



SILVENT 1011

SILVENT 1011: stainless steel Laval nozzle with 1/8" male thread. The Laval hole in the center creates a concentrated, supersonic jet of air. Surrounding the hole there are a number of diverging slots that generate a powerful, quiet and laminar air stream. This combination utilizes compressed air optimally. Halves the noise level and reduces air consumption dramatically, while maintaining the force of "open pipe blowing". The nozzle and the surrounding fins prevent dead end static pressure from exceeding 210 kPa (30 psi). Fully complies with EU Machine Directive noise limitations and OSHA safety regulations. Patented.

Noise reduction

65% Air/cost savings

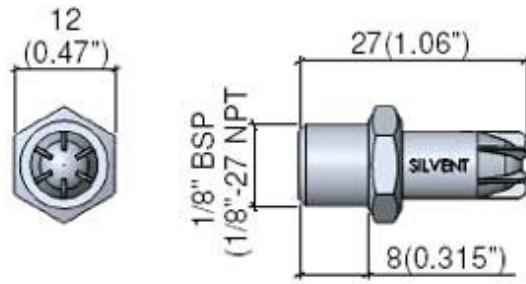
45%

SPECIFICATIONS

	SI units	US units
Blowing force	4.4 N	15.5 oz
Air consumption	26 Nm ³ /h	15.3 scfm
Sound level	84 dB(A)	
Blowing pattern	Laval	
Connection	G 1/8"	1/8" -27 NPT
Connection type	Male	
Dimensions	⌀ 12x27 mm	⌀ 0.47x1.06 inch
Material	Stainless steel	
Weight	0.008 kg	0.018 lbs
Max temp	400 °C	752 °F
Max operating pressure	1.0 MPa	143.0 psi

Benefits

Replace open pipe	5 mm	3/16 inch
Noise reduction [dB(A)]	15 dB(A)	65 %
Air/cost savings [Nm ³ /h]	21 Nm ³ /h	45 scfm
OSHA	Yes	
Meet the EU Machine directives	Yes	



Blowing properties at different pressures

SI units (kPa)	200	400	600	800	1000
Blowing force (N)	1.9	3.6	5.3	6.9	8.5
Air consumption (Nm ³ /h)	13.0	22.1	30.9	40.0	48.3
Sound level (dB(A))	74.0	81.2	85.5	88.6	90.7
US units (psi)	40	60	80	100	120
Blowing force (oz)	9.1	13.2	17.2	21.3	25.3
Air consumption (scfm)	9.8	13.5	17.1	20.8	24.4
Sound level (dB(A))	77.5	81.7	84.7	87.1	89.0

Air cone patterns and velocity distribution

SI units (mm)	50	100	200	300	400	500
Blowing pattern (∅)	24	38	80	114	156	194
Velocity (m/s)	244	197	109	79	57	52
US units (inch)	2	4	8	12	16	20
Blowing pattern (∅)	0.94	1.50	3.15	4.49	6.14	7.64
Velocity (ft/s)	801	646	358	259	187	171

