

Noise Reduction Round Compressed Air Nozzles



Noise Reduction Round Compressed Air Nozzles have the following features:

- It's specially made entirely of stainless steel with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise to minimum.
- Only 1/4" male thread size is available
- Noise Reduction Round Compressed Air Nozzles can help reduce operating costs and noise, improve worker safety and provide more precise, repeatable drying and blow-off.
- Noise Reduction Round Compressed Air Nozzles use 30% to 50% less air than open pipe with perceived noise reductions ranging from 60% to 75%
- Max pressure for Noise Reduction Round Compressed Air Nozzles is 30 bar
- Max operating temperature is 250°C
- General Application :

In Steel mill

Used in Stringent hygienic requirements of the food processing industry

Drying

Cooling

Blow-off and moving materials

Noise reduction: **67%**

Air/cost savings: **38%**

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SPECIFICATIONS

	SI units	US units
Blowing force	9.6 N	2.1 lbs
Air consumption	57 Nm ³ /h	33.5 scfm
Sound level	89 dB(A)	
Blowing pattern	Wide	
Connection	G 1/2"	1/2"-14 NPT
Connection type	Female	
Dimensions	∅ 23x33 mm	∅ 0.91x1.30 inch
Material	Stainless steel	
Weight	0.054 kg	0.119 lbs
Max temp	400 °C	752 °F
Max operating pressure	1.0 MPa	143.0 psi

Benefits

Replace open pipe	7 mm	9/32 inch
Noise reduction [dB(A)]	16 dB(A)	67 %
Air/cost savings [Nm ³ /h]	35 Nm ³ /h	38 %
Meet the EU Machine directives	Yes	

Blowing properties at different pressures

SI units (kPa)	200	400	600	800	1000
Blowing force (N)	4.1	7.8	11.8	15.3	19.1
Air consumption (Nm ³ /h)	29.8	49.5	71.5	90.2	106.1
Sound level (dB(A))	83.0	87.0	90.8	93.0	94.6
US units (psi)	40	60	80	100	120
Blowing force (oz)	19.6	28.4	37.8	47.1	56.0
Air consumption (scfm)	21.1	29.5	38.0	47.1	54.8
Sound level (dB(A))	84.9	88.0	90.2	91.9	92.3

Air cone patterns and velocity distribution

SI units (mm)	50	100	200	300	400	500
Blowing pattern (∅)	95	140	190	235	280	330
Velocity (m/s)	116	96	54	40	36	33
US units (inch)	2	4	8	12	16	20
Blowing pattern (∅)	3.74	5.51	7.48	9.25	11.02	12.99
Velocity (ft/s)	381	315	177	131	118	108

