

# MicroWhirl™

**NEW!  
FLOW RATES  
NOW TO  
1.413 l/min!**



Metal

## Fine Atomization

### DESIGN FEATURES

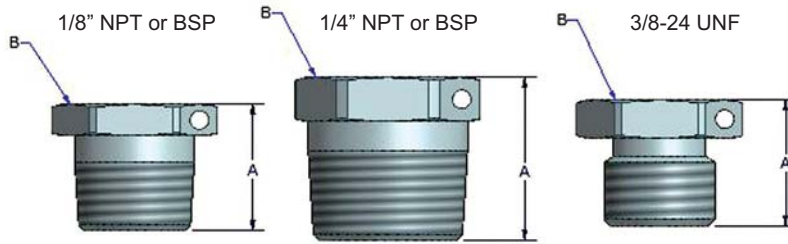
- Outstanding atomization
- Rugged pinless design
- Drip-free performance
- 70 micron polypropylene filter
- Safety wire hole available
- U.S. Patent #7198201
- Minimum operating pressure 7 bar

### SPRAY CHARACTERISTICS

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



Fog



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

### Dimensions (mm)

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

Dimensions are approximate. Check with BETE for critical dimension applications.

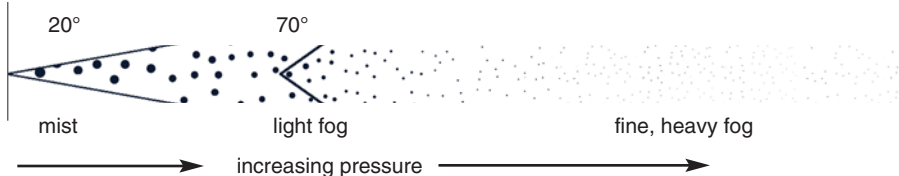
### MicroWhirl Flow Rates and Dimensions

Fogging, 70° Spray Angle, 1/8", 1/4" BSP or NPT or 3/8" - 24 UNF Pipe Sizes

Male Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR								Wt (g)
			7 bar	20 bar	40 bar	70 bar	100 bar	140 bar	170 bar	200 bar	
1/8"	MW085	0.0122	0.032	0.055	0.077	0.102	0.122	0.145	0.160	0.173	7.09
	MW105	0.0151	0.040	0.068	0.096	0.127	0.151	0.179	0.197	0.214	
	or MW125	0.0180	0.048	0.081	0.114	0.151	0.180	0.213	0.235	0.255	
1/4"	MW145	0.0209	0.055	0.093	0.132	0.175	0.209	0.247	0.272	0.296	
	or 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	0.560	
3/8"-24UNF	MW695	0.09988	0.316	0.447	0.632	0.836	0.999	1.182	1.302	1.413	

### Nominal Angle

### Atomization Level



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

**Standard Materials: 303 and 316 Stainless Steel, Polypropylene filter** (Viton O-ring seal supplied for 3/8"-24 UNF connection)

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.

MISTING

TO ORDER: specify pipe size, connection type, nozzle number, spray angle, and material.