



THE  
**SPRAY NOZZLE**  
PEOPLE

**PJ**

Smallest Physical Size



# MISTING

## DESIGN FEATURES

- ✓ High energy efficiency
- ✓ One-piece, compact construction
- ✓ No whirl vanes or internal parts
- ✓ 1/8" or 1/4" male connection
- ✓ Standard: 100-mesh 316ss screen
- ✓ Optional: 200 mesh 316ss screen
- ✓ Optional: 20 micron paper filter
- ✓ Optional: 70 micron polypropylene filter
- ✓ Optional welded pin and optional safety wire hole

## SPRAY CHARACTERISTICS

- ✓ Finest fog of any direct pressure nozzle
- ✓ Spray pattern: Cone-shaped Fog
- ✓ Spray angles: 90°, for best performance run at 4 bar or over
- ✓ Flow rates: 0.043 to 5.34 l/min



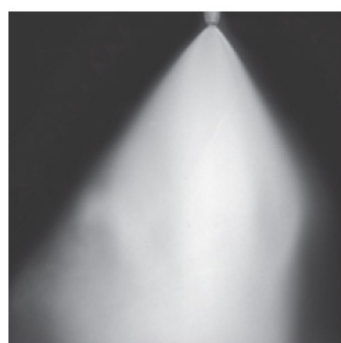
The PJ misting nozzle works by impacting the fluid on a special impingement pin. This shatters the fluid into very fine droplets. The PJ nozzle is a very efficient atomiser and produces the smallest drop sizes of any direct pressure nozzle. The PJ is used in many applications including:

Dust Suppression  
Moistening  
Evaporative Cooling  
Odour Control  
Coating  
Air Conditioning  
And More.

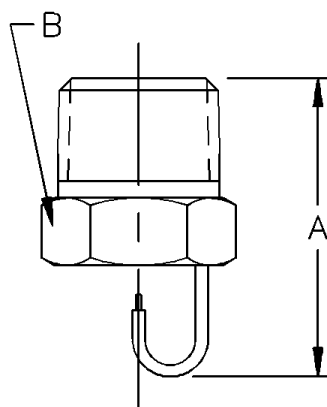
CALL NOW : +44 (0) 1273 400092

[www.spray-nozzle.co.uk](http://www.spray-nozzle.co.uk)

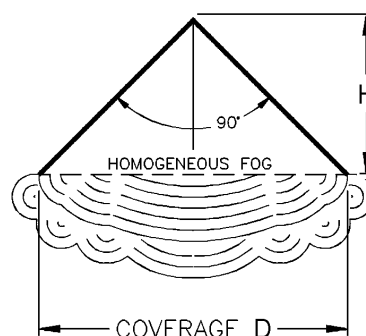
The Go-to People for spray nozzle solutions



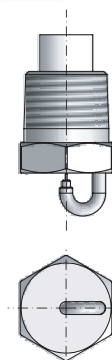
Fog



Male



Fog Pattern



PJ with polypropylene filter

## PJ Nozzles flow rate and dimensions

Impingement, 90° Spray Angle, 1/8" or 1/4" Pipe Sizes, BSP or NPT  
Standard Materials: Brass, 303 and 316 Stainless Steel

Nozzle No.	K Factor	Flow Rate @ Bar								Orifice Dia	Coverage	Spray Height	Dimensions		Weight (g)
		2 bar	3 bar	5 bar	10 bar	20 bar	30 bar	50 bar	70 bar				A	B	
PJ6	0.0137			0.031	0.043	0.061	0.075	0.097	0.114	0.152	203	103			
PJ8	0.0259			0.058	0.082	0.116	0.142	0.183	0.217	0.203	254	127			
PJ10	0.0387		0.067	0.087	0.123	0.173	0.212	0.274	0.324	0.254	254	127	19.1	11.1	
PJ12	0.0524		0.091	0.117	0.166	0.234	0.287	0.371	0.439	0.305	254	127			
PJ15	0.0843	0.119	0.146	0.189	0.267	0.377	0.462	0.596	0.705	0.381	254	127			
PJ20	0.153	0.216	0.264	0.341	0.483	0.683	0.836	1.08	1.28		310	155			
PJ24	0.228	0.322	0.395	0.51	0.721	1.02	1.25	1.61	1.91		400	200			
PJ28	0.296	0.419	0.513	0.662	0.937	1.32	1.62	2.09	2.48	0.711	460	230	24.6	14.2	
PJ32	0.41	0.58	0.71	0.917	1.297	1.83	2.25	2.9	3.43	0.813	560	280			
PJ40	0.638	0.902	1.11	1.43	2.02	2.85	3.49	4.51	5.34	1.02	610	305			

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Flow Rate (l/min) =  $K \sqrt{\text{bar}}$

**Ask our technical sales engineers about additional products and services to optimise your spraying process.**

## Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



**Spray Pattern & Droplet Distribution**



**Nozzle Flow Calibrators**



**Nozzle Cleaning Kit**

## Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

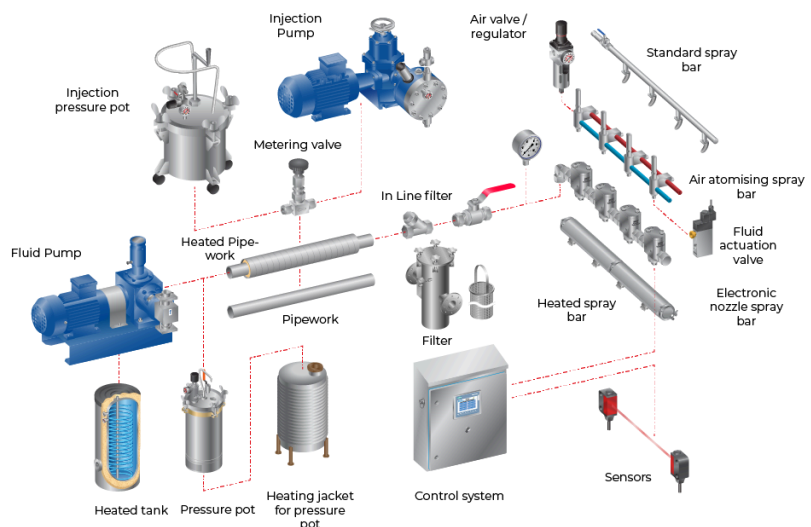
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



## Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



**THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING**