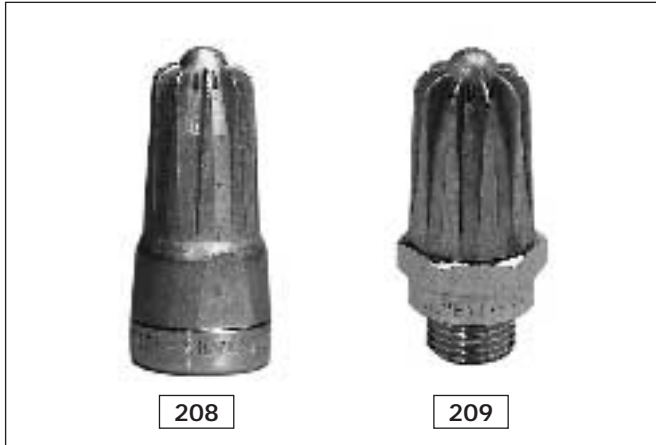


HOLE NOZZLES FOR FIXED INSTALLATION



REPLACE OPEN PIPE OF DIAMETERS:



3 - 4 mm

1/8"

BENEFITS

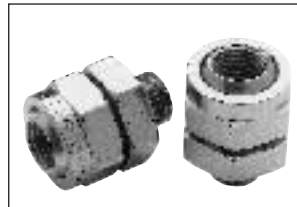
Reduces the noise level 14 - 18 dB(A)

Decreases air consumption 23 - 36 %

Safety nozzle Meets OSHA standards

ACCESSORY

ADJUSTABLE SWIVEL JOINT

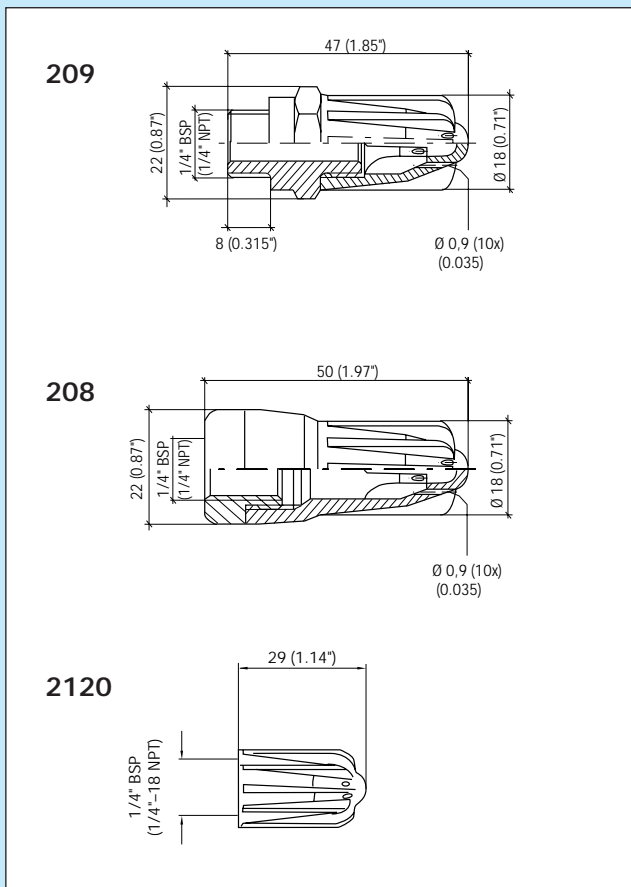


An adjustable swivel joint for setting the direction of the air cone. The joint enables easy fine tuning of the blowing angle without affecting other fixed equipment. Correct adjustment of the blowing angle results in a lower noise level and increased efficiency.

The Silvent 208 and 209 are nozzles that are used in most types of applications. The 208 has female thread and the 209 has male thread. These nozzles are among Silvent's most popular nozzles and are today installed in thousands of different applications - applications where the noise level has been cut in half and energy consumption drastically reduced. The protective flanges prevent direct contact between the skin and the exhaust ports. With this design, the nozzle fulfills the OSHA requirements of a dead-end static pressure of 210 kPa (30 psi). Patented.

Further information in: Accessories.

