NOZZLE SERIES IN STAINLESS STEEL

701 703 705 710 720

REPLACE OPEN PIPE OF DIAMETERS:

4 - 20 mm

1/8" - 3/4"

BENEFITS

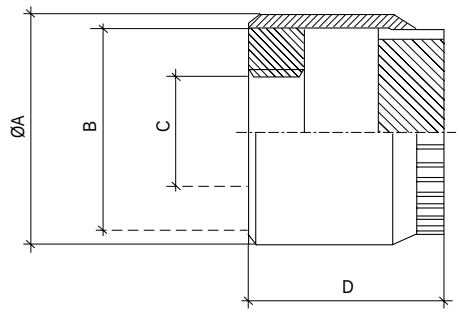
Reduces the noise level	**14 - 17 dB(A)**
Decreases air consumption	**22 - 43 %**
Safety nozzle	**Meets OSHA standards**

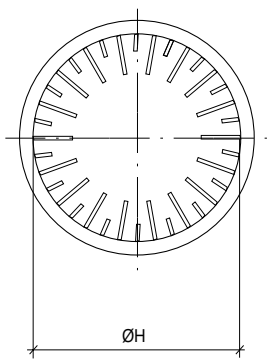
The 700 series of blowing nozzles is specially manufactured entirely in stainless steel. This nozzle series features aerodynamic slots to achieve optimal utilization of the compressed air while, at the same time, keeping the noise level to a minimum. The high ambient temperatures of a glass works, the extremely high blowing forces used in a steel mill, or the stringent hygienic requirements of the food processing industry - these are examples of the types of applications where the 700 series may be the logical choice.

To be able to offer the shortest possible delivery times, certain sizes are available from stock ready for delivery. Blowing forces equivalent to 1, 3, 5, 10, and 20 Silvent 209s are available for immediate delivery. (The blowing force of a Silvent 209 is 3.5N). Terms for other sizes are available upon request.

Patented. Meets OSHA safety regulations.

DIMENSIONS





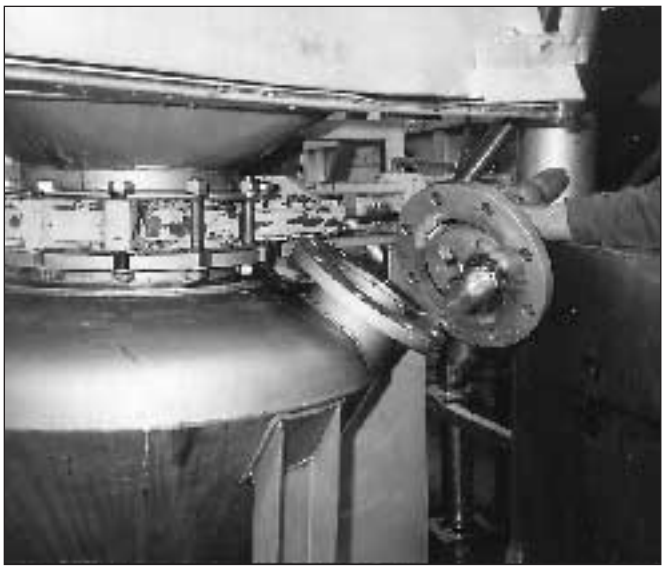
PRODUCT INFORMATION

ORDER NO./ MODEL		701	703	705	710	720
Ø A	mm	25	25	25	40	63
	"	0.98	0.98	0.98	1.57	2.48
B	BSP	1/2"	1/2"	1/2"	M36x1.5	M58x2
	NPT	1/2"-14	1/2"-14	1/2"-14	M36x1.5	M58x2
C	BSP	–	–	–	3/4"	1"
	NPT	–	–	–	3/4"-14	1"-11 1/2
D	mm	29	29	29	42	52
	"	1.14	1.14	1.14	1.65	2.05
Ø H	mm	19	19	19	34	56
	"	0.75	0.75	0.75	1.34	2.20

