



AIR NOZZLE SILVENT 705 L

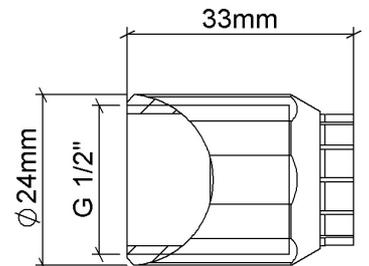
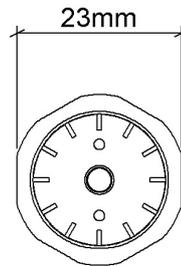
Item number: 07050169154, 07050269154

- **Stainless steel Laval nozzle**

SILVENT 705 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 705 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)	10
Blowing force (N)	17.0
Air consumption (Nm ³ /h)	95
Sound level (dB(A))	93
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Connection type	Female
Weight (g)	51
Max temp (°C)	400
Max op. pressure (MPa)	1.0



Benefits when replacing an open pipe

Replace open pipe Ø (mm)	10	
Noise reduction	19 [dB(A)]	73%
Energy savings	90 [Nm ³ /h]	49%

Material specification: EN 1.4305

Blowing properties at different pressures

Pressure (kPa)	200	400	600	800	1000
Blowing force (N)	6.5	13.1	20.2	27.1	33.9
Air consumption (Nm ³ /h)	43.1	78.0	111.2	145.8	181.1
Sound level (dB(A))	86.0	91.2	94.0	96.1	97.6

Blowing coverage (mm)

