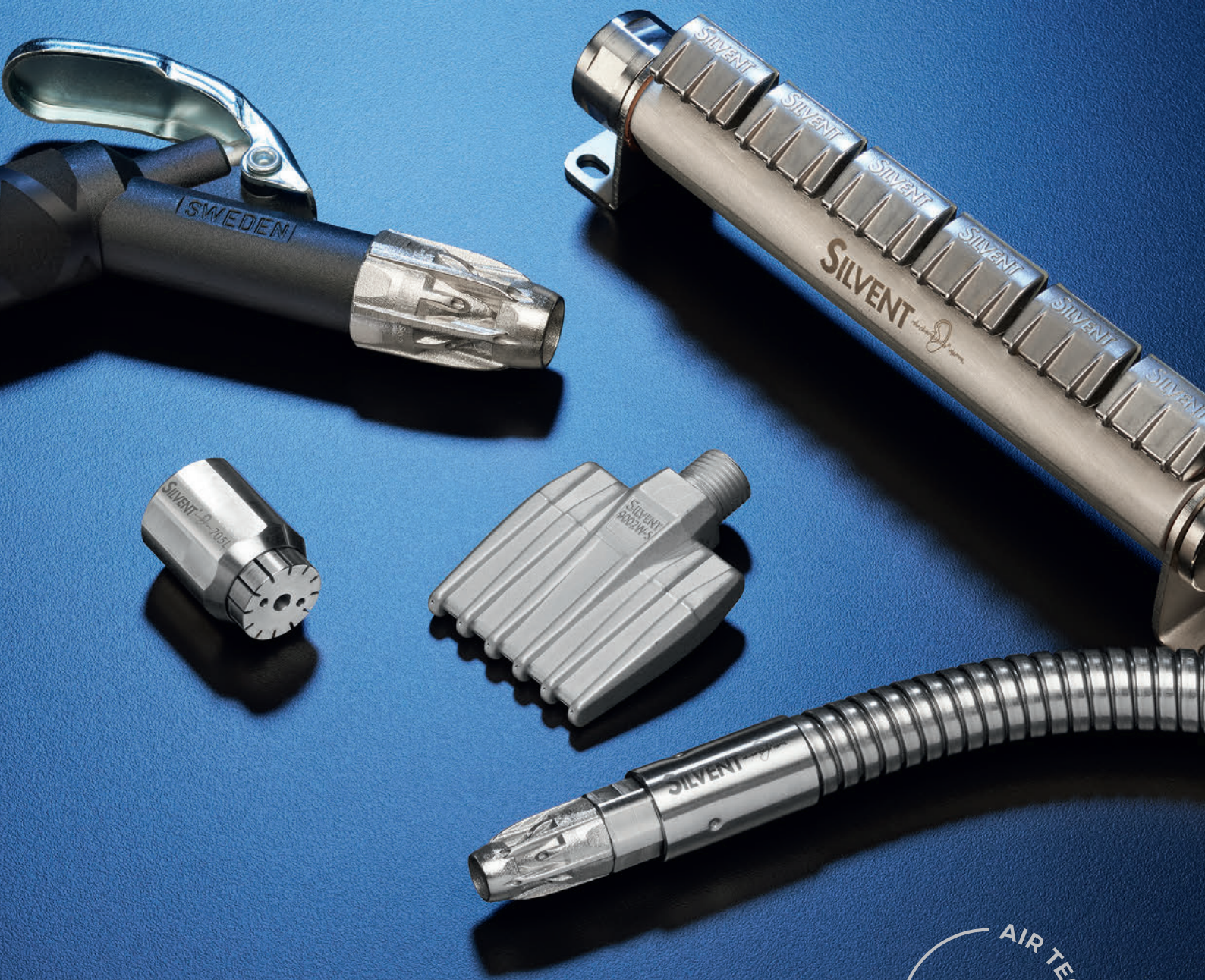
SILVENT



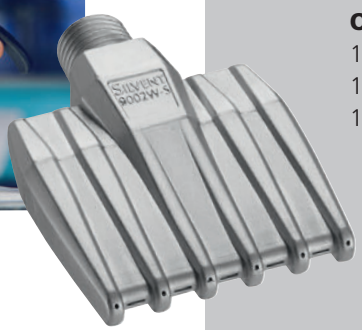
AIR TECHNOLOGY SINCE 1989

Unique products. Unique knowledge.

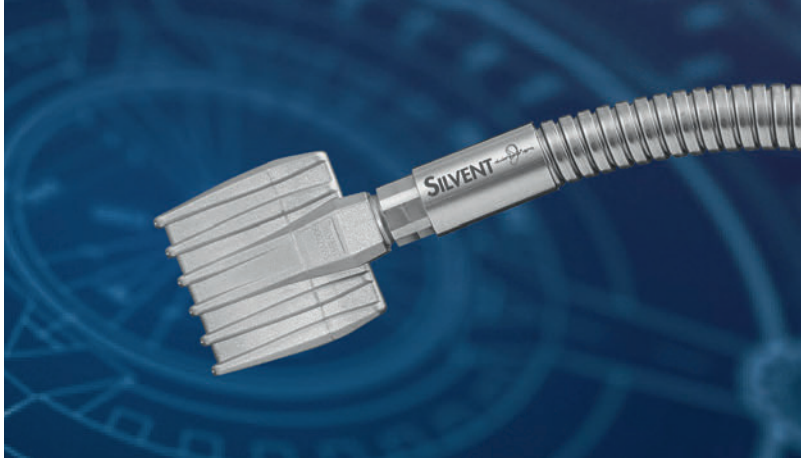
Silvent helps manufacturing companies optimise energy consumption and improve the work environment.

Ready to invest in your production?

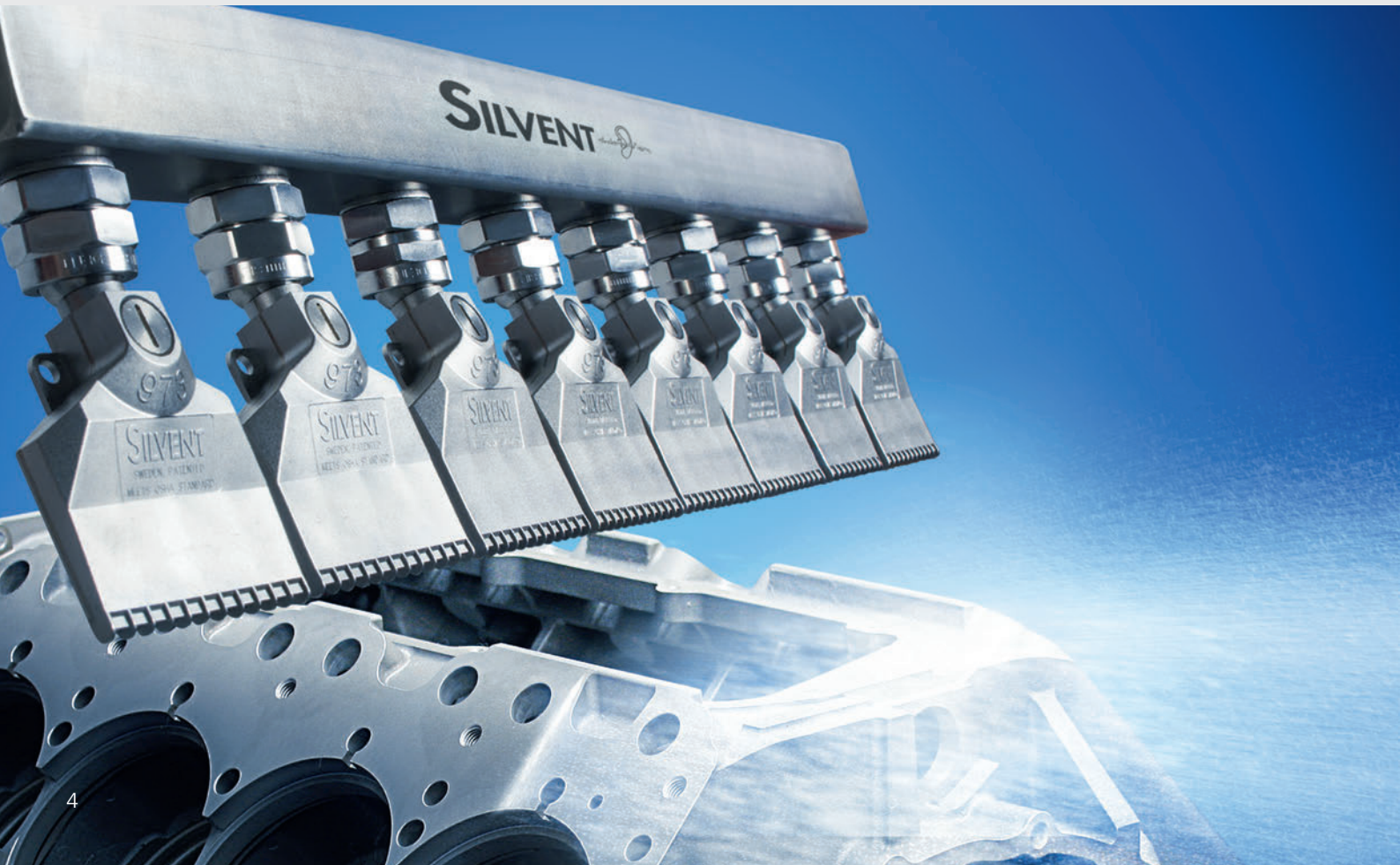
We deliver the products that make work safer and quieter for your operators. With lower energy consumption for the sake of economy and the environment. Learn more about our expertise in blowing with compressed air.



INDEX



We have unique products and expertise in blowing with compressed air.



Why Silvent?