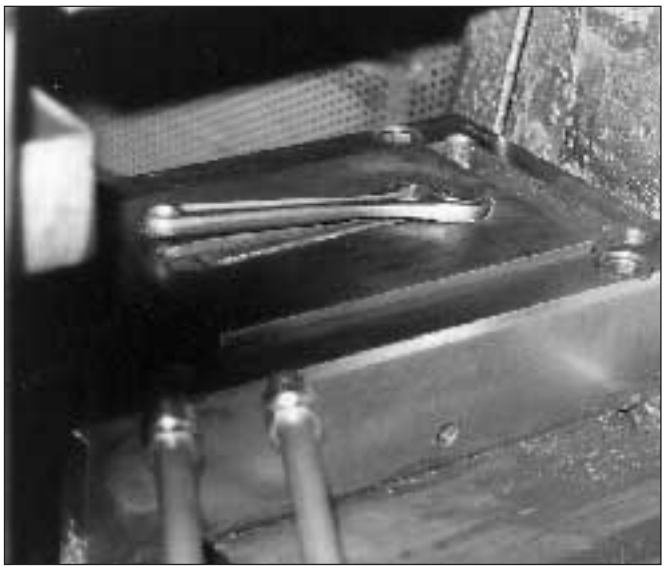
Replaces open pipe	mm	4	7	10	14	20
	"	1/8	9/32	3/8	5/8	3/4
Air consumption	Nm^3/h	21	57	95	216	420
	scfm	12.4	33.6	55.9	127.2	247.4
Sound level	dB(A)	82	89	92	99	104
Blowing force	N	3.2	9.6	15.0	30.0	68.0
	oz	11.3	33.9	52.9	105.9	240.0
Max. temp.	°C	-20/+400	-20/+400	-20/+400	-20/+400	-20/+400
	°F	-4/+752	-4/+752	-4/+752	-4/+752	-4/+752
Weight	g	50	50	50	205	700
	lbs	0.11	0.11	0.11	0.465	1.54
Nozzle material	Stainless steel					

IMPACT RM Tel:450 424-1385 Fax:450 424-6623 Internet: http://www.impactrm.com E-mail: info@impactrm.com

APPLICATIONS

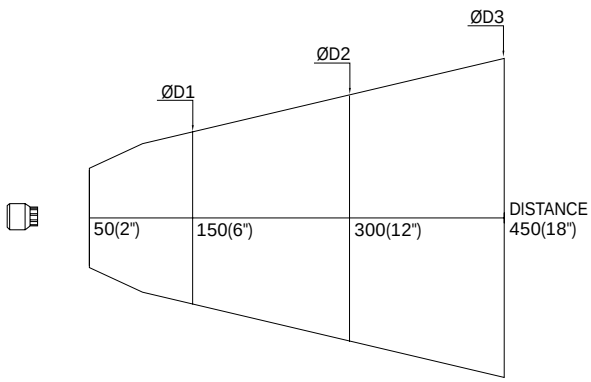


In this application Silvent's largest nozzle, the 720, blows a filet machine free of fish scraps. The Silvent installation replaced an open pipe that generated a noise level of 102 dB(A). The 720 has lowered the noise level to 79 dB (A) and provides a blowing force that is more than sufficient.



THE MANUFACTURING INDUSTRY. Sandvik Bahco uses 2 Silvent 705s to lift a 1 kilo crescent wrench off the die of a press. Previously 10 mm open pipe was used. By installing Silvent nozzles the noise level has been halved and, at the same time, air consumption has been reduced by 49%. At a degree of utilization of 40%, that means a cost savings of more than 850 USD per year.

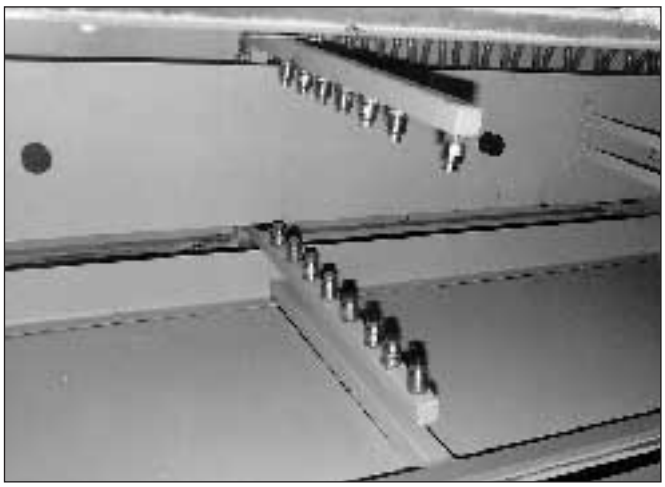
AIR CONE PATTERN



ORDER NO./ MODEL	Ø D1		Ø D2		Ø D3	
	mm	"	mm	"	mm	"
701	165	6.49	235	9.25	305	12.01
703	165	6.49	235	9.25	305	12.01
705	165	6.49	235	9.25	305	12.01
710	220	8.66	280	11.02	345	13.58
720	290	11.42	370	14.57	455	17.91

Further information in: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)



In Kitzingen, Fehrer has built a number of manifold constructions using Silvent's stainless steel 700 series nozzles. The company is an important supplier of parts to the German automotive industry. Each part is blown clean in order to ensure the highest level of quality on every part they deliver.

