

# LP

## Low Profile

### DESIGN FEATURES

- Provides effective cleaning with low water consumption
- Interchangeable family of shower nozzles
- Self-aligning
- Orifice designed for efficient cleaning

### SPRAY CHARACTERISTICS

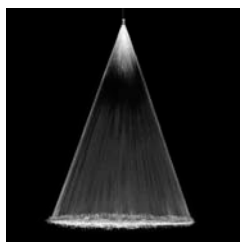
**Spray patterns:** Straight Jet and Flat Fan.

**Spray Angles:** 0°, 30° and 60°

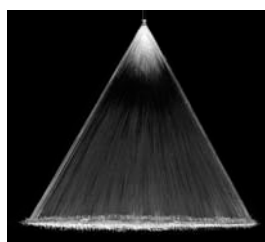
**Flow rates:** 0.041 to 43.9 gpm  
0.162 to 155 l/min.



0° Fan



30° Fan



60° Fan



Retaining Ring



LP nozzle



Gasket

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

### LP Flow Rates and Dimensions

Fan and Straight Jet, 0°, 30° and 60° Spray Angles

| Nozzle Number | Available Spray Angle<br>0° 30° 60° | K Factor | LITERS PER MINUTE @ BAR |       |       |        |        | Equivalent Orifice Dia. (mm) |
|---------------|-------------------------------------|----------|-------------------------|-------|-------|--------|--------|------------------------------|
|               |                                     |          | 3 bar                   | 4 bar | 5 bar | 10 bar | 30 bar |                              |
| LP0041        | 0°                                  | 0.0937   | 0.162                   | 0.187 | 0.209 | 0.296  | 0.513  | 0.4                          |
| LP0073        | 0°                                  | 0.167    | 0.290                   | 0.334 | 0.374 | 0.529  | 0.916  | 0.6                          |
| LP0090        | 0°                                  | 0.205    | 0.354                   | 0.409 | 0.458 | 0.647  | 1.12   | 0.7                          |
| LP013         | 0°                                  | 0.298    | 0.517                   | 0.597 | 0.667 | 0.943  | 1.63   | 0.8                          |
| LP023         | 0° 30° 60°                          | 0.520    | 0.901                   | 1.04  | 1.16  | 1.65   | 2.85   | 1.0                          |
| LP033         | 0° 30° 60°                          | 0.744    | 1.29                    | 1.49  | 1.66  | 2.35   | 4.07   | 1.2                          |
| LP043         | 0° 30° 60°                          | 0.967    | 1.68                    | 1.93  | 2.16  | 3.06   | 5.30   | 1.5                          |
| LP08          | 0° 30° 60°                          | 1.83     | 3.17                    | 3.66  | 4.09  | 5.79   | 10.0   | 2.0                          |
| LP12          | 0° 30° 60°                          | 2.82     | 4.89                    | 5.65  | 6.32  | 8.93   | 15.5   | 2.5                          |
| LP20          | 0° 30° 60°                          | 4.50     | 7.79                    | 8.99  | 10.1  | 14.2   | 24.6   | 3.0                          |
| LP31          | 60°                                 | 7.16     | 12.4                    | 14.3  | 16.0  | 22.7   | 39.2   | 4.0                          |
| LP49          | 60°                                 | 11.2     | 19.3                    | 22.3  | 25.0  | 35.3   | 61.2   | 5.0                          |
| LP78          | 60°                                 | 17.9     | 31.0                    | 35.7  | 40.0  | 56.5   | 97.9   | 6.0                          |
| LP99          | 60°                                 | 22.5     | 38.9                    | 45.0  | 50.3  | 71.1   | 123    | 7.0                          |
| LP124         | 60°                                 | 28.2     | 48.9                    | 56.5  | 63.2  | 89.3   | 155    | 8.0                          |

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

Standard Materials: 316 Stainless Steel

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

SPECIAL PURPOSE

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