Fine Atomization

DESIGN FEATURES
• Outstanding atomization
• Rugged pinless design
• Drip-free performance
• 70 micron polypropylene filter
• 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

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 | 7 bar | 20 bar | 40 bar | 70 bar | 100 bar | 140 bar | 170 bar | 200 bar | Wt (g)
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
1/8" or 1/4" | MW085 | 0.0122 | 0.032 | 0.055 | 0.077 | 0.102 | 0.122 | 0.145 | 0.160 | 0.173 |
| MW105 | 0.0151 | 0.040 | 0.068 | 0.096 | 0.127 | 0.151 | 0.179 | 0.197 | 0.214 |
| MW125 | 0.0180 | 0.048 | 0.081 | 0.114 | 0.151 | 0.180 | 0.213 | 0.235 | 0.255 |
1/4" or 3/8"-24UNF | MW145 | 0.0209 | 0.055 | 0.093 | 0.132 | 0.175 | 0.209 | 0.247 | 0.272 | 0.296 | 7.09
| 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 |
| MW695 | 0.09988 | 0.264 | 0.447 | 0.632 | 0.836 | 0.999 | 1.182 | 1.302 | 1.413 |

Nominal Angle

- 20°: mist
- 70°: light fog, fine, heavy fog

Pattern with increasing pressure from nozzle

Flow Rate ( l/min ) = K Ö bar

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.