



THE  
**SPRAY NOZZLE**  
PEOPLE

**P**

Misting  
Fine Atomisation



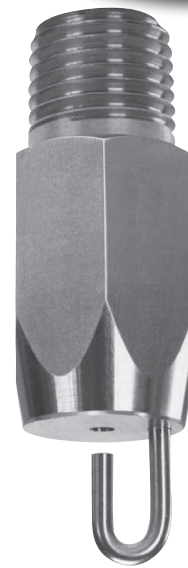
# MISTING

## DESIGN FEATURES

- ✓ High energy efficiency
- ✓ No whirl vanes or internal parts
- ✓ Highly efficient laminar jet impinges on target pin generating fine fog
- ✓ Male connection

## 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: 0.153 to 30.3 L/min



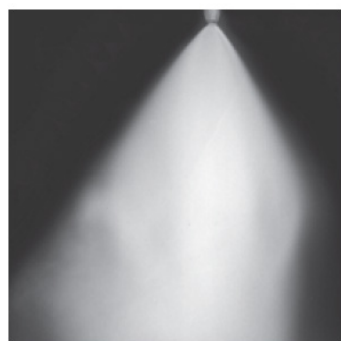
The P misting nozzle works by impacting the fluid on a special impingement pin. This shatters the fluid into very fine droplets. The P nozzle is a very efficient atomiser and produces the finest fog of any direct pressure nozzle. The P is used in many applications including:

Dust Suppression  
Evaporative Cooling  
Odour Control  
and more.

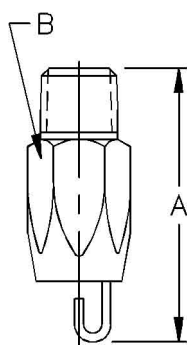
CALL NOW : +44 (0) 1273 400092

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

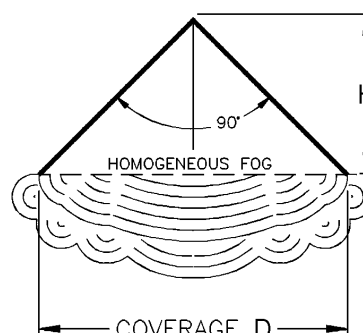
The Go-to People for spray nozzle solutions



Fog



Male



Fog Pattern

## P Flow Rates and Dimensions

Cone-Shaped Fog, 90° Spray Angle, 1/4" Pipe Size, BSP or NPT  
Standard Materials: Brass, 303 and 316 Stainless Steel

Pipe Size	Nozzle No	K Factor	Flow Rate (l/min) at pressure (Bar)								Orifice Dia	Approx Coverage Dia	Approx Spray Height	Approx Dim (mm)		Wt (g)
			1 bar	2 bar	3 bar	5 bar	7 bar	10 bar	20 bar	30 bar				A	B	
1/4"	P20	0.153	0.153	0.216	0.264	0.341	0.404	0.483	0.683	0.836	0.508	300	150	46.5	16	57
	P24	0.228	0.228	0.322	0.395	0.51	0.603	0.721	1.02	1.25	0.61	400	200			
	P28	0.296	0.296	0.419	0.513	0.662	0.784	0.937	1.32	1.62	0.711	460	230			
	P32	0.41	0.41	0.58	0.71	0.917	1.09	1.3	1.83	2.25	0.813	560	280			
	P40	0.638	0.638	0.902	1.11	1.43	1.69	2.02	2.85	3.49	1.02	610	305			
	P48	0.912	0.912	1.29	1.58	2.04	2.41	2.88	4.08	4.99	1.22	710	355			
	P54	1.21	1.21	1.71	2.09	2.7	3.2	3.82	5.4	6.62	1.37	760	380			
	P66	1.71	1.71	2.42	2.96	3.82	4.52	5.4	7.64	9.36	1.68	910	455			
	P80	2.46	2.46	3.48	4.26	5.5	6.51	7.78	11	13.5	2.03	1200	600			
	P120	5.54	5.54	7.83	9.59	12.4	14.7	17.5	24.8	30.3	3.05	1500	750			

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

**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.

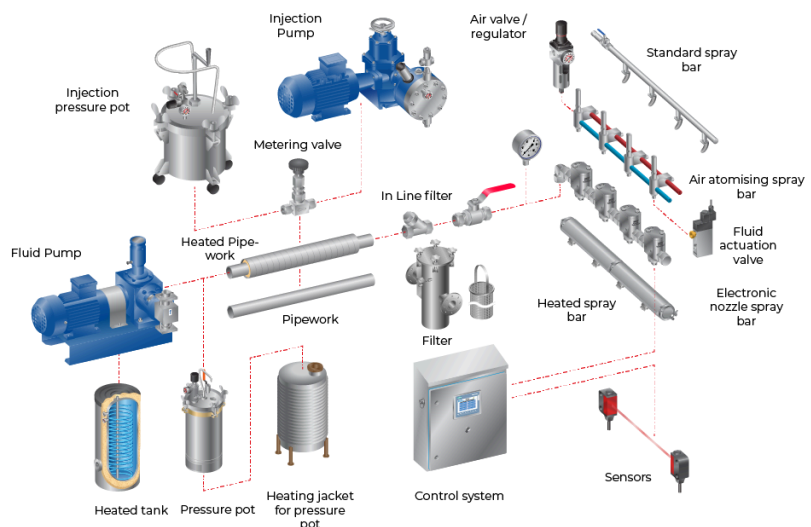
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



## 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**