NEW!

SILVENT 712 L

InTech

Stainless steel Laval nozzle

SILVENT 712 L is a stainless steel Laval nozzle that optimally utilizes the compressed air, generating very high and concentrated blowing force. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective film of air moving parallel to the core stream. The core stream of air in the SILVENT 712 L is generated by a Laval nozzle. The shape of the nozzle, in combination with compact and aerodynamic design, converts all of the energy stored in the compressed air into directed concentrated kinetic energy. The surrounding sheath of air protects the core stream and allows it to be utilized at full effect for a longer distance. The shape of the nozzle also reduces turbulence, thereby lowering the noise level. The nozzle is developed for use in industries where extremely high and concentrated impact force is required.

TECHNICAL DATA

Replace open pipe Ø (mm)	16
Blowing force (N)	40.0
Air consumption (Nm^3/h)	228
Sound level (dB(A))	102
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 3/4"
Weight (g)	280
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction* **20 dB(A)**

Energy savings* **246 Nm^3/h**

**Benefits when replacing an open pipe*

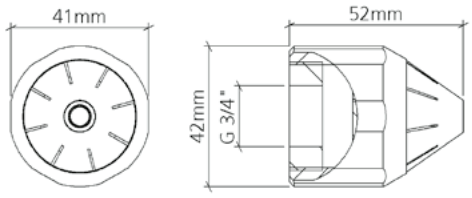
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

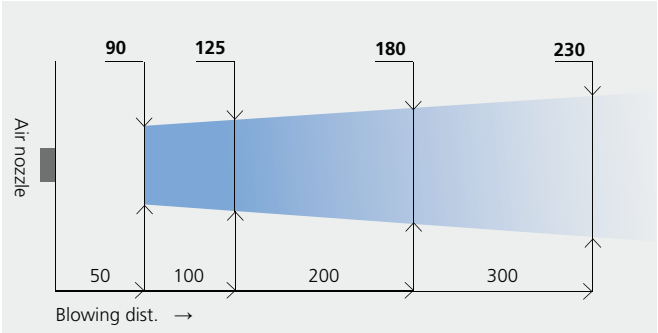
712 L	200	400	600	800	1000
Blowing force (N)	17.0	32.0	47.5	63.0	78.0
Air consumption (Nm^3/h)	120.0	196.0	265.0	337.0	410.0
Sound level (dB(A))	97.0	100.5	103.0	104.5	105.7

For further information, see page 194 or visit silvent.com.

Dimensions



Blowing coverage (mm)



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