The short answer is that our products and expertise provide:

- *Improved manufacturing processes*
- *Lower energy consumption*
- *A better work environment*

Read more on the following pages about blowing with compressed air and how Silvent can help you as a manufacturing company.

Five processes where Silvent makes a difference.

All manufacturing industries use compressed air. The most common reasons for blowing with compressed air in the manufacturing process include cleaning and drying. In many cases, companies build their own blowing applications using copper pipes, also known as open pipes. Sometimes these applications work, but they rarely produce good results. Many of the companies we contact agree that it's difficult to find a really good solution using open pipes. This is partly due to the lack of any prior technical dimensioning for the applications, which means they are often over-dimensioned and inefficient. Open pipes also generate high sound levels, which can be harmful to operators.
Our products are designed to use compressed air in the best possible way and thus streamline the manufacturing process. Thanks to Silvent's unique technology, it's also possible in most cases to reduce energy consumption and noise, and increase safety.

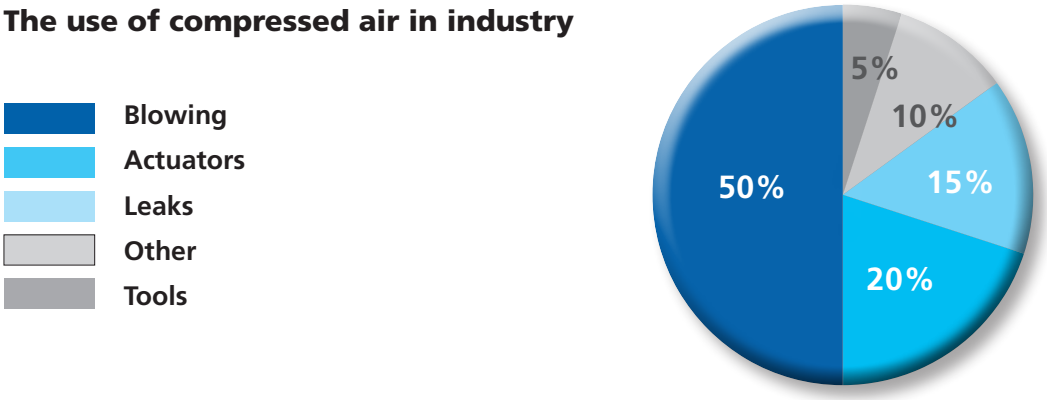
Processes where Silvent makes a difference

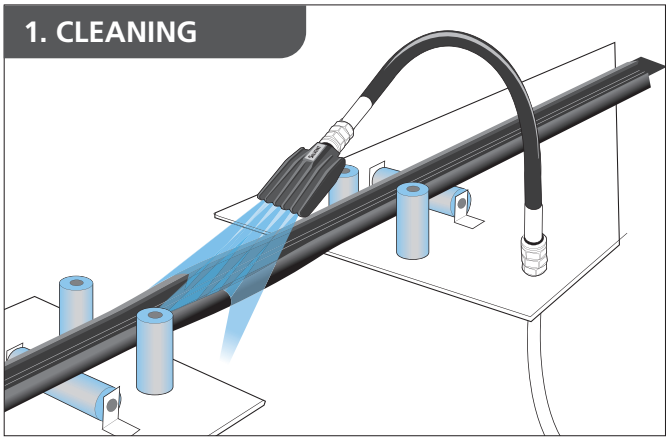
- Cleaning
- Drying
- Cooling
- Transporting
- Sorting

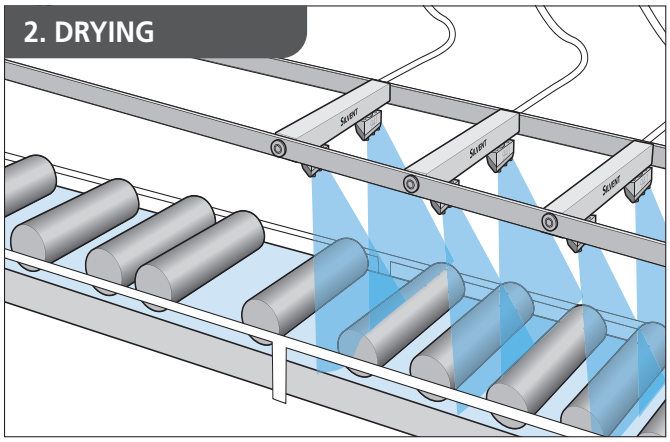
*Half of all compressed air produced is used for blowing.**

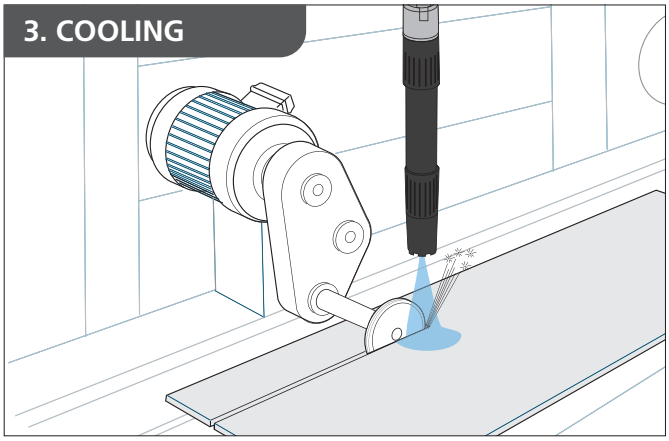
**Source: SMC*

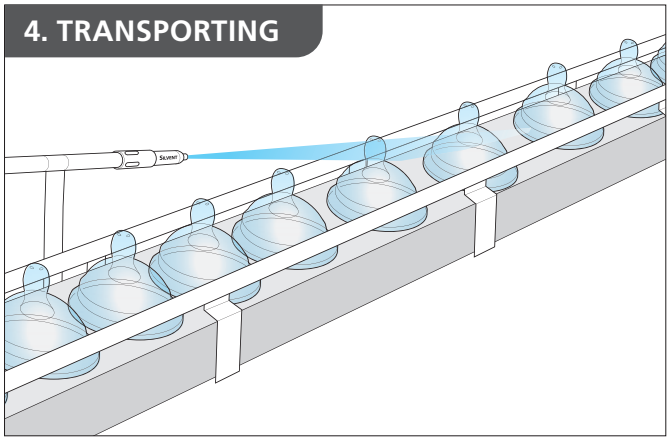
The use of compressed air in industry

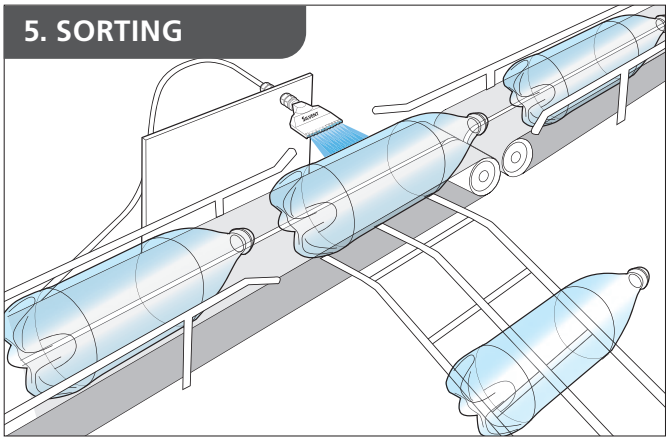






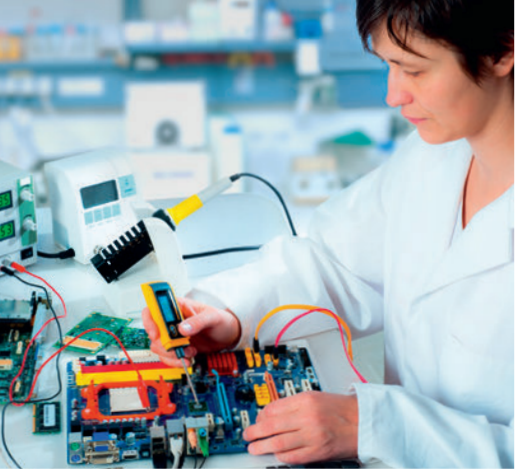






For examples of more applications, see pages 96-97.

SILVENT 300 (AK022113005) is efficient and has small installation dimensions. It is often used for cleaning and drying in manufacturing processes in many industries.





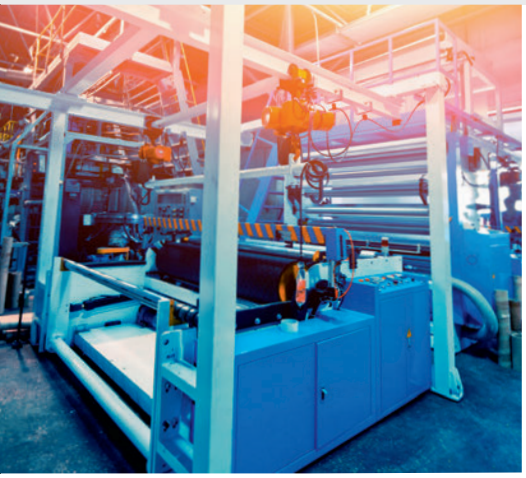

Increase efficiency in your manufacturing process with a properly executed application. Silvent's engineers will be happy to share their know-how to achieve the best solution.






Ask us!
We have experience from applications in 96 countries

Our engineers possess unique expertise in blowing with compressed air and they help manufacturing companies around the world with industry-specific applications on a daily basis. With three decades of work behind us, we are the world leader in our niche. We have amassed an enormous fund of knowledge regarding blowing applications in many different industries. We regard every problem as a challenge. There is a good solution. Our experience is your guarantee.



- Chemical and pharmaceutical
- Medical equipment
- Steel and metalworking
- Glass, concrete and plaster
- Pulp and paper
- Computers and instruments
- Home appliances and electronic components
- Metal products
- Vehicles
- Machine manufacturers
- Wood products
- Furniture
- Textile and leather
- Food and tobacco
- Plastic and rubber products

We are proud of our customers.

