

# LP

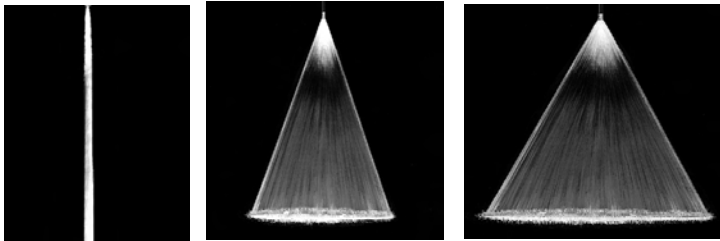
## Low Profile

### 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



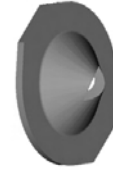
0° Fan

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 0° 30° 60°	K Factor	GALLONS PER MINUTE @ PSI					Equivalent Orifice Dia. (in)
			40 PSI	60 PSI	100 PSI	250 PSI	500 PSI	
LP0041	0°	0.0065	0.041	0.050	0.065	0.103	0.14	0.016
LP0073	0°	0.0116	0.073	0.089	0.12	0.18	0.26	0.024
LP0090	0°	0.0142	0.090	0.11	0.14	0.23	0.32	0.028
LP013	0°	0.0207	0.13	0.16	0.21	0.33	0.46	0.031
LP023	0° 30° 60°	0.0361	0.23	0.28	0.36	0.58	0.81	0.039
LP033	0° 30° 60°	0.0516	0.33	0.40	0.52	0.83	1.17	0.047
LP043	0° 30° 60°	0.0671	0.42	0.51	0.66	1.05	1.48	0.059
LP08	0° 30° 60°	0.127	0.80	0.98	1.26	2.00	2.83	0.079
LP12	0° 30° 60°	0.196	1.24	1.52	1.96	3.10	4.38	0.098
LP20	0° 30° 60°	0.312	1.98	2.42	3.13	4.95	7.00	0.118
LP31	60°	0.497	3.14	3.85	4.96	7.85	11.1	0.157
LP49	60°	0.775	4.90	6.00	7.75	12.3	17.3	0.197
LP78	60°	1.24	7.84	9.60	12.4	19.6	27.7	0.236
LP99	60°	1.56	9.88	12.1	15.6	24.7	34.9	0.276
LP124	60°	1.96	12.4	15.2	19.6	31.0	43.9	0.315

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

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.