



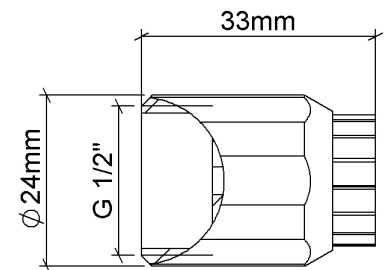
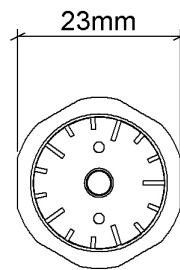
## AIR NOZZLE SILVENT 707 L

Item number: 07070169155, 07070269155

SILVENT 707 L: a stainless steel Laval nozzle. Compressed air is utilized optimally in this nozzle and its introduction constitutes a new dimension in blowing technology. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The central stream of air in the SILVENT 707 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after leaving the nozzle. The protective sheath of air prevents the core stream from being slowed down by the surrounding air and allows it to be utilized at full effect. This hinders the creation of turbulence and thereby lowers the noise level.

### Technical data

|                                      |              |
|--------------------------------------|--------------|
| Replace open pipe Ø (mm)             | 12           |
| Blowing force (N)                    | 21.0         |
| Air consumption (Nm <sup>3</sup> /h) | 120          |
| Sound level (dB(A))                  | 94           |
| Nozzle technology                    | Laval        |
| Material (nozzle)                    | 1.4305 (303) |
| Connection                           | G 1/2"       |
| Connection type                      | Female       |
| Weight (kg)                          | 0.0500       |
| Max temp (°C)                        | 400          |
| Max op. pressure (MPa)               | 1.0          |



### Benefits when replacing an open pipe

|                          |                          |     |
|--------------------------|--------------------------|-----|
| Replace open pipe Ø (mm) | 12                       |     |
| Noise reduction          | 22 [dB(A)]               | 78% |
| Energy savings           | 146 [Nm <sup>3</sup> /h] | 55% |

Material specification: EN 1.4305

### Blowing properties at different pressures

| Pressure (kPa)                       | 200  | 400  | 600   | 800   | 1000  |
|--------------------------------------|------|------|-------|-------|-------|
| Blowing force (N)                    | 9.0  | 16.9 | 25.0  | 33.2  | 40.9  |
| Air consumption (Nm <sup>3</sup> /h) | 60.9 | 99.8 | 139.1 | 176.9 | 219.8 |
| Sound level (dB(A))                  | 87.8 | 92.3 | 95.1  | 97.0  | 98.6  |

### Blowing coverage

| Blowing dist. (mm) | Blowing coverage (mm) |
|--------------------|-----------------------|
| 50                 | 95                    |
| 100                | 140                   |
| 200                | 190                   |
| 300                | 235                   |
| 400                | 280                   |
| 500                | 330                   |