



## SILVENT 921

SILVENT 921: flat nozzle that generates a broad and efficient blowing pattern. Outstanding for use wherever a wide but thin striking surface is required. Flat nozzles are suitable for most areas of application, such as: drying, transporting, cooling, cleaning etc. Often used in manifold systems, providing silent and highly efficient air knives. Made of zinc with 1/8" male connection thread. The exhaust ports are protected from external forces by fins. Fully complies with EU Machine Directive noise limitations and OSHA safety regulations. Patented.

Noise reduction

**65%**

Air/cost savings

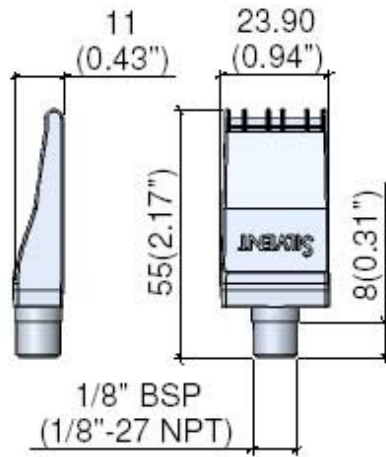
**43%**

### SPECIFICATIONS

	SI units	US units
Blowing force	3.0 N	10.6 oz
Air consumption	17 Nm <sup>3</sup> /h	10.0 scfm
Sound level	80 dB(A)	
Blowing pattern	Flat	
Connection	G 1/8"	1/8" -27 NPT
Connection type	Male	
Dimensions	23.9x11x55 mm	0.94x0.43x2.17 inch
Material	Zinc	
Weight	0.038 kg	0.084 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)]	15 dB(A)	65 %
Air/cost savings [Nm <sup>3</sup> /h]	13 Nm <sup>3</sup> /h	43 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)	1.2	2.4	3.6	4.8	6.0
Air consumption (Nm <sup>3</sup> /h)	7.9	13.5	19.8	25.8	31.8
Sound level (dB(A))	69.2	76.4	80.8	83.5	85.7
<b>US units (psi)</b>	<b>40</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
Blowing force (oz)	5.9	8.9	11.8	14.8	17.8
Air consumption (scfm)	6.0	8.5	10.9	13.4	15.9
Sound level (dB(A))	72.7	76.9	79.8	82.1	84.1

### 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 (width)	63	82	120	160	200	240
Blowing pattern (height)	30	50	90	130	170	210
Velocity (m/s)	122	100	57	40	36	33
<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 (width)	2.48	3.23	4.72	6.30	7.87	9.45
Blowing pattern (height)	1.18	1.97	3.54	5.12	6.69	8.27
Velocity (ft/s)	400	328	187	131	118	108

