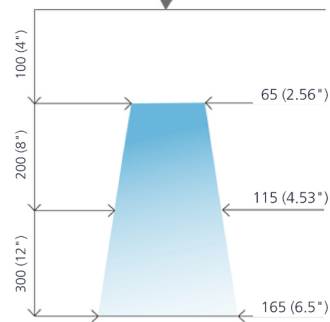




# Silvent Air Nozzles



## Blowing pattern



| PART CODE | Length | Size      |
|-----------|--------|-----------|
| SIL-221-L | 200mm  | 3/8" BSPP |
| SIL-231-L | 300mm  | 3/8" BSPP |
| SIL-241-L | 490mm  | 3/8" BSPP |
| SIL-251-L | 590mm  | 3/8" BSPP |

## Silvent 231 L

SILVENT 221 L - 281 L: allows quick and easy adjustment to the correct blowing angle. Maintains the desired position, even at high pressures. Available in 6 standard lengths. Otherwise, the same performance as 209 L.

Noise reduction

**69%**

Air/cost savings

**43%**

## SPECIFICATIONS

|                        | SI units              | US units         |
|------------------------|-----------------------|------------------|
| Blowing force          | 3.4 N                 | 12.0 oz          |
| Air consumption        | 17 Nm <sup>3</sup> /h | 10.0 scfm        |
| Sound level            | 78 dB(A)              |                  |
| Blowing pattern        | Laval                 |                  |
| Connection             | Ø 9                   | Ø 9              |
| Dimensions             | 384xØ85 mm            | 15.12xØ3.35 inch |
| Material               | Zinc                  |                  |
| Weight                 | 0.873 kg              | 1.925 lbs        |
| Max temp               | 70 °C                 | 158 °F           |
| Max operating pressure | 1.0 MPa               | 143.0 psi        |

### Benefits

|                                       |                       |           |
|---------------------------------------|-----------------------|-----------|
| Replace open pipe                     | 4 mm                  | 5/32 inch |
| Noise reduction [dB(A)]               | 17 dB(A)              | 69 %      |
| Air/cost savings [Nm <sup>3</sup> /h] | 13 Nm <sup>3</sup> /h | 43 scfm   |
| Meet the EU Machine directives        | Yes                   |           |

### Blowing properties at different pressures

| SI units (kPa)                       | 200  | 400  | 600  | 800  | 1000 |
|--------------------------------------|------|------|------|------|------|
| Blowing force (N)                    | 1.4  | 2.7  | 4.0  | 5.3  | 6.8  |
| Air consumption (Nm <sup>3</sup> /h) | 8.5  | 13.8 | 20.1 | 26.4 | 32.2 |
| Sound level (dB(A))                  | 70.0 | 75.5 | 78.7 | 83.0 | 86.0 |
| US units (psi)                       | 40   | 60   | 80   | 100  | 120  |
| Blowing force (oz)                   | 6.9  | 10.1 | 13.0 | 16.3 | 20.0 |
| Air consumption (scfm)               | 6.5  | 8.4  | 11.0 | 13.6 | 16.0 |
| Sound level (dB(A))                  | 72.5 | 75.8 | 78.1 | 81.6 | 84.3 |

### Air cone patterns and velocity distribution

| SI units (mm)       | 50   | 100  | 200  | 300  | 400  | 500   |
|---------------------|------|------|------|------|------|-------|
| Blowing pattern (Ø) | 40   | 65   | 115  | 165  | 215  | 265   |
| Velocity (m/s)      | 253  | 206  | 110  | 79   | 57   | 52    |
| US units (inch)     | 2    | 4    | 8    | 12   | 16   | 20    |
| Blowing pattern (Ø) | 1.57 | 2.56 | 4.53 | 6.50 | 8.46 | 10.43 |
| Velocity (ft/s)     | 830  | 676  | 361  | 259  | 187  | 171   |