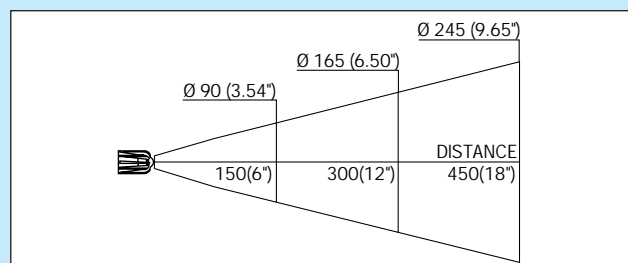
DIMENSIONS



PRODUCT INFORMATION

ORDER NO./ MODEL		208	209
Replaces open pipe	mm	4	4
	"	1/8	1/8
Air consumption	Nm ³ /h	19	19
	scfm	11.2	11.2
Sound level	dB(A)	80	80
	N	3.5	3.5
Blowing force	oz	12.4	12.4
	°C	-20/+70	-20/+70
Max. temp.	°F	-4/+158	-4/+158
	g	40	48
Weight	lbs	0.088	0.105
	Nozzle material	Zinc	

AIR CONE PATTERN



Further information in: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

APPLICATIONS



Suzuki Motors in Japan uses the 209 for blow-off and drying of engine parts. The company has dramatically lowered their noise level and energy consumption by using Silvent's nozzles.



The picture shows an application where Silvent's 216 nozzles are used to dry camshafts. At each drying station approx. 50 nozzles are used to efficiently blow the camshafts dry of water.



The picture shows a washing and degreasing machine with a manifold of 209 nozzles. Silvent 209 nozzles dry the parts after the cleaning process.



The picture shows how an air bar with Silvent 209 nozzles dries sheet metal at a steel mill in the USA. Previously flattened open pipe was used. The noise level has been halved and thanks to Silvent's low air consumption, the cost of the installation was covered within 3 months.

ALTERNATIVE NOZZLES



Nozzle 209-S1 is a 209 nozzle with a slot in the middle of the hole arrangement. The slot is 1 mm (0.039") wide and 4.5 mm (0.18") long. The nozzle generates a powerful and concentrated air stream. Sound level: 89 dB(A), Blowing force: 5N, Air consumption: 24 Nm³/h. Other performance and dimensions equivalent to the 209. Material: zinc. Connection thread: 1/4" male. Warning! the Silvent 209-S1 does not fulfill OSHA safety regulations.



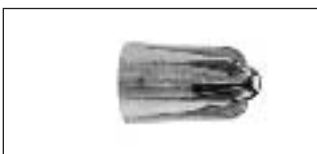
Nozzle 210 and 211 are manufactured in aluminum and are capable of withstanding a higher ambient temperature than zinc. Other performance and dimensions equivalent to the 208 and 209. The 210 has 1/4" female thread and the 211 has 1/4" male thread.



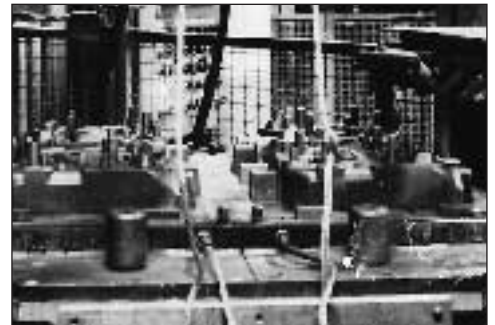
Nozzle 215 and 216 are manufactured in aluminum and are surface treated with chemical nickel to handle tough environments. Other performance and dimensions equivalent to the 208 and 209. The 215 has 1/4" female thread and the 216 has 1/4" male thread.



Nozzle 217 and 218 are manufactured in zinc and are coated with Rilsan plastic. Rilsan gives a softer contact surface and protects sensitive products from scratching and impact. Other performance and dimensions equivalent to the 208 and 209. The 217 has 1/4" female thread and the 218 has 1/4" male thread.



Nozzle 2120 is fitted onto many of Silvent standard products. The nozzle is used both as a spare part nozzle and in applications where clearance is limited. Material: zinc. Connection thread: 1/4" BSP female. Other performance and dimensions equivalent to the 208 and 209.

