



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



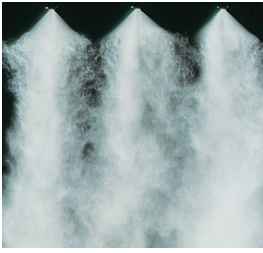
The MicroWhirl (MW) nozzle is a low flow rate misting nozzle used to produce very finely atomised sprays. The spray starts out as a hollow cone pattern which quickly becomes a genuine fog at a short distance from the orifice. The MW is used in a number of applications including:

Air Conditioning  
Dust Control  
Concrete Curing  
Humidification  
Moistening  
And more.

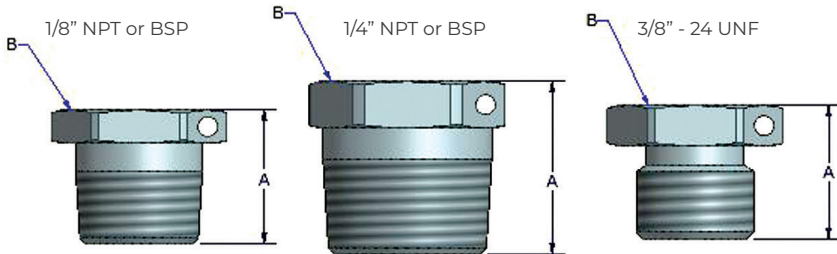
CALL NOW : +44 (0) 1273 400092

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

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

## 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