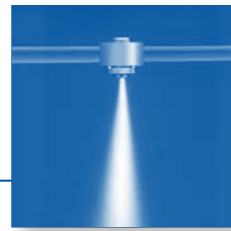




AirMist pneumatic atomizing nozzles

Full cone, pressurized liquid supply, internal mix

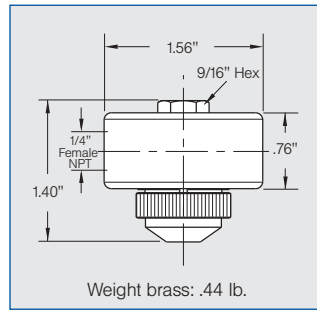
Series 136.1



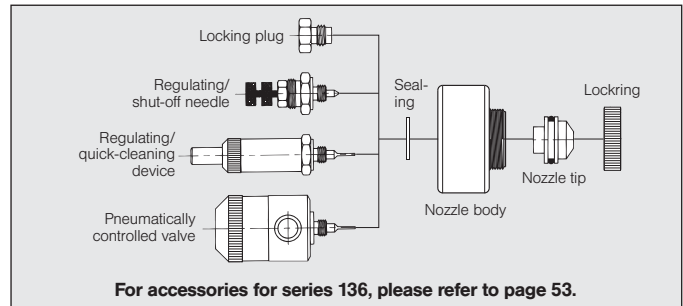
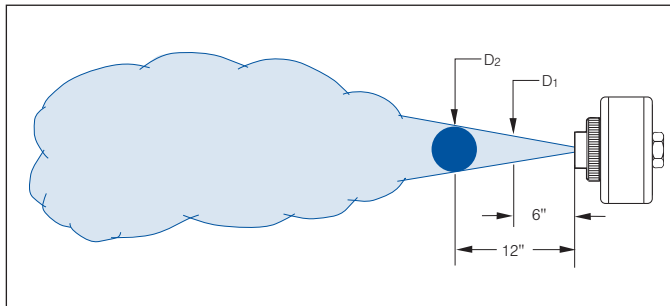
Fine full cone atomization and fogging with air or gas. Liquid pressure principle. Internal mixing of fluids.

Applications:

- Humidification of air
- Cooling



Additional flow rate data available upon request. The body is also available in a rectangular design.



