



AIR NOZZLE SILVENT 735 L

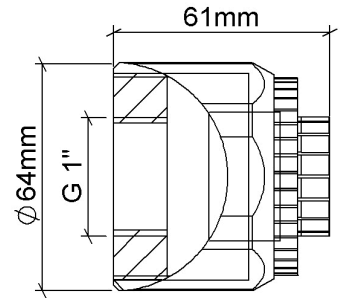
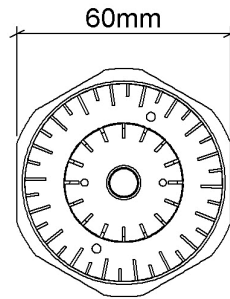
Item number: 07350169078, 07350269078

- **Stainless steel Laval nozzle**

SILVENT 735 L: with 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 film of air moving parallel to the central air jet. The central stream of air in the SILVENT 735 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 it has passed through 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. Turbulence is minimized, thereby lowering the noise level. The entire nozzle is made of stainless steel, making it suitable for use in virtually any environment where extra high blowing forces are required, for example, within the paper and manufacturing industries, steel mills and chemical plants.

Technical data

Replace open pipe Ø (mm)	25
Blowing force (N)	127.0
Air consumption (Nm ³ /h)	768
Sound level (dB(A))	109
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1"
Connection type	Female
Weight (g)	690
Max temp (°C)	400
Max op. pressure (MPa)	1.0



Benefits when replacing an open pipe

Replace open pipe Ø (mm)	25	
Noise reduction	22 [dB(A)]	78%
Energy savings	391 [Nm ³ /h]	34%

Material specification: EN 1.4305

Blowing properties at different pressures

Pressure (kPa)	200	400	600	800	1000
Blowing force (N)	47.0	99.1	155.2	209.6	261.8
Air consumption (Nm ³ /h)	331.0	619.8	908.2	1180.5	1460.0
Sound level (dB(A))	101.1	106.5	110.4	112.2	113.4

Blowing coverage (mm)