ADJUSTABLE NOZZLES OF STAINLESS STEEL

REPLACE OPEN PIPE OF DIAMETERS:

4 - 20 mm

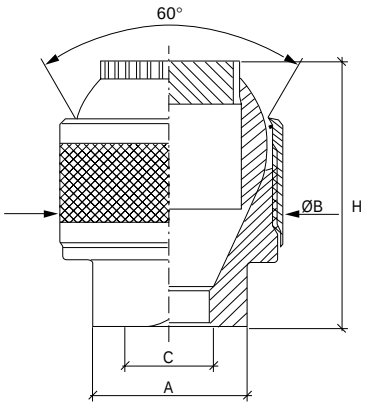
1/8" - 3/4"

BENEFITS

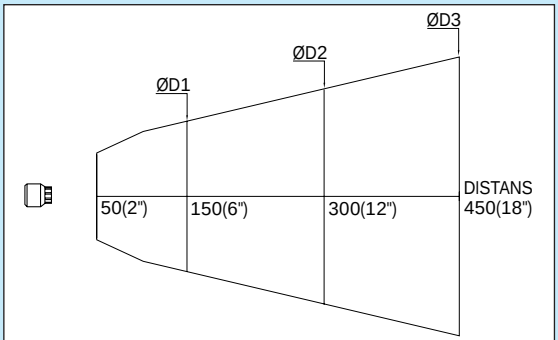
Reduces the noise level	**14 - 17 dB(A)**
Decreases air consumption	**22 - 43 %**
Safety nozzle	**Meets OSHA standards**

The Silvent 700A series is an adjustable variation of the 700 series. The adjustable blowing angle function allows the angle to be changed a maximum of 30° off the center line. The time required for installation and fine tuning of the correct blowing angle is shortened considerably as no fixed air lines are affected when resetting. Readjustment of the blowing angle is often necessary in machines where the manufacturing process is the same but the parts being produced change. Typical applications are: production in steel mills, sorting installations, or ejection from punch presses. The nozzle meets OSHA safety regulations. Patented.

DIMENSIONS



AIR CONE PATTERN



ORDER NO./ MODEL	D1		D2		D3	
	mm	"	mm	"	mm	"
701A	165	6.49	235	9.25	305	12.01
703A	165	6.49	235	9.25	305	12.01
705A	165	6.49	235	9.25	305	12.01
710A	220	8.66	280	11.02	345	13.58
720A	290	11.42	370	14.57	455	17.91

PRODUCT INFORMATION

ORDER NO./ MODEL		701A	703A	705A	710A	720A
A	mm	41	41	41	50	60
	"	1.61	1.61	1.61	1.97	2.36
Ø B	mm	40	40	40	62	86
	"	1.58	1.58	1.58	2.44	3.39
C	BSP	1/2"	1/2"	1/2"	3/4"	1"
	NPT	1/2"-14	1/2"-14	1/2"-14	3/4"-14	1"-11 1/2
H	mm	73	73	73	86	112
	"	2.87	2.87	2.87	3.39	4.41

Replaces open pipe	mm	4	7	10	14	20
	"	1/8	1/4	3/8	5/8	3/4
Air consumption	Nm^3/h	21	57	95	216	420
	scfm	12.4	33.6	56.0	127.2	247.4
Sound level	dB(A)	82	89	92	99	104
Blowing force	N	3.2	9.6	15.0	30.0	68.0
	oz	11.3	33.9	52.9	105.9	240.0
Max. temp.	°C	-20/+400	-20/+400	-20/+400	-20/+400	-20/+400
	°F	-4/+752	-4/+752	-4/+752	-4/+752	-4/+752
Weight	g	430	430	430	930	2280
	lbs	0.95	0.95	0.95	2.04	5.01
Nozzle material	Stainless steel					

Further information in: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

IMPACT RM Tel:450 424-1385 Fax:450 424-6623 Internet: http://www.impactrm.com E-mail: info@impactrm.com