Photo:SKF.com

Photo:SSAB

Photo:Sandvik

Photo:ABB

Photo:SSAB

They care about their employees and the environment. And so do we.

ABB
Arcelor Mittal
Arconic
Baosteel
Barilla
BMW
Boeing
Brembo
Coca-Cola
Coesia
Constellium
Essity
Ferrero
General Electric
General Motors
Georgia Pacific
Hydro Aluminium
IKEA Industry
Kimberly-Clark
Lockheed
L'Oréal
Marcegaglia
Mercedes Benz
3M
Nestlé
Nucor
Peugeot
Pilatus
Porsche
Procter & Gamble
Rolex
Saint Gobain PAM
Sandvik
SCA
Schneider Electric
Siemens
SKF
SSAB
Stelco
Ternium
Tesla
Tetra Pak
Toyota
US Steel
UTC
Voestalpine
Volkswagen
Volvo

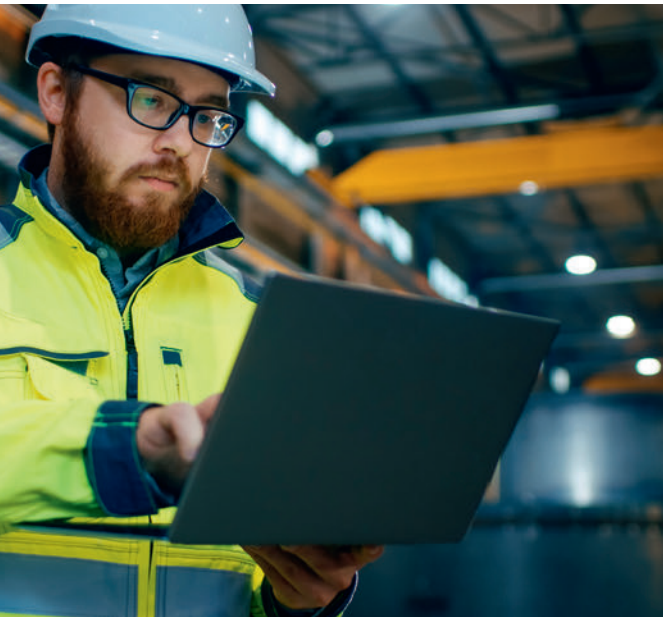
Why do our customers use Silvent?

Three different industries, three different answers.

There are many reasons why our customers choose to use Silvent products for blowing with compressed air. But in most cases it's down to their wanting to improve the manufacturing process. Our customers can be found in a variety of industries and we have extensive experience when it comes to blowing applications. We always start with our customers' objectives when presenting our solutions for delivering the best results. Here are three examples of how we help our customers.

"We always start from the customer's vision when presenting our solutions. This makes all projects unique, and is behind our extensive experience."

Anton Olander, Technical Director, Silvent



The lower energy consumption that Silvent's products often provide is seen by the truck manufacturer as a pure bonus.

Improves efficiency

Many applications for blowing with compressed air are inefficient, and this can impact the entire manufacturing process. A European truck manufacturer uses our products to improve efficiency.

The manufacturer has production in many different fields, such as foundries and metalworking. Their employees continually evaluate the manufacturing process to identify areas for improvement and automation. They often buy our newly launched products for tests and evaluation in order to find new competitive advantages.

We helped the truck manufacturer reduce production time as well as energy consumption. In recent years, our products have been used in all of the truck manufacturer's production facilities.

Zero vision for industrial injuries

Blowing with compressed air can be dangerous if handled incorrectly. A world-leading paper mill that focuses on safety chose to install our products as part of its safety efforts.

The mill has been working on a zero vision for industrial accidents for many years. Although paper production is automated, industrial accidents are a major problem. Usually, accidents occur in stressful circumstances, when employees act without thinking about safety. Accordingly, we have developed a product specifically for paper mills, to minimise the risk of injuries.

We're helping the paper mill improve safety for operators. The company has used our products for 20 years.

Reducing energy use and environmental impact

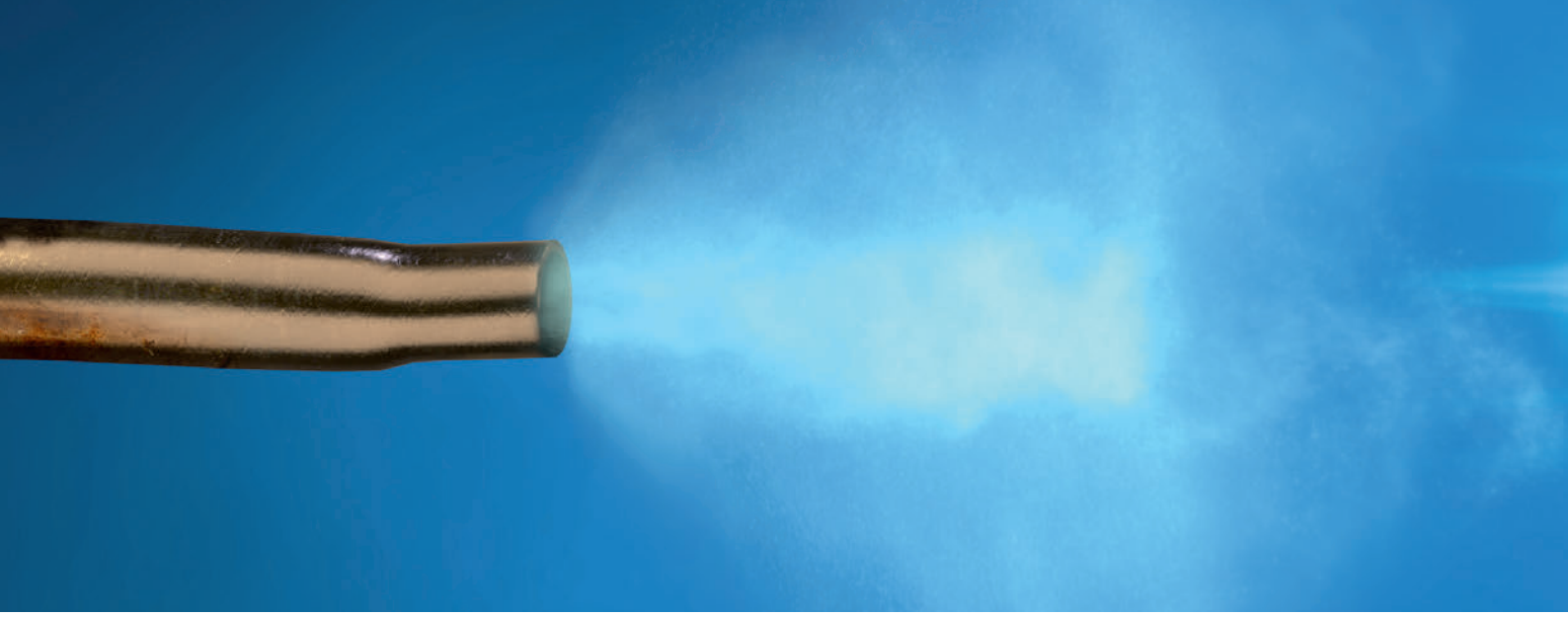
Compressed air is very energy-intensive, resulting in high costs and negative environmental impact. When an American steel mill wanted to gain a better understanding how to reduce its energy consumption, they contacted us.

Steel manufacturing is one of the most energy-intensive manufacturing processes in the world. The steel mill had begun its energy reduction efforts ten years earlier with in-house training together with Silvent. They felt it was important for all employees to understand the huge cost of production and its negative impact on the environment.

Today, we not only supply products to the steel plant, but also provide training for employees on new applications and products designed specifically for the steel industry.

We're helping the steel plant achieve enormous energy savings. Our products have also improved the applications, which has led to higher quality sheet metal.

Silvent not only supplies products to the steelworks, but also training for employees to pass on knowledge.



We have one competitor. The open pipe.

The most common method of blowing with compressed air is to use an open pipe. Most installations are not based on any prior technical design calculations, which means 90% of them are inefficient and over-dimensioned.

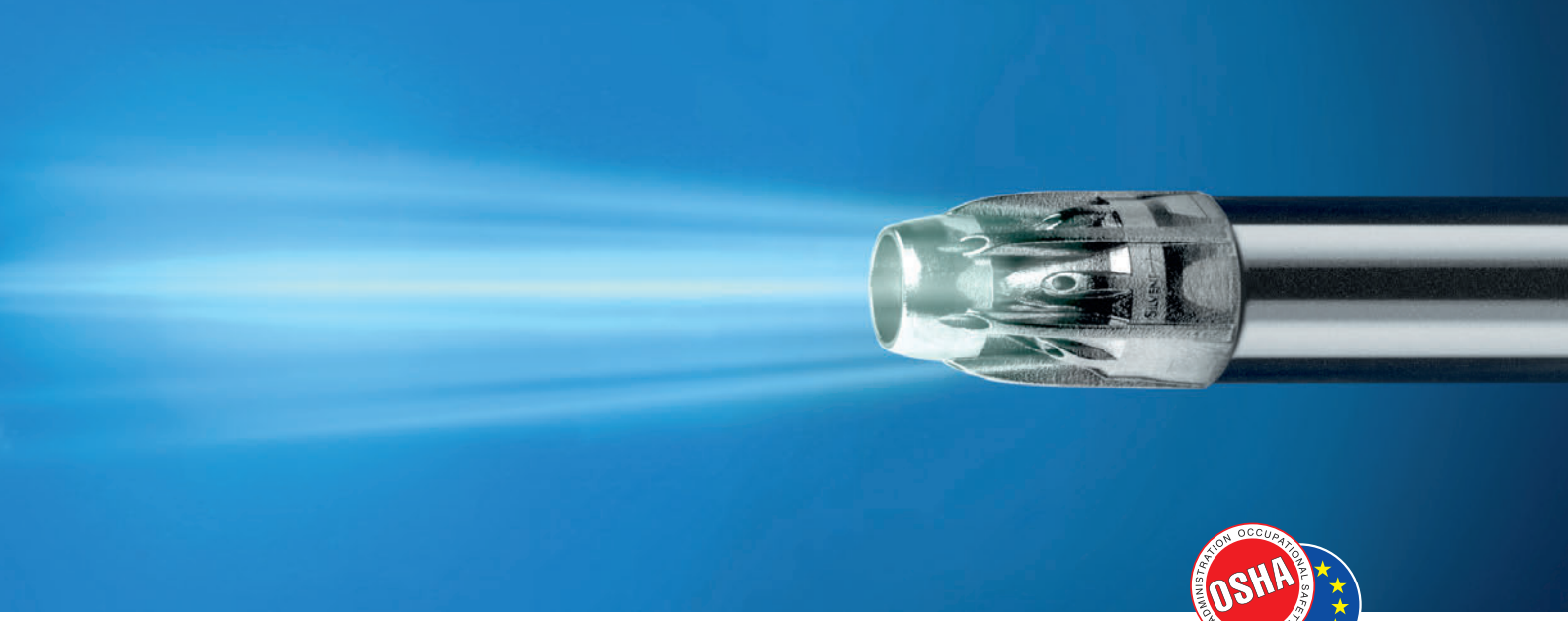
Using an open pipe for blowing may work, but there are disadvantages:

