STAINLESS STEEL LAVAL NOZZLE

1011

Silvent 1011 is a stainless steel Laval nozzle. A concentrated jet of air traveling at supersonic speed is created through the Laval hole in the center of the nozzle. Around the Laval hole there are a number of diverging slots that generate a powerful, quiet and laminar air stream. This combination utilizes the compressed air optimally. The noise level is cut in half and air consumption is reduced drastically, while efficiency is maintained in comparison with "open pipe blowing".
The nozzle and the surrounding fins prevent dead end pressure from exceeding 210 kPa (30 psi) in direct contact with skin. This nozzle can be produced in special lengths upon request. Patented.
Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

REPLACE OPEN PIPE OF DIAMETERS:

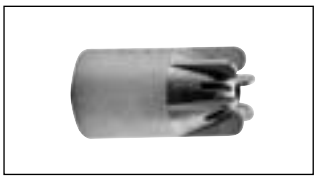
3 - 5 mm

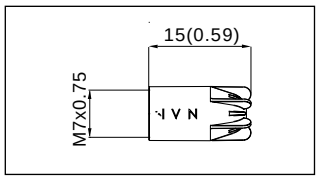
1/8" - 3/16"

BENEFITS

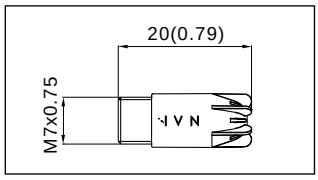
Noise reduction	**– 10 - 17 dB(A)**
Air consumption reduction	**– 15 - 45 %**
Safety nozzle	**– Meets OSHA standards**

ALTERNATIVE NOZZLES



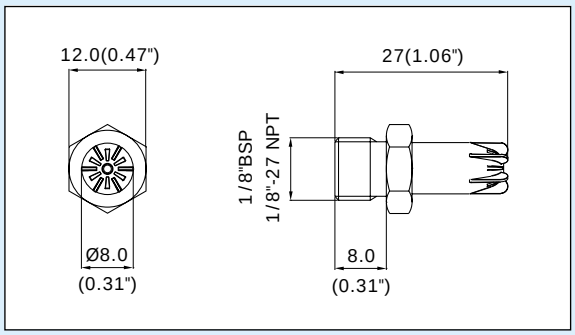


Silvent 1001 has M7x0.75 female connection thread. In other respects it is identical to the 1011.

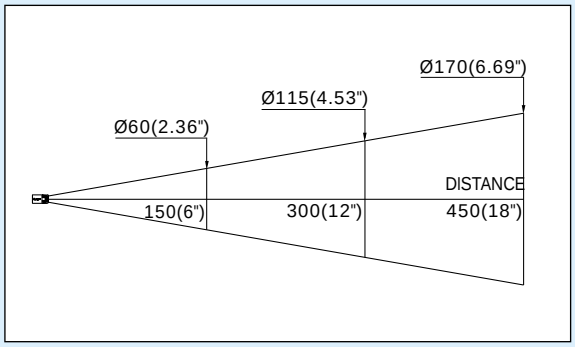


Silvent 1003 has M7x0.75 male connection thread. In other respects it is identical to the 1011.

DIMENSIONS



AIR CONE PATTERN



PRODUCT INFORMATION

ORDER NO./MODEL		1011
Replaces open pipe	mm	5
	"	3/16"
Air consumption	Nm^3/h	26
	scfm	15.3
Sound level	dB(A)	84
Blowing force	N	4.4
	oz	15.5
Max. temp.	°C	-20/+400
	°F	-4/+752
Weight	g	8
	lbs	0.018
Nozzle material		Stainless steel

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)