



THE
SPRAY NOZZLE
PEOPLE

MicroWhirl

Fine Atomisation
Misting Nozzles

MISTING

DESIGN FEATURES

- ✓ Outstanding atomisation
- ✓ Rugged pinless design
- ✓ Drip-free performance
- ✓ Standard: 70 micron polypropylene filter
- ✓ Optional: 200-mesh 316ss screen
- ✓ Safety wire hole available
- ✓ Patented design
- ✓ Minimum operating pressure 7 bar

SPRAY CHARACTERISTICS

- ✓ Mist at low pressure; fog at high pressure
- ✓ Spray pattern: Cone-shaped fog
- ✓ Flow rates: 0.032 to 1.413 L/min



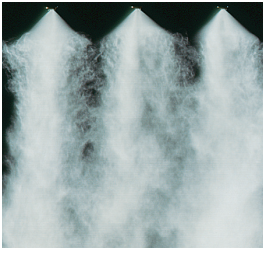
The MicroWhirl (MW) nozzle is a low flow rate misting nozzle used to produce very finely atomised sprays. The spray starts out as a hollow cone pattern which quickly becomes a genuine fog at a short distance from the orifice. The MW is used in a number of applications including:

Air Conditioning
Dust Control
Concrete Curing
Humidification
Moistening
And more.

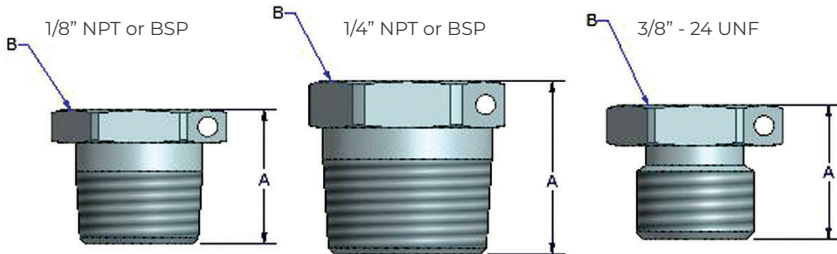
CALL NOW : +44 (0) 1273 400092

www.spray-nozzle.co.uk

The Go-to People for spray nozzle solutions



Fog



Shown with optional 1.59mm (1/16") diameter safety wire hole

Pipe Size	Dimensions	
	A	B
1/8"	12.3	11.1
1/4"	17.5	14.3
3/8-24UNF	10.8	12.7

MicroWhirl Flow Rates

Nozzle Number	K Factor	Litres per minute @ BAR								Wt (g)
		7 BAR	20 BAR	40 BAR	70 BAR	100 BAR	140 BAR	170 BAR	200 BAR	
MW085	0.0122	0.032	0.055	0.077	0.102	0.122	0.145	0.16	0.173	7.09
MW105	0.0151	0.04	0.068	0.096	0.127	0.151	0.179	0.197	0.214	
MW125	0.018	0.048	0.081	0.114	0.151	0.18	0.213	0.235	0.255	
MW145	0.0209	0.055	0.093	0.132	0.175	0.209	0.247	0.272	0.296	
MW195	0.0281	0.074	0.126	0.178	0.235	0.281	0.332	0.366	0.397	
MW275	0.0396	0.105	0.177	0.251	0.332	0.396	0.469	0.517	0.56	
MW695	0.0999	0.264	0.447	0.632	0.836	0.999	1.182	1.302	1.413	

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

Orifice Sizes

Nozzle Number	Equiv. free passage diameter	Orifice diameter
MW085	0.244	0.330
MW105	0.272	0.381
MW125	0.323	0.381
MW145	0.323	0.406
MW195	0.384	0.457
MW275	0.422	0.559
MW695	0.737	0.787

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.

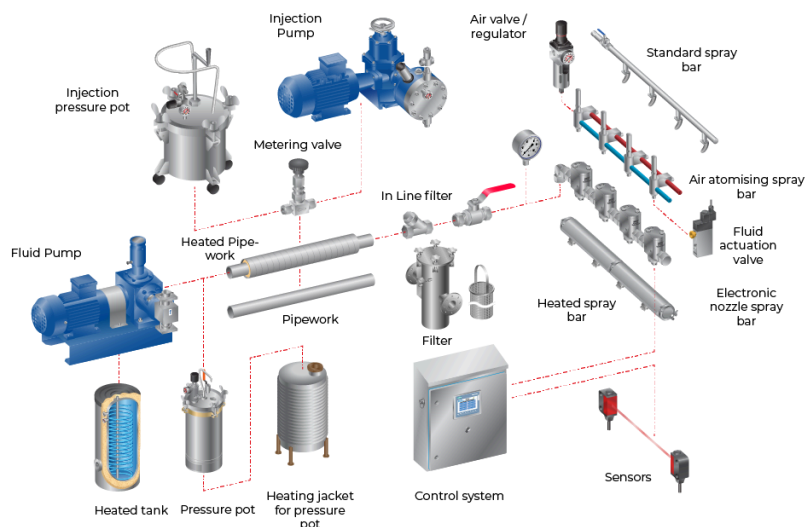
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



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