- Turbulent, limited air jet, resulting in inefficient blowing
- Hugely energy intensive, which means operating costs are extremely high
- Generates high noise levels and can also cause serious injury

Open pipe vs Silvent air nozzle

Silvent's patented blowing technology, known as Silvent technology, Minimise turbulence by generating laminar air jets. With our products and know-how, we are able to replace open pipe installations and achieve huge benefits.

- **Increased efficiency**
- **35% lower energy consumption**
- **50% lower sound level and greater safety**



Here's how much you'll reduce sound levels and costs when you use a Silvent air nozzle instead of an open pipe.

OPEN PIPE			SILVENT AIR NOZZLE					
Pipe, internal Ø mm	Sound Level dB(A)	Air consump. Nm³/h	Replace with	Sound level reduction dB(A)	%	Air savings Nm³/h	%	Annual savings EUR
2	84	8	**MJ4**	8	43%	4	50%	44
2.5	87	12	**MJ5**	8	43%	2	17%	22
3	90	17	**MJ6**	8	43%	3	18%	33
4	95	30	**X01**	17	69%	16	53%	175
5	99	47	**1011**	15	65%	21	45%	229
6	102	67	**9002W**	22	78%	37	55%	404
7	105	92	**973**	19	73%	34	37%	371
8	108	118	**X03**	19	73%	65	55%	710
10	112	185	**705 L**	19	73%	90	49%	983
12	116	266	**X07**	20	75%	146	55%	1 594
14	119	363	**710 L**	19	73%	147	40%	1 605
16	122	474	**412 L**	34	89%	270	57%	2 948
17	123	536	**715 C**	23	80%	225	42%	2 457
18	124	599	**715 L**	20	75%	287	48%	3 134
20	126	740	**720**	22	78%	320	43%	3 494
25	131	1159	**735 L**	22	78%	391	34%	4 270
32	139	2677	**780 LA**	20	75%	927	35%	10 123

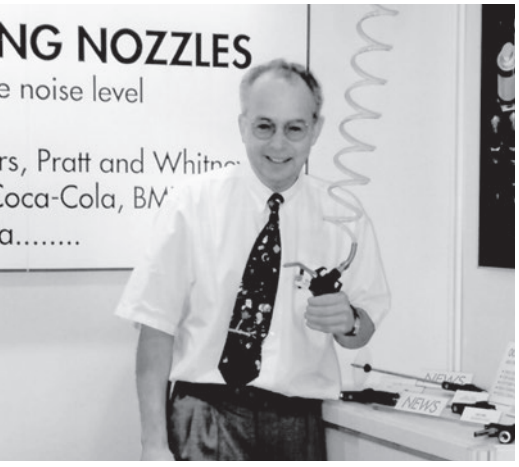
Here's how we calculated:

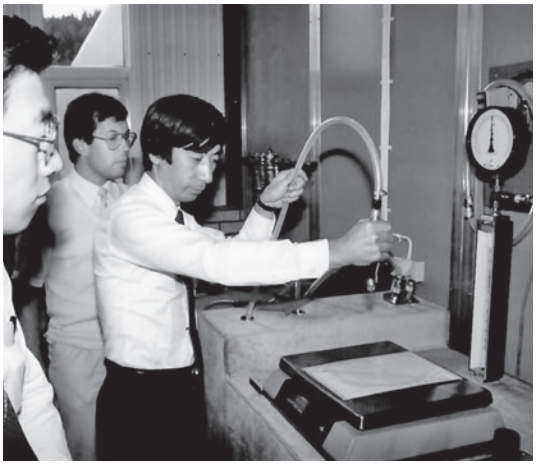
The table is based on 520 hours (52 x 5 working days, 2 hours/day).
The cost of 1 Nm³ at 500kPa is calculated at 2,1 cents (EUR).

How it all began.

Noisy industry demanded new technology

Noise has been a challenge since modern manufacturing emerged. Early on, neither trade unions nor companies knew just how dangerous noise was. Ignorance led to hearing loss for many industrial workers. And so it became clear that a better understanding and a solution to the problem was necessary.





It became apparent in the beginning of the 1970s that many people in industry were suffering from hearing loss. Accordingly, the labor market parties in Sweden set up a group tasked with investigating the problem and presenting a proposal on how to reduce noise. Acoustic engineer Stig Ingemansson was commissioned to lead the project.

1976 – The beginning

To get more information on the problem, the project group began by conducting field studies and measurements in Swedish industry. It became apparent that almost every industry had noise problems, i.e. sound levels above 85 dB(A). Blowing with compressed air was one of the processes that generated the most noise. It was noted that many of the companies used ordinary copper pipes, aka open pipes, for cleaning, drying, cooling, transporting and sorting with compressed air. Or they used air blow guns based on the same principle, an open pipe.

Following an analysis of other markets in Europe and the United States, the markets were also discovered to use the same method. The problem with blowing compressed air through open pipes is the increased air turbulence created as soon as the air leaves the pipe. This results in very high, harmful sound levels. The project team understood they needed to develop a new solution if they were to reduce sound levels and hearing loss.

FACTS ABOUT SILVENT 209

- *The world's first patented air nozzle*
- *Replaces 4 mm open pipe*
- *Reduces the sound level by 15 dB(A)*
- *37% energy savings*
- *Hundreds of thousands of installations since 1989*
- *Still a top seller even though many customers nowadays use SILVENT 209 L-S*
- *See more facts on page 39.*

Did you know that a 10 dB(A) decrease in sound level is perceived by the ear as half the sound level? SILVENT 209 reduces sound levels by no less than 15 dB(A).

SILVENT 209 – the nozzle that has been around since the start and is still in use today.

AIR TECHNOLOGY SINCE 1989

1978 – the prototype Silvent is patented

Creating a solution was a challenging undertaking. There was no earlier research in the field, nor any simulation software. What's more, the production of prototypes was both time-consuming and difficult. It took several years of development before the Group developed a prototype in 1978 using technology that significantly reduced the sound level when blowing. The prototype was patented and named Silvent, an abbreviation of the Latin words for quiet wind; silencum ventum. The prototype still forms part of the air nozzle range and is known as SILVENT 209.

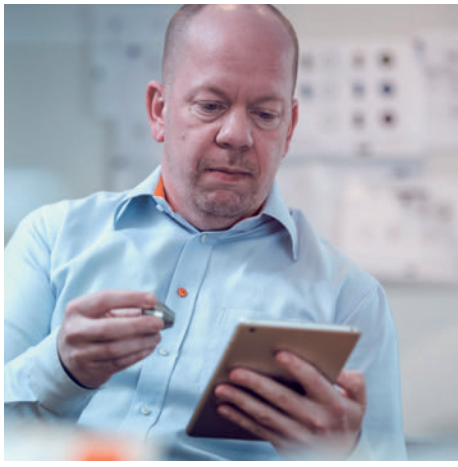
1989 – the Silvent company is founded

Because Ingemansson, who led the project, was never interested in selling air nozzles, he sold the patent rights for the prototype Silvent. For a few years there was no development. But the big breakthrough came in 1989 when Peder Ekberg and Åke Eliasson founded Silvent AB. Their passion and focus on R&D led more and more major corporations around the world to become aware of Silvent and its unique air nozzles. A success story had begun.

Silvent today.

Much has happened, but the uniqueness remains and is growing

Silvent is now a growing international company with its own offices and representatives around the world. Although industry has come a long way since Silvent's inception in 1989, noise remains a major problem. Over the years, efficiency and energy optimisation have also become increasingly important parameters. Experience and R&D have helped Silvent become the world leader it is today.



The world looks different today compared to when Silvent was founded in 1989. Today, occupational health & safety and energy optimization are prioritized all over the world, making Silvent products more relevant than ever. At the same time, Silvent's employees have built up a unique fund of knowledge and experience, which helps many Silvent customers improve their manufacturing processes. Silvent offers truly unique products and expertise.

Silvent around the world

Today, Silvent's products are used in more than 95 countries. Our air nozzles, air knives, air blow guns, pneumatic mufflers and customized solutions for blowing with compressed air are used by leading manufacturers and well-known brands such as General Motors, Volvo, Toyota, Tetra Pak, Samsung, Baosteel, Kimberly-Clark and SKF.