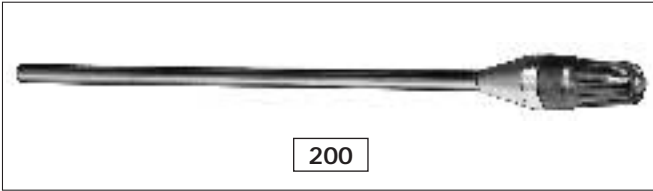


Blow-off of complex casting molds at Volvo.



Drying transport crates with Silvent nozzles in an industrial washing machine.

BENDABLE COPPER PIPE WITH NOZZLE



REPLACE OPEN PIPE OF DIAMETERS:



3 - 4 mm

1/8"

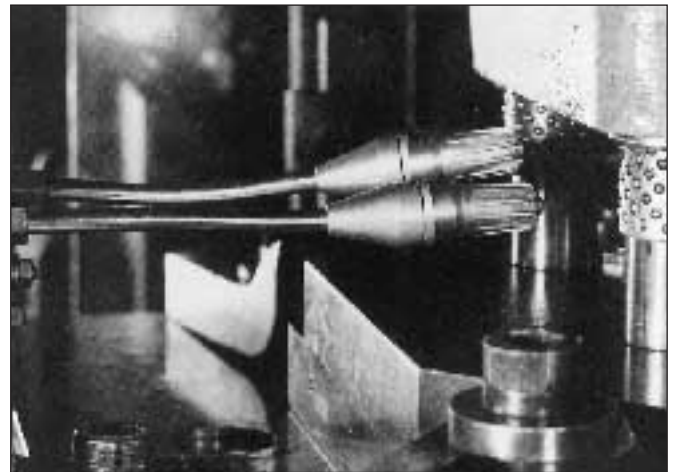
By mounting an Silvent nozzle on a bendable copper pipe you can make an exact stationary installation quickly and easily. The pipe can be attached to the supply line using either a ferrule ring coupling or a hose pressed onto the \varnothing 8 mm pipe and secured with a hose clamp. Meets OSHA safety regulations. Patented.

BENEFITS

Reduces the noise level	14 - 17 dB(A)
Decreases air consumption	23 - 36 %
Safety nozzle	Meets OSHA standards

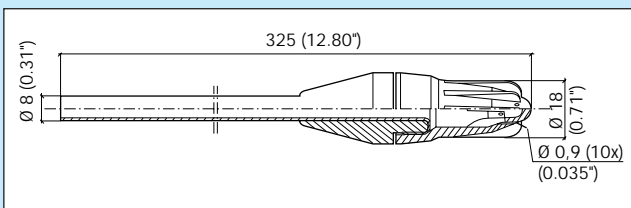


An installation used to blow away remnants of chocolate when filling

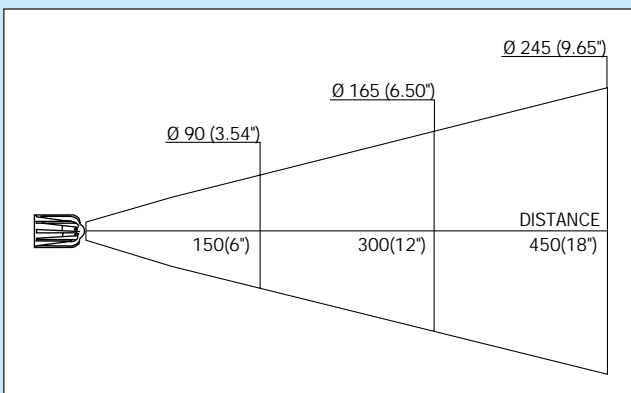


Silvent 200 installed to eject parts from a punch press.

DIMENSIONS



AIR CONE PATTERN



PRODUCT INFORMATION

ORDER NO./ MODEL	200	
Replaces open pipe	mm	4
	"	1/8
Air consumption	Nm ³ /h	19
	scfm	11.2
Sound level	dB(A)	80
	N	3.5
Blowing force	oz	12.4
	°C	-20 / +70
Max. temp.	°F	-4 / +158
	Weight	g
lbs		0.18
Nozzle material	Zinc	

Further information in: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)