

MicroWhirl™

Fine Atomization

DESIGN FEATURES

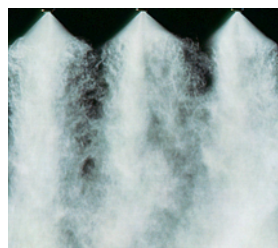
- Outstanding atomization
- Rugged pinless design
- Drip-free performance
- 70 micron polypropylene filter
- Safety wire hole available
- U.S. Patent #7198201
- Minimum operating pressure 100 psi

SPRAY CHARACTERISTICS

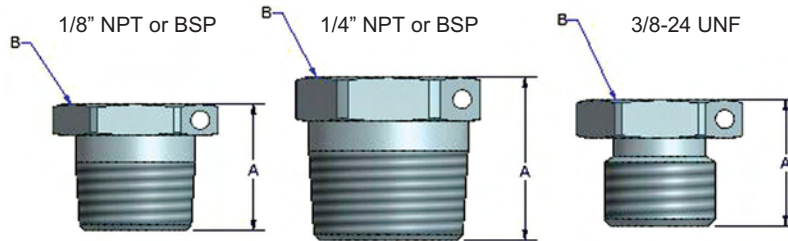
- Mist at low pressure; fog at high pressure
- Spray pattern:** Cone-shaped Fog
Flow rates: 0.009 - 0.151 gpm



Metal



Fog



Shown with optional 1/16" diameter safety wire hole

Dimensions (in.)

Pipe Size	A	B
1/8"	0.485	0.438
1/4"	0.690	0.563
3/8-24UNF	0.425	0.5

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	GALLONS PER MINUTE @ PSI								Wt (oz)
			100 psi	300 psi	600 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	
1/8" or 1/4" or 3/8"-24UNF	MW085	0.00085	0.009	0.015	0.021	0.027	0.033	0.038	0.043	0.047	0.25
	MW105	0.00105	0.011	0.018	0.026	0.033	0.041	0.047	0.053	0.058	
	MW125	0.00125	0.013	0.022	0.031	0.040	0.048	0.056	0.063	0.068	
	MW145	0.00145	0.015	0.025	0.036	0.046	0.056	0.065	0.073	0.079	
MW195	0.00195	0.020	0.034	0.048	0.062	0.076	0.087	0.098	0.107		
MW275	0.00275	0.028	0.048	0.067	0.087	0.107	0.123	0.138	0.151		
Nominal Angle			20°	70°							
Atomization Level			coarse mist	light fog					fine, heavy fog		

$$\text{Flow Rate (GPM)} = K \sqrt{\text{PSI}}$$

Standard Materials: 303 and 316 Stainless Steel, Polypropylene filter and 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.