We opened our eleventh office in 2022. Today we have offices in Borås, Chicago, San Diego, Shanghai, Nice, Birmingham, Salzburg, Heerlen, Barcelona, Verona and Warsaw. In addition to our own offices, we also have expert distributors in much of the world. We are proud that we are able to offer our patented products and unique expertise all over the world today.

Research and development

Silvent's highly skilled employees possess unique leading-edge expertise in blowing with compressed air. This know-how, together with Silvent's patented products, not only helps companies save considerable amounts of expensive compressed air, but also improve the working environment for operators all over the world – an unbeatable combination according to many of Silvent's satisfied customers.

Silvent's headquarters are located in Sweden, which is also home to its R&D department. Major resources are invested in the development of new products. To meet market requirements, this work is often carried out in close collaboration with customers and users. All manufacturing and product assembly takes place in Sweden.

FACTS ABOUT SILVENT

- *All research, development and manufacturing takes place in Sweden.*
- *Sales offices are located in Sweden, United States, China, France, United Kingdom, Austria, Netherlands, Spain, Italy and Poland.*
- *Holder of several world patents in the fields of compressed air dynamics and ergonomic design.*
- *Our products have received awards such as Red Dot Product of the Year, IDEA and Plastovation of the Year.*
- *Part of the Lifco Group, which is listed on Nasdaq Stockholm.*

Made in Sweden

Support
Our application engineers are always ready to provide advice and tips on how to apply Silvent technology in your production. Today, we have experience from every kind of manufacturing industry.
We offer support all the way from first contact until the application is installed and ready to go.

Contact your Silvent representative. They have expertise in blowing with compressed air and will be happy to assist you in your improvement efforts.

The SILVENT X03, a new generation nozzle with multi-laval technology and an all-new innovative design for targeted, effective blowing force.

YouTube

Watch our product videos.

LinkedIn

Follow us and share in our knowledge.

"All Silvent air nozzles are based on Silvent technology, which is the optimum combination of high blowing force, low energy consumption and reduced noise."

Air nozzles

Product overview – Air nozzles

SILVENT MJ4

TECHNICAL DATA

Replace open pipe Ø (mm)	2
Blowing force (N)	0.9
Air consumption (Nm³/h)	4
Sound level (dB(A))	76
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	M4x0.5
Weight (g)	1
Max temp (°C)	400
Max op. pressure (MPa)	1.0

- **Stainless steel micro nozzle**

SILVENT MJ4: micro nozzle of stainless steel with central hole surrounded by slots. Generates a concentrated air stream while limiting both noise level and air consumption to a minimum. Small dimensions make this nozzle suitable for incorporation into most machine designs.

Noise reduction **8 dB(A)**

Energy savings **4 Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EN 1.4404

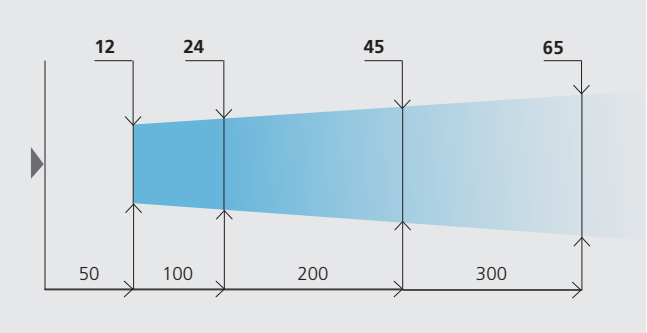
Blowing properties at different pressures (kPa)

MJ4	200	400	600	800	1000
Blowing force (N)	0.4	0.7	1.1	1.4	1.8
Air consumption (Nm³/h)	1.4	3.1	4.8	6.4	8.1
Sound level (dB(A))	66.8	74.3	76.6	80.0	81.4

**For further information, see page 166 or visit silvent.com.*

Dimensions

Blowing coverage (mm)



ALTERNATIVES

MJ40

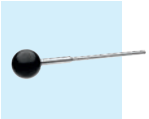
SILVENT MJ40 has a 1/8" male connection thread. Otherwise its performance is similar to the MJ4. Size: (Ø12x38 (Ø0.47x1.50")).

MJ4-QS

SILVENT MJ4-QS is a micro nozzle made of stainless steel. The nozzle is designed with a central hole in combination with surrounding vents. SILVENT MJ4-QS is equipped with an adapter, which can be easily installed on an existing, open pipe. The adapter makes installation easy, smooth and quick, with no impact on the equipment. The small mounting dimensions for the nozzle can fit on most machine designs.

ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.



Assembly tool for MJ4-QS
TOOL MJ4–QS is used when installing the SILVENT MJ4-QS air nozzle directly on a 4 millimeter pipe.
For more information see page 163.

SILVENT MJ5

TECHNICAL DATA

Replace open pipe Ø (mm)	2.5
Blowing force (N)	1.8
Air consumption (Nm³/h)	10
Sound level (dB(A))	79
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	M5x0.5
Weight (g)	2
Max temp (°C)	400
Max op. pressure (MPa)	1.0

- **Stainless steel micro nozzle**

SILVENT MJ5: micro nozzle of stainless steel with a central hole surrounded by slots. Generates a concentrated air stream while limiting both noise level and air consumption to a minimum. Small dimensions make this nozzle suitable for incorporation into most machine designs.

Noise reduction **8 dB(A)** | **Energy savings** **2 Nm³/h**

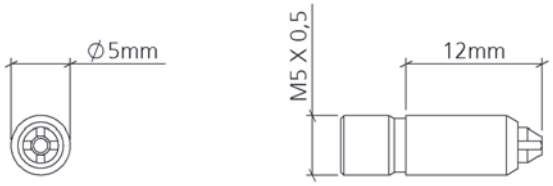
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

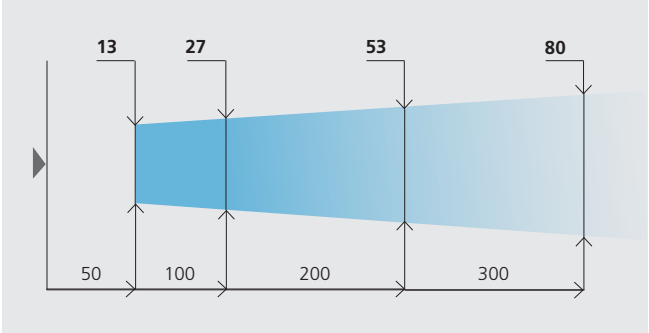
MJ5	200	400	600	800	1000
Blowing force (N)	0.7	1.5	2.1	2.9	3.6
Air consumption (Nm³/h)	4.5	7.9	11.4	14.8	18.2
Sound level (dB(A))	72.3	77.6	80.7	84.5	86.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

MJ50

SILVENT MJ50 has a 1/8" male connection thread. Otherwise its performance is similar to the MJ5. Size: (⌀12x39 (⌀0.47x1.54")).

ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

SILVENT MJ6

TECHNICAL DATA

Replace open pipe Ø (mm)	3
Blowing force (N)	2.5
Air consumption (Nm³/h)	14
Sound level (dB(A))	82
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	M6x0.75
Weight (g)	2
Max temp (°C)	400
Max op. pressure (MPa)	1.0

- **Stainless steel micro nozzle**

SILVENT MJ6: micro nozzle of stainless steel with a central hole surrounded by slots. Generates a concentrated air stream, while limiting both noise level and air consumption to a minimum. Small dimensions make this nozzle suitable for incorporation into most machine designs.

Noise reduction **8 dB(A)** | **Energy savings** **3 Nm³/h**

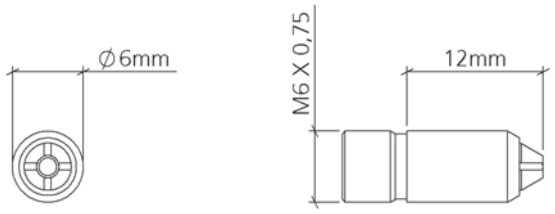
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

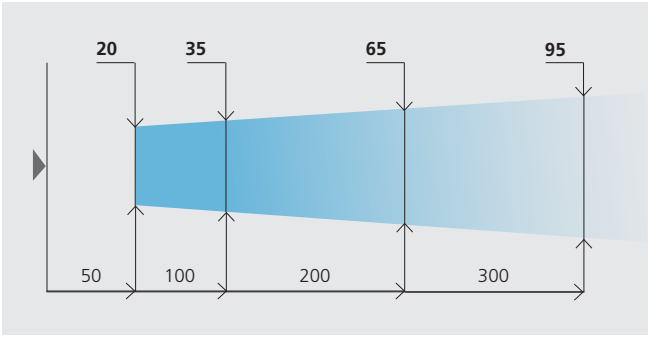
MJ6	200	400	600	800	1000
Blowing force (N)	1.1	2.1	3.0	4.0	5.0
Air consumption (Nm³/h)	6.8	11.6	16.6	21.4	26.2
Sound level (dB(A))	74.6	80.5	83.6	87.5	88.4

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

MJ60

SILVENT MJ60 has a 1/8" male connection thread. Otherwise its performance is similar to the MJ6. Size: (⌀12x39 (⌀0.47x1.54)).

ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

SILVENT X01

- **Stainless steel multi-Laval nozzle**

SILVENT X01 is a stainless steel blowing nozzle with patented multi-Laval technology. The energy saving air nozzle is part of Silvent's revolutionary new X-series. The nozzle in the new X series has a completely new and innovative design that creates a concentrated jet of air with reduced turbulence, thus enabling a more targeted, effective blowing force. Thanks to the newly patented technology, the air nozzle's design optimizes the air pressure's change from potential energy to aimed concentrated kinetic energy. This allows for maximal use of the air pressure. The unique design makes it possible to reduce noise levels during blowing by more than 10dB(A). The blowing nozzle is perfect for environments with high cleanliness requirements, such as the food industry. The nozzle has a 1/8" connection.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	2.8
Air consumption (Nm³/h)	14
Sound level (dB(A))	78
Nozzle technology	Multi-Laval
Material (nozzle)	1.4404 (316L)
Connection	G 1/8"
Weight (g)	9
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **17 dB(A)** **Energy savings** **16 Nm³/h**

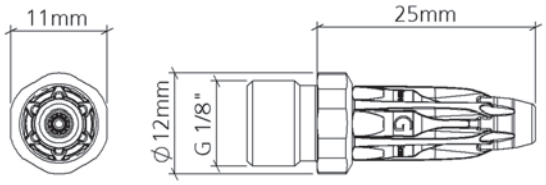
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

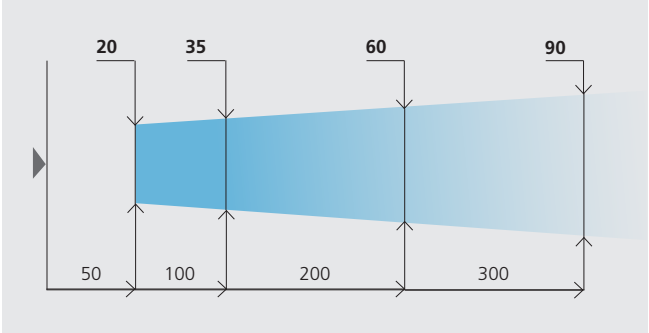
X01	200	400	600	800	1000
Blowing force (N)	1.2	2.3	3.4	4.5	5.6
Air consumption (Nm³/h)	8.0	12.0	16.0	20.0	24.0
Sound level (dB(A))	72.0	76.0	79.0	82.0	84.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

G01

SILVENT G01: with female connection thread M7x0.75. Dimensions: Ø8.5x21 (Ø0.33x0.83"). Otherwise, the same performance as X01.

X01-300

SILVENT X01-200 - X01-500: nozzle mounted on a bendable stainless steel FlexBlow hose that keeps the desired position, even when blowing at high pressure. Available in 4 different standard lengths. The FlexBlow hose has a 1/8" male connection thread. Otherwise, the same performance as X01.

ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

SILVENT 209 L-S

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.4
Air consumption (Nm³/h)	17
Sound level (dB(A))	78
Nozzle technology	Laval
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	45
Max temp (°C)	400
Max op. pressure (MPa)	1.0

- **Stainless steel Laval nozzle**

SILVENT 209 L-S: made of stainless steel with 1/4" male thread. Withstands high ambient temperatures and suitable for applications involving mechanical wear. SILVENT 209 L-S is part of a new generation of patented Laval nozzles. It is a refinement of Silvent's 208 and 209 nozzle series and represents an entirely new phase in blowing technology. The effect is achieved by surrounding a core jet moving at supersonic speed with a protective sheath of air running parallel to the direction of the central stream. There is a mix of divergent slots and holes around the Laval orifice that generates a quiet, powerful and laminar air flow. This nozzle provides extremely efficient blowing that utilizes your compressed air optimally.

Noise reduction **17 dB(A)** | **Energy savings** **13 Nm³/h**

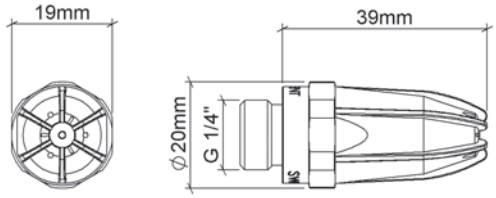
Feed pressure = 500 (kPa)
Material specification: EN 1.4404, EN 1.4305

Blowing properties at different pressures (kPa)

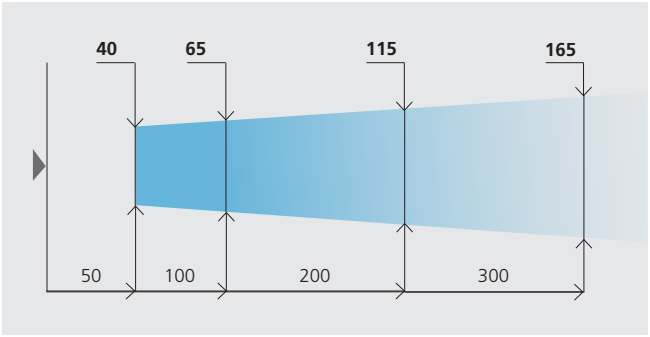
209 L-S	200	400	600	800	1000
Blowing force (N)	1.4	2.7	4.0	5.3	6.8
Air consumption (Nm³/h)	8.5	13.8	20.1	26.4	32.2
Sound level (dB(A))	70.0	75.5	78.7	83.0	86.0

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

208 L-S

SILVENT 208 L-S: made of stainless steel with 1/4" female thread. Otherwise, the same performance as 209 L-S.

2120 L-S

SILVENT 2120 L-S: made of stainless steel with 1/4" female thread. A somewhat shorter version of 209 L for applications where space is limited. Otherwise, the same performance as 209 L-S.

ACCESSORIES

Adjustable Swivel
PSK 14. Material: stainless steel.
For more information see page 156.

SILVENT 209 L

- **Laval nozzle (zinc)**

SILVENT 209 L is part of a new generation of patented Laval nozzles. It is a refinement of Silvent's 208 and 209 nozzle series and represents an entirely new phase in blowing technology. The effect is achieved by surrounding a core jet moving at supersonic speed with a protective sheath of air running parallel to the direction of the central stream. There is a mix of divergent slots and holes around the Laval orifice that generates a quiet, powerful and laminar air flow. This nozzle provides extremely efficient blowing that utilizes your compressed air optimally.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.4
Air consumption (Nm³/h)	17
Sound level (dB(A))	78
Nozzle technology	Laval
Material (nozzle)	Zn
Connection	G 1/4"
Weight (g)	49
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **17** **dB(A)** **Energy savings** **13** **Nm³/h**

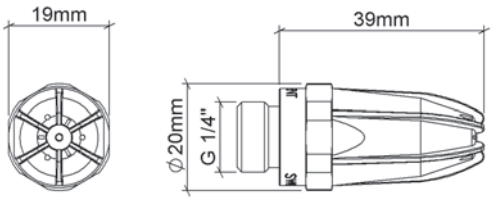
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 12844, CW614N

Blowing properties at different pressures (kPa)

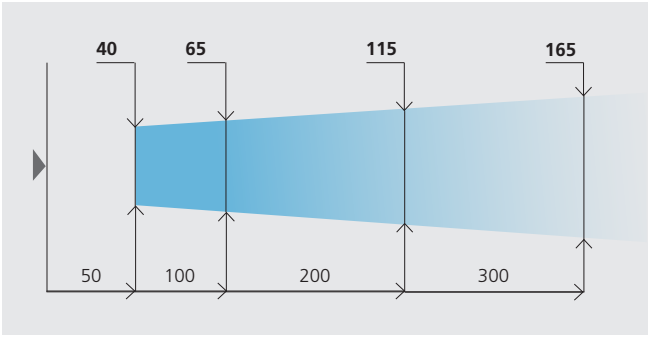
209 L	200	400	600	800	1000
Blowing force (N)	1.4	2.7	4.0	5.3	6.8
Air consumption (Nm³/h)	8.5	13.8	20.1	26.4	32.2
Sound level (dB(A))	70.0	75.5	78.7	83.0	86.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

208 L

SILVENT 208 L: made of zinc with 1/4" female thread. Otherwise, the same performance as 209 L.

230 L

SILVENT 220 L - 250 L: nozzle mounted on a bendable FlexBlow hose that maintains the desired position, even at high pressures. Silvent's FlexBlow hoses are available in 4 standard lengths with 1/4" male connection thread. Otherwise, the same performance as 209 L.

2120 L

SILVENT 2120 L: made of zinc with 1/4" female thread. A somewhat shorter version of 209 L for applications where space is limited. Otherwise, the same performance as 209 L.

231 L

SILVENT 221 L - 251 L: nozzle mounted on a bendable FlexBlow hose and magnetic base allows quick and easy adjustment to the correct blowing angle. Maintains the desired position, even at high pressures. Available in 4 standard lengths. Otherwise, the same performance as 209 L.

SILVENT 512

- **Slot nozzle (zinc)**

SILVENT 512: slot nozzle that generates a directed air jet. Suitable for all-purpose blowing and blowing in confined spaces. Compact size makes this nozzle a popular choice for use in machines and tools where clearance is limited. Combines advantages of low noise level and low air consumption with high blowing force.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.2
Air consumption (Nm³/h)	19
Sound level (dB(A))	79
Nozzle technology	Slot
Material (nozzle)	Zn
Connection	G 1/8"
Weight (g)	5
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **16 dB(A)** **Energy savings** **11 Nm³/h**

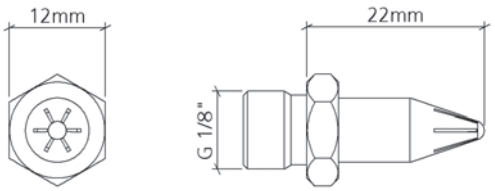
Feed pressure = 500 (kPa)
Material specification: EN 1.4305, Zn ZL0410 EN1774

Blowing properties at different pressures (kPa)

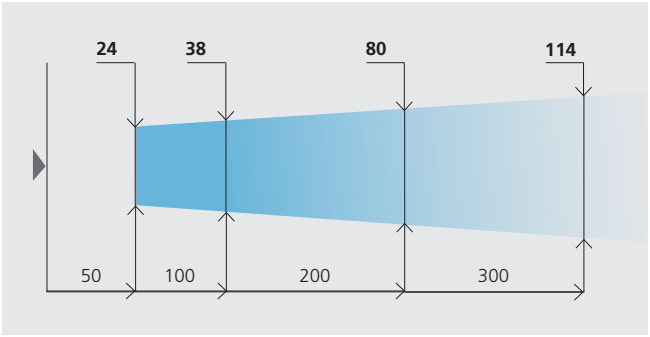
512	200	400	600	800	1000
Blowing force (N)	1.4	2.6	4.0	5.1	6.3
Air consumption (Nm³/h)	9.3	15.3	22.8	29.8	36.8
Sound level (dB(A))	71.0	76.8	81.0	84.9	87.5

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

511

SILVENT 511: length 55.8 mm (2.19"). Same performance as 512.

