




## SILVENT 2005

SILVENT 2005: an aluminum nozzle with aerodynamic slots. Produces a strong, quiet and effective air stream. The blowing force is approx. 5 times that of SILVENT's 209 and 511 nozzles. Despite its powerful force, both the sound level and energy consumption are low in comparison with 10 mm (3/8") open pipe blowing. Fully complies with EU Machine Directive noise limitations and OSHA safety regulations. Patented.

Noise reduction

**71%** Air/cost savings

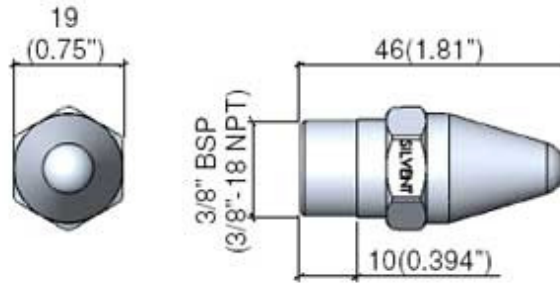
**47%**

### SPECIFICATIONS

	SI units	US units
Blowing force	14.5 N	3.2 lbs
Air consumption	98 Nm <sup>3</sup> /h	57.7 scfm
Sound level	93.5 dB(A)	
Blowing pattern	Wide	
Connection	G 3/8"	3/8" -18 NPT
Connection type	Male	
Dimensions	Ø 19x46 mm	Ø 0.75x1.81 inch
Material	Aluminum	
Weight	0.012 kg	0.026 lbs
Max temp	150 °C	302 °F
Max operating pressure	1.0 MPa	143.0 psi

### Benefits

Replace open pipe	10 mm	3/8 inch
Noise reduction [dB(A)]	18 dB(A)	71 %
Air/cost savings [Nm <sup>3</sup> /h]	87 Nm <sup>3</sup> /h	47 scfm
OSHA	Yes	
Meet the EU Machine directives	Yes	



**Blowing properties at different pressures**

<b>SI units (kPa)</b>	<b>200</b>	<b>400</b>	<b>600</b>	<b>800</b>	<b>1000</b>
Blowing force (N)	6.6	12.2	17.8	23.4	29.0
Air consumption (Nm <sup>3</sup> /h)	48.5	81.1	114.0	146.8	179.6
Sound level (dB(A))	82.8	90.0	94.4	97.4	99.3
<b>US units (psi)</b>	<b>40</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
Blowing force (oz)	31.2	45.0	58.8	72.6	86.5
Air consumption (scfm)	36.3	49.8	63.2	76.7	90.3
Sound level (dB(A))	86.3	90.5	93.5	95.8	97.7

**Air cone patterns and velocity distribution**

<b>SI units (mm)</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>300</b>	<b>400</b>	<b>500</b>
Blowing pattern (∅)	82	108	162	215	268	321
Velocity (m/s)	127	107	58	45	39	36
<b>US units (inch)</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>16</b>	<b>20</b>
Blowing pattern (∅)	3.23	4.25	6.38	8.46	10.55	12.64
Velocity (ft/s)	417	351	190	147	128	118

