

P

Fine Atomization

DESIGN FEATURES

- High energy efficiency
- No whirl vanes or internal parts
- Highly efficient laminar jet impinges on target pin generating fine fog
- Male connection

SPRAY CHARACTERISTICS

- Finest fog of any direct pressure nozzle

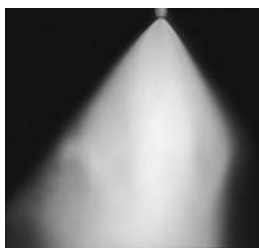
Spray pattern: Cone-shaped Fog

Spray angle: 90°. For best 90° pattern operate nozzle at or above 4 bar

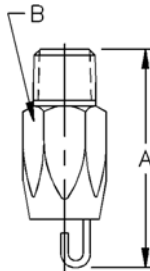
Flow rates: 0.153 to 30.3 l/min



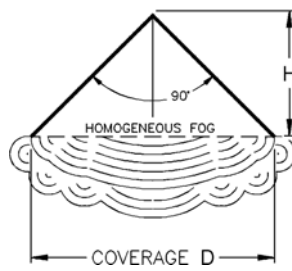
MISTING



Fog



Male



Fog Pattern

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

P Flow Rates and Dimensions

Cone-Shaped Fog, 90° Spray Angle, 1/4" Pipe Size, BSP or NPT

| Male Pipe Size | Nozzle Number | K Factor | LITERS PER MINUTE @ BAR | | | | | | | | Approx. Orifice Dia. (mm) | Approx. Coverage D (mm) | Approx. Spray Height H (mm) | Approx. Dim. (mm) | | Wt. (g) Metal |
|----------------|---------------|----------|-------------------------|-------|-------|-------|-------|--------|--------|--------|---------------------------|-------------------------|-----------------------------|-------------------|------|---------------|
| | | | 1 bar | 2 bar | 3 bar | 5 bar | 7 bar | 10 bar | 20 bar | 30 bar | | | | A | B | |
| 1/4 | P20 | 0.153 | 0.153 | 0.216 | 0.264 | 0.341 | 0.404 | 0.483 | 0.683 | 0.836 | 0.508 | 300 | 150 | 46.5 | 16.0 | 57 |
| | P24 | 0.228 | 0.228 | 0.322 | 0.395 | 0.510 | 0.603 | 0.721 | 1.02 | 1.25 | 0.610 | 400 | 200 | | | |
| | P28 | 0.296 | 0.296 | 0.419 | 0.513 | 0.662 | 0.784 | 0.937 | 1.32 | 1.62 | 0.711 | 460 | 230 | | | |
| | P32 | 0.410 | 0.410 | 0.580 | 0.710 | 0.917 | 1.09 | 1.30 | 1.83 | 2.25 | 0.813 | 560 | 280 | | | |
| | P40 | 0.638 | 0.638 | 0.902 | 1.11 | 1.43 | 1.69 | 2.02 | 2.85 | 3.49 | 1.02 | 610 | 305 | | | |
| | P48 | 0.912 | 0.912 | 1.29 | 1.58 | 2.04 | 2.41 | 2.88 | 4.08 | 4.99 | 1.22 | 710 | 355 | | | |
| | P54 | 1.21 | 1.21 | 1.71 | 2.09 | 2.70 | 3.20 | 3.82 | 5.40 | 6.62 | 1.37 | 760 | 380 | | | |
| | P66 | 1.71 | 1.71 | 2.42 | 2.96 | 3.82 | 4.52 | 5.40 | 7.64 | 9.36 | 1.68 | 910 | 455 | | | |
| | P80 | 2.46 | 2.46 | 3.48 | 4.26 | 5.50 | 6.51 | 7.78 | 11.0 | 13.5 | 2.03 | 1200 | 600 | | | |
| | P120 | 5.54 | 5.54 | 7.83 | 9.59 | 12.4 | 14.7 | 17.5 | 24.8 | 30.3 | 3.05 | 1500 | 750 | | | |

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

Standard Materials: Brass, 303 Stainless Steel, and 316 Stainless Steel

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

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