5001

SILVENT 5001: with female connection thread M7x0.75. Same performance as 512. Dimensions: Ø8x18.3 (Ø0.31x0.72").

5003

SILVENT 5003: with male connection thread M7x0.75. Same performance as 512. Dimensions: Ø8x23.3 (Ø0.31x0.92").

630

SILVENT 620 - 650: nozzle mounted on a bendable FlexBlow hose that keeps the desired position, even when blowing at high pressure. Available in 4 different standard lengths. The FlexBlow hose has a 1/8" male connection thread. Blowing force 2.9 N (10.2 oz).

SILVENT 011

- **Stainless steel slot nozzle**

SILVENT 011: a robust stainless steel nozzle. Stainless steel is necessary in applications involving e.g. high ambient temperatures, the food processing industry, or intensive mechanical nozzle wear. Noise level is halved and energy savings are considerable in comparison with "open pipe blowing".

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.2
Air consumption (Nm³/h)	19
Sound level (dB(A))	81
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/8"
Weight (g)	10
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **14 dB(A)** **Energy savings** **11 Nm³/h**

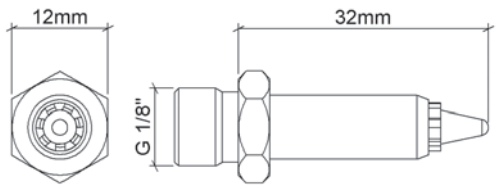
Feed pressure = 500 (kPa)
Material specification: EN 1.4305, EN 1.4404

Blowing properties at different pressures (kPa)

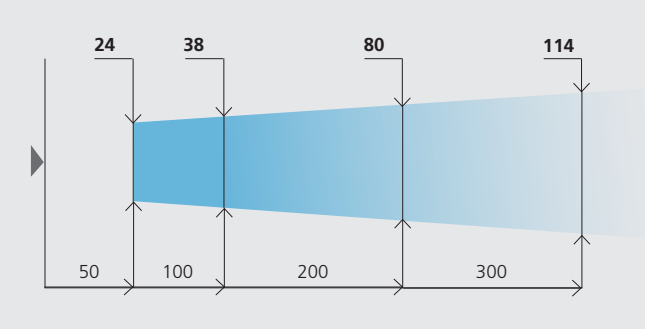
011	200	400	600	800	1000
Blowing force (N)	1.4	2.8	4.1	5.5	7.0
Air consumption (Nm³/h)	9.5	15.5	22.5	29.5	36.0
Sound level (dB(A))	72.0	77.5	80.7	85.0	88.0

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

0071

SILVENT 0071: with female connection thread M7x0.75. Same performance as 011. Dimensions: Ø8x27.5 (Ø0.31x1.08").

0073

SILVENT 0073: with male connection thread M7x0.75. Same performance as 011. Dimensions: Ø8x32.5 (Ø0.31x1.28").

ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

SILVENT 701

InTech

- **Stainless steel slot nozzle**

SILVENT 701: specially made entirely of stainless steel with aerodynamic slots to allow optimal utilization of compressed air, while keeping the noise level to a minimum. The high ambient temperatures of a glass works or the stringent hygienic requirements of the food processing industry are examples of typical areas of application. Blowing force of 3.2 N (11.3 oz). Part of SILVENT's 700 series together with 703, 705, 710 and 720.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.2
Air consumption (Nm³/h)	21
Sound level (dB(A))	82
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Weight (g)	54
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **13 dB(A)** | **Energy savings** **9 Nm³/h**

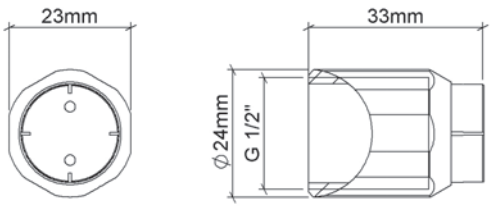
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

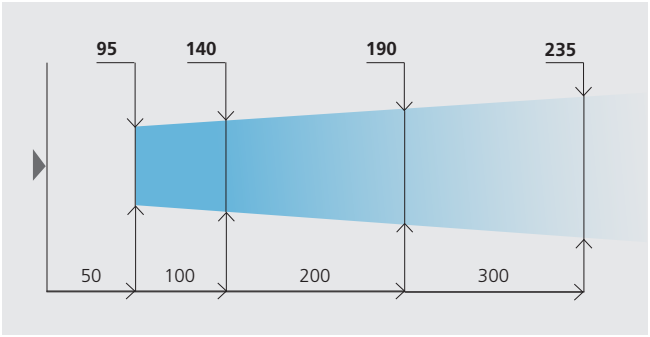
701	200	400	600	800	1000
Blowing force (N)	1.4	2.6	4.0	5.2	6.3
Air consumption (Nm³/h)	10.0	16.5	26.5	33.2	40.0
Sound level (dB(A))	75.3	80.0	83.6	86.2	87.5

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

701 A

SILVENT 701 A: an adjustable variation of 701. Adjustable blowing angle allows up to 30° adjustment from the centerline. The time required for installation and fine tuning of the blowing angle is decreased considerably as no fixed pipes need to be moved for adjustment. Adjustment of the blowing angle is often necessary in machines where the same manufacturing process is used to produce different parts. Otherwise, the same performance as 701.

701 LP

SILVENT 701 LP has a male ½" BSP connection thread. Otherwise its performance is similar to the 701. Size: Ø 23x20 mm (Ø0.91x0.79").

SILVENT 811

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	2.7
Air consumption (Nm³/h)	15
Sound level (dB(A))	80
Nozzle technology	Hole
Material (nozzle)	PEEK
Connection	G 1/8"
Weight (g)	2
Max temp (°C)	260
Max op. pressure (MPa)	1.0

- **Scratch-free PEEK nozzle**

SILVENT 811: "PEEK" nozzle with a central orifice. Withstands aggressive chemical environments, corrosive cutting fluids and temperatures of up to 260°C (500°F). Protects sensitive products against scratching and impact. 1/8" male connection thread. Additional technical specifications are provided in the table.

Noise reduction **15** **dB(A)**

Energy savings **15** **Nm³/h**

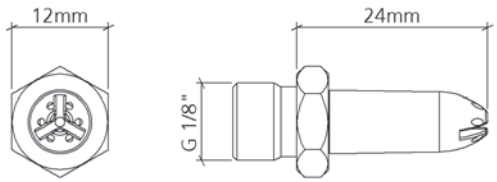
Feed pressure = 500 (kPa)
Material specification: PEEK 150CA30, PEEK 450 G

Blowing properties at different pressures (kPa)

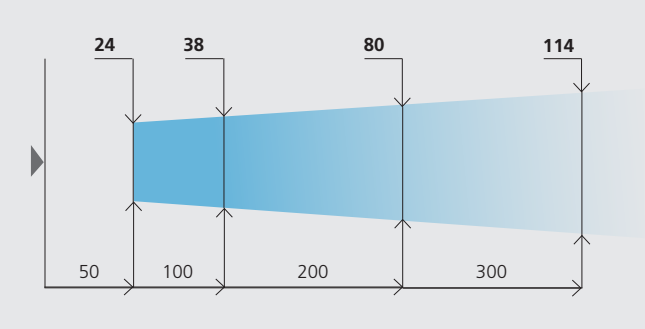
811	200	400	600	800	1000
Blowing force (N)	1.1	2.2	3.3	4.3	5.4
Air consumption (Nm³/h)	7.5	12.5	17.6	22.7	27.7
Sound level (dB(A))	69.5	76.7	80.9	83.6	85.9

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

8001

SILVENT 8001: with M7x0.75 female connection thread. Same performance as 811. Dimensions: Ø8x20 (Ø0.31x0.79").

ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

SILVENT 931

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.4
Air consumption (Nm³/h)	18
Sound level (dB(A))	78
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/8"
Weight (g)	14
Max temp (°C)	400
Max op. pressure (MPa)	1.0

- **Stainless steel mini-flat nozzle**

SILVENT 931 is a small angled flat nozzle in stainless steel. The nozzle generates a wide thin air stream. Due to its small dimensions, the nozzle is very suitable for machine designs with limited space. The fact that the nozzle is blowing in 90° angle often makes installation easier. The SILVENT 931 is also commonly used in small, silent and efficient custom made air knifes. The Silvent technology makes it possible to combine efficient and silent blowing.