Pneumatic atomizing

| Spray angle | Ordering no. | | Maximum Free Passage (in.) | Liquid Flow GPH (Gallons Per Hour) at Indicated Liquid Pressure Air Flow SCFM (Standard Cubic Feet Per Minute) | | | | | | | | | | | | Spray Dimensions | | | | |
|------------------|------------------|-----------------------------|----------------------------|---|-----|------|---------|-----|------|---------|-----|------|---------|-----|------|------------------|----------|----------|----------|---|
| | Type | Mat. no. | | 10 psi | | | 20 psi | | | 40 psi | | | 60 psi | | | Air psi | Liq. psi | D1 (in.) | D2 (in.) | |
| | | | | Air psi | GPH | SCFM | Air psi | GPH | SCFM | Air psi | GPH | SCFM | Air psi | GPH | SCFM | | | | | |
| | 316L SS 1Y | Brass Nickel Plate 35 | | | | | | | | | | | | | | | | | | |
| 20° | 136. 115. xx. B2 | ○ | ○ | .020 | 6 | 1.6 | .18 | 20 | 1.5 | .47 | 35 | 2.4 | .65 | 44 | 2.9 | .71 | 12 | 10 | 2 | 4 |
| | | | | | 12 | 1.0 | .35 | 26 | 1.1 | .59 | 41 | 2.0 | .71 | 49 | 2.5 | .82 | 26 | 20 | 2 | 4 |
| | | | | | 17 | .45 | .53 | 32 | .58 | .82 | 46 | 1.6 | .88 | 55 | 2.2 | .94 | 38 | 30 | 2 | 4 |
| | | | | | | | | 38 | .32 | 1.0 | 52 | 1.2 | 1.1 | 61 | 1.8 | 1.1 | 46 | 40 | 2 | 4 |
| | | | | | | | | | | | 64 | .53 | 1.5 | 73 | 1.1 | 1.5 | 64 | 60 | 2 | 4 |
| | | | | | | | | | | | 75 | .11 | 1.8 | 84 | .55 | 1.8 | | | | |
| | 136. 125. xx. B2 | ○ | ○ | .020 | 12 | 1.2 | .88 | 17 | 1.8 | 1.1 | 41 | 2.4 | 1.9 | 49 | 2.8 | 2.3 | 20 | 10 | 2 | 4 |
| | | | | | 17 | 1.2 | 1.1 | 23 | 1.7 | 1.3 | 46 | 2.3 | 2.2 | 55 | 2.7 | 2.5 | 32 | 20 | 2 | 4 |
| | | | | | 23 | 1.1 | 1.4 | 29 | 1.6 | 1.5 | 52 | 2.2 | 2.4 | 61 | 2.6 | 2.7 | 41 | 30 | 2 | 4 |
| | | | | | 29 | .92 | 1.5 | 35 | 1.5 | 1.8 | 58 | 2.1 | 2.6 | 73 | 2.5 | 3.2 | 49 | 40 | 2 | 4 |
| | | | | | 35 | .79 | 1.8 | 41 | 1.4 | 2.0 | 64 | 2.0 | 2.8 | 78 | 2.4 | 3.4 | 61 | 60 | 2 | 4 |
| | | | | | 41 | .71 | 1.9 | 46 | 1.3 | 2.2 | 70 | 1.9 | 3.1 | 84 | 2.3 | 3.6 | | | | |
| 136. 134. xx. B2 | ○ | ○ | .028 | 17 | 3.5 | 1.6 | 29 | 5.1 | 2.3 | 44 | 7.5 | 3.1 | 55 | 8.6 | 3.6 | 26 | 10 | 2 | 4 | |
| | | | | 23 | 3.3 | 1.9 | 35 | 4.8 | 2.6 | 49 | 7.3 | 3.4 | 61 | 8.5 | 4.0 | 41 | 20 | 2 | 4 | |
| | | | | 29 | 3.1 | 2.3 | 41 | 4.6 | 2.9 | 55 | 7.1 | 3.7 | 67 | 8.3 | 4.3 | 55 | 30 | 2 | 4 | |
| | | | | 35 | 3.0 | 2.6 | 46 | 4.4 | 3.2 | 61 | 6.8 | 4.0 | 73 | 8.1 | 4.6 | 75 | 40 | 3 | 4 | |
| | | | | 41 | 2.9 | 2.9 | 52 | 4.3 | 3.5 | 67 | 6.6 | 4.3 | 78 | 7.9 | 4.9 | 87 | 60 | 3 | 4 | |
| | | | | 46 | 2.9 | 3.2 | 58 | 4.1 | 3.8 | 73 | 6.4 | 4.6 | 84 | 7.7 | 5.2 | | | | | |
| 136. 142. xx. B2 | ○ | ○ | .098 | 20 | 6.4 | 3.0 | 23 | 14 | 2.8 | 46 | 19 | 4.7 | 55 | 25 | 5.4 | 12 | 10 | 2 | 4 | |
| | | | | 26 | 5.4 | 3.7 | 29 | 11 | 3.5 | 52 | 17 | 5.4 | 61 | 22 | 5.9 | 23 | 20 | 3 | 4 | |
| | | | | 32 | 5.3 | 4.2 | 35 | 9.3 | 4.2 | 58 | 15 | 6.2 | 67 | 20 | 6.7 | 44 | 30 | 2 | 4 | |
| | | | | 38 | 5.1 | 4.8 | 41 | 8.0 | 4.9 | 64 | 13 | 6.9 | 73 | 18 | 7.4 | 58 | 40 | 3 | 4 | |
| | | | | 44 | 4.6 | 5.5 | 46 | 7.6 | 5.6 | 70 | 12 | 7.6 | 78 | 17 | 8.1 | 87 | 60 | 3 | 4 | |
| | | | | 49 | 4.4 | 6.1 | 52 | 7.4 | 6.2 | 75 | 11 | 8.3 | 84 | 15 | 8.8 | | | | | |

Example Type + Material no. (xx) = Ordering no.
for ordering: 136. 115. xx. B2 + 1Y = 136. 115. 1Y. B2

For accessories and spare parts, see page 53 of this section.
 For various configurations to mount your pneumatic air nozzles, see the Lances and Nozzle Headers section beginning on page 137.

