



Silvent 209 L

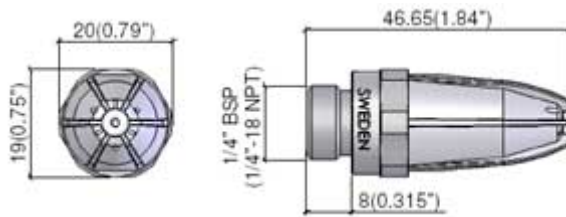
SILVENT 209 L is part of a new generation of patented Laval nozzles. It is a refinement of Silvent's 208 and 209 nozzle series and represents an entirely new phase in blowing technology. The effect is achieved by surrounding a core jet moving at supersonic speed with a protective sheath of air running parallel to the direction of the central stream. There is a mix of divergent slots and holes around the Laval orifice that generates a quiet, powerful and laminar air flow. This nozzle provides extremely efficient blowing that utilizes your compressed air optimally. Fully complies with OSHA safety standards and the noise limitations of the EU Machine Directive.

SPECIFICATIONS

	SI units	US units
Blowing force	3.4 N	12.0 oz
Air consumption	17 Nm ³ /h	10.0 scfm
Sound level	78 dB(A)	
Blowing pattern	Laval	
Connection	G 1/4"	1/4"-18 NPT
Connection type	Male	
Dimensions	Ø 19x44 mm	Ø 0.75x1.73 inch
Material	Zinc	
Weight	0.049 kg	0.108 lbs
Max temp	70 °C	158 °F
Max operating pressure	1.0 MPa	143.0 psi

Benefits

Replace open pipe	4 mm	5/32 inch
Noise reduction [dB(A)]	17 dB(A)	69 %
Air/cost savings [Nm ³ /h]	13 Nm ³ /h	43 %
Meet the EU Machine directives	Yes	



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Hi,
We are happy to help if you have any questions?

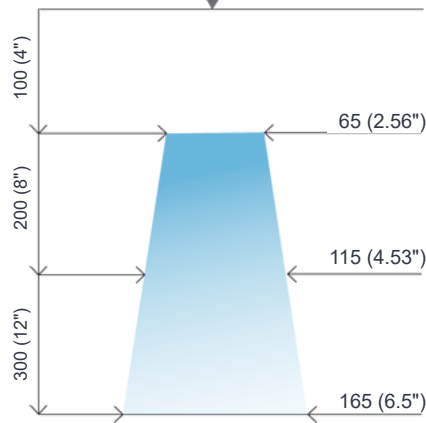


Blowing properties at different pressures

SI units (kPa)	200	400	600	800	1000
Blowing force (N)	1.4	2.7	4.0	5.3	6.8
Air consumption (Nm ³ /h)	8.5	13.8	20.1	26.4	32.2
Sound level (dB(A))	70.0	75.5	78.7	83.0	86.0
US units (psi)	40	60	80	100	120
Blowing force (oz)	6.9	10.1	13.0	16.3	20.0
Air consumption (scfm)	6.5	8.4	11.0	13.6	16.0
Sound level (dB(A))	72.5	75.8	78.1	81.6	84.3

Air cone patterns and velocity distribution

SI units (mm)	50	100	200	300	400	500
Blowing pattern (ø)	40	65	115	165	215	265
Velocity (m/s)	253	206	110	79	57	52
US units (inch)	2	4	8	12	16	20
Blowing pattern (ø)	1.57	2.56	4.53	6.50	8.46	10.43
Velocity (ft/s)	830	676	361	259	187	171

Blowing pattern

Silvent helps manufacturers with energy optimization and improved working environments. The headquarters is in Sweden where all research and development are done. The company has unique expertise in the area of compressed air dynamics. Silvent's air guns, air knives, air nozzles, silencers and customized solutions for blowing with compressed air are used by leading manufacturers, in over 90 countries. Silvent is part of Lifco Group that is listed on Nasdaq Stockholm.



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