Noise reduction **17** **dB(A)** | **Energy savings** **12** **Nm³/h**

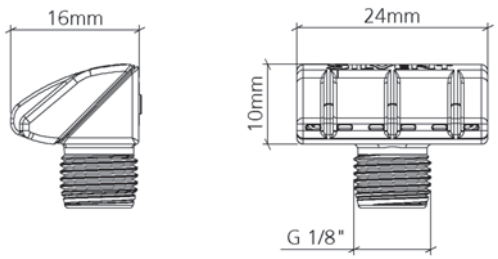
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

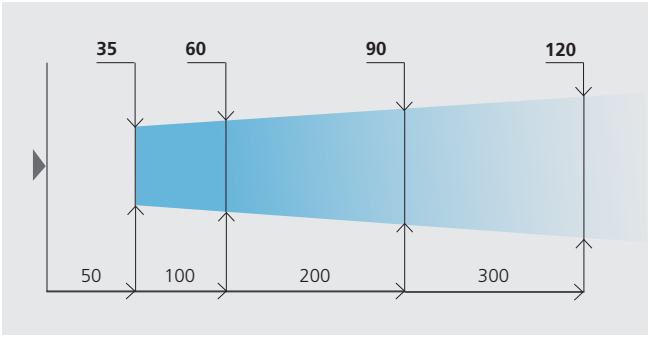
931	200	400	600	800	1000
Blowing force (N)	1.6	2.9	4.2	5.5	6.8
Air consumption (Nm³/h)	9.0	15.0	21.0	27.0	33.0
Sound level (dB(A))	69.4	76.1	79.8	81.4	82.2

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

FlexBlow Hose
FB18-300. Robust flexblow hose in stainless steel, with 1/8" thread at both ends.
For more information see page 159.

AIR KNIVES

SILVENT 336. See page 105.

SILVENT 961

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.3
Air consumption (Nm³/h)	20
Sound level (dB(A))	82
Nozzle technology	Slot
Material (nozzle)	Zn
Connection	G 1/8"
Weight (g)	18
Max temp (°C)	70
Max op. pressure (MPa)	1.0

- **Mini-flat nozzle (zinc)**

SILVENT 961: a small, angled flat nozzle that generates a broad but thin blowing pattern. Small mounting dimensions make it especially suitable for machine designs where space limitations are a problem. In many cases mounting is facilitated by the fact that the blowing angle is perpendicular to the plane of the threads. Can also be mounted in a manifold array, creating compact, quiet and efficient air knives. The outlet orifices are protected against external forces by fins.

Noise reduction **13** **dB(A)**

Energy savings **10** **Nm³/h**

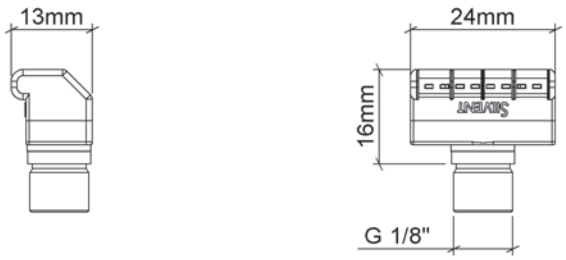
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 1284, NBR 70

Blowing properties at different pressures (kPa)

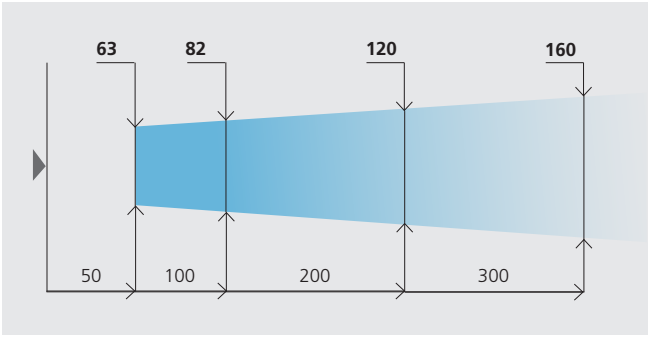
961	200	400	600	800	1000
Blowing force (N)	1.3	2.6	3.9	5.1	6.6
Air consumption (Nm³/h)	9.0	15.5	22.7	29.6	36.5
Sound level (dB(A))	71.1	78.1	82.8	85.5	87.6

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



SILVENT 941

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.4
Air consumption (Nm³/h)	18
Sound level (dB(A))	78
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/8"
Weight (g)	14
Max temp (°C)	400
Max op. pressure (MPa)	1.0

- **Stainless steel mini-flat nozzle**

SILVENT 941 is a small angled flat nozzle in stainless steel. The nozzle generates a wide thin air stream. Due to its small dimensions, the nozzle is very suitable for machine designs with limited space. The SILVENT 941 is also commonly used in small, silent and efficient custom made air knifes. The Silvent technology makes it possible to combine efficient and silent blowing.

Noise reduction **17** **dB(A)**

Energy savings **12** **Nm³/h**

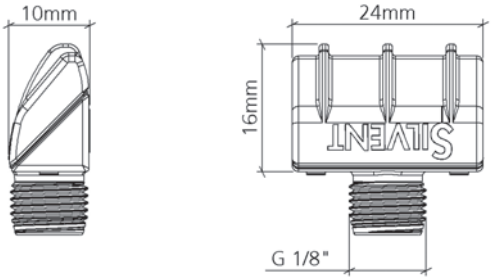
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

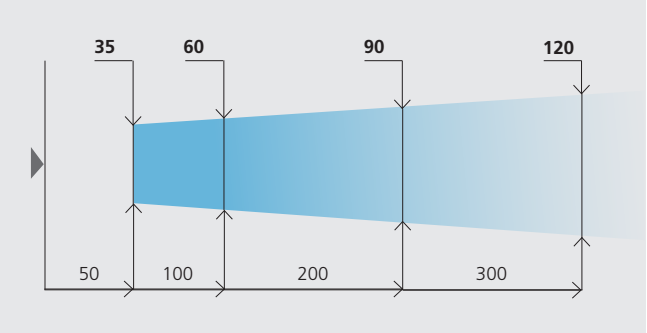
941	200	400	600	800	1000
Blowing force (N)	1.6	2.9	4.2	5.5	6.8
Air consumption (Nm³/h)	9.0	15.0	21.0	27.0	33.0
Sound level (dB(A))	69.4	76.1	79.8	81.4	82.2

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

FlexBlow Hose
FB18-300. Robust flexblow hose in stainless steel, with 1/8" thread at both ends.
For more information see page 159.

SILVENT 971

- **Stainless steel flat nozzle**

SILVENT 971: flat nozzle of stainless steel. Meets virtually every demand industry places upon a modern air nozzle. The design of the nozzle creates an air stream with a broader striking surface - clearly an advantage when wide objects must be dried, sorted or cleaned. Capable of withstanding high ambient temperatures and corrosive chemical environments, as well as satisfying the hygienic requirements of the food processing industry.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.8
Air consumption (Nm³/h)	21
Sound level (dB(A))	81
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/8"
Weight (g)	50
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **14 dB(A)** **Energy savings** **9 Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EN 1.4404

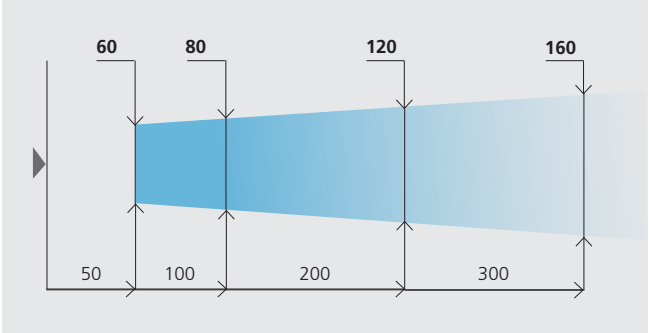
Blowing properties at different pressures (kPa)

971	200	400	600	800	1000
Blowing force (N)	1.6	3.1	4.6	6.0	7.5
Air consumption (Nm³/h)	10.5	17.9	24.7	31.7	38.8
Sound level (dB(A))	71.7	79.3	82.7	85.4	87.4

**For further information, see page 166 or visit silvent.com.*

Dimensions

Blowing coverage (mm)



ALTERNATIVES

971 F

SILVENT 971 F: with built-in flow regulation. Allows optimal utilization of compressed air. Adjusting the blowing force minimizes both energy consumption and the noise level. Otherwise, the same performance as 971.

SILVENT 921

- **Flat nozzle (zinc)**

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.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.0
Air consumption (Nm³/h)	17
Sound level (dB(A))	80
Nozzle technology	Slot
Material (nozzle)	Zn
Connection	G 1/8"
Weight (g)	38
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **15** **dB(A)** **Energy savings** **13** **Nm³/h**

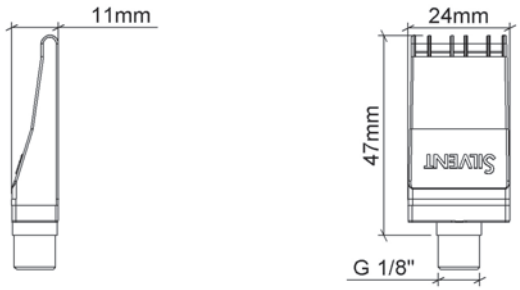
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 12844, NBR 70

Blowing properties at different pressures (kPa)

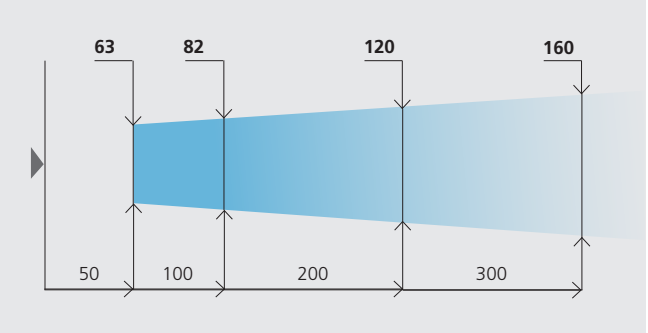
921	200	400	600	800	1000
Blowing force (N)	1.2	2.4	3.6	4.8	6.0
Air consumption (Nm³/h)	7.9	13.5	19.8	25.8	31.8
Sound level (dB(A))	69.2	76.4	80.8	83.5	85.7

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



SILVENT 209

- **Air nozzle (zinc)**

SILVENT 209: used in most types of applications. Made of zinc with 1/4" male connection thread. These nozzles have been installed in thousands of different applications throughout the world - applications where the noise level has been cut in half and energy consumption drastically reduced. The protective fins prevