0432	0.061	0.075	0.097	0.114	0.150	203		
	JM8			0.058	0.082	0.116	0.142	0.183	0.217	0.200	254		
	JM10		0.0671	0.0866	0.123	0.173	0.212	0.274	0.324	0.200	425	19.1	11.1
	JM12		0.0908	0.117	0.166	0.234	0.287	0.371	0.439	0.300	525		
	JM15	0.119	0.146	0.189	0.267	0.377	0.426	0.596	0.705	0.380	254		
1/4	JM20	0.216	0.264	0.341	0.483	0.683	0.836	1.08	1.28	0.500	310		
	JM24	0.322	0.395	0.51	0.721	1.02	1.25	1.61	1.91	0.600	380		
	JM28	0.419	0.513	0.662	0.9368	1.32	1.62	2.09	2.48	0.700	460	24.6	14.2
	JM32	0.58	0.71	0.917	1.2972	1.83	2.25	2.09	3.43	0.800	530		
	JM40	0.902	1.11	1.43	2.02	2.85	3.49	4.51	5.34	1.00	610		

Standard material: brass, 303 and 316 stainless steel. Other materials are available in material list.

## ORDERING INFO

JM - 1/8 - JM5 - SS  
 ↓     ↓     ↓     ↓  
 Male Thread Conn.     Nozzle Series     Capacity Size     Material Code