

# L

## Low Flow

### DESIGN FEATURES

- A series of small spiral nozzles with orifice diameters of 1.02mm to 3.05mm
- Male connection

### SPRAY CHARACTERISTICS

**Spray pattern:** Hollow Cone Fog, nearly as fine as P Series

**Spray angles:** 90° standard (120° available by special order)

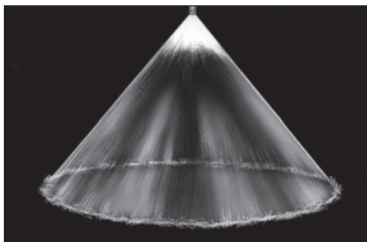
**Flow rates:** 0.534 to 14.7 l/min



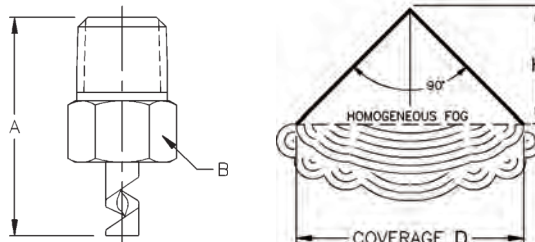
Metal



MISTING



Hollow Cone 90°



Fog Pattern

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

### L Flow Rates

Hollow Cone, 90° Spray Angle, 1/8" and 1/4" Pipe Sizes, BSP or NPT

| Male Pipe Size | Nozzle Number | K Factor | LITERS PER MINUTE @ BAR |       |         |       |       |       |       |       | Approx. Orifice Dia. (mm) | Spray Dimensions (mm) |     |
|----------------|---------------|----------|-------------------------|-------|---------|-------|-------|-------|-------|-------|---------------------------|-----------------------|-----|
|                |               |          | 0.7 bar                 | 1 bar | 1.5 bar | 2 bar | 3 bar | 4 bar | 5 bar | 7 bar |                           | D                     | H   |
| 1/8            | L40           | 0.638    | 0.534                   | 0.638 | 0.781   | 0.902 | 1.11  | 1.28  | 1.43  | 1.69  | 1.02                      | 610                   | 305 |
|                | L48           | 0.912    | 0.76                    | 0.91  | 1.12    | 1.29  | 1.58  | 1.82  | 2.04  | 2.41  | 1.22                      | 690                   | 345 |
|                | L54           | 1.21     | 1.01                    | 1.21  | 1.48    | 1.71  | 2.09  | 2.42  | 2.70  | 3.20  | 1.37                      | 760                   | 380 |
| or             | L66           | 1.71     | 1.43                    | 1.71  | 2.09    | 2.42  | 2.96  | 3.42  | 3.82  | 4.52  | 1.68                      | 910                   | 455 |
| 1/4            | L80           | 2.46     | 2.06                    | 2.46  | 3.01    | 3.48  | 4.26  | 4.92  | 5.50  | 6.51  | 2.03                      | 1200                  | 600 |
|                | L120          | 5.54     | 4.63                    | 5.54  | 6.78    | 7.83  | 9.59  | 11.1  | 12.4  | 14.7  | 3.05                      | 1500                  | 750 |

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

Standard Materials: Brass, 303 Stainless Steel, 316 Stainless Steel, and PTFE (L40, L48, L54 not available in PTFE)

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

### L Dimensions BSP or NPT

| Male Pipe Size | Dimensions (mm) |      | Wt. (g) Metal |
|----------------|-----------------|------|---------------|
|                | A               | B    |               |
| 1/8"           | 28.4            | 14.3 | 17            |
| 1/4"           | 33.3            | 14.3 | 21            |