

# MicroWhirl®

## Fine Atomization

### DESIGN FEATURES

- Outstanding atomization
- 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 100 psi

### SPRAY CHARACTERISTICS

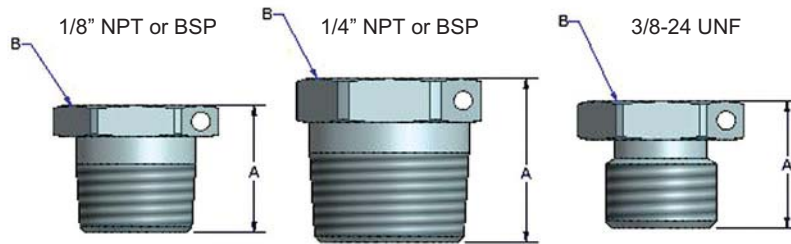
- Mist at low pressure; fog at high pressure

**Spray pattern:** Cone-shaped Fog

**Flow rates:** 0.009 - 0.380 gpm



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.

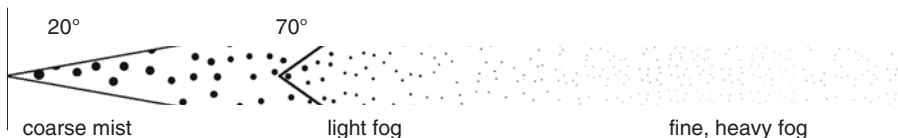
### MicroWhirl Flow Rates and Dimensions

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"	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	
	or MW125	0.00125	0.013	0.022	0.031	0.040	0.048	0.056	0.063	0.068	
1/4"	MW145	0.00145	0.015	0.025	0.036	0.046	0.056	0.065	0.073	0.079	
	or MW195	0.00195	0.020	0.034	0.048	0.062	0.076	0.087	0.098	0.107	
3/8"-24UNF	MW275	0.00275	0.028	0.048	0.067	0.087	0.107	0.123	0.138	0.151	
	MW695	0.00693	0.069	0.120	0.170	0.219	0.268	0.310	0.347	0.380	

Nominal Angle

Atomization Level



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

Pattern with increasing pressure from nozzle

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.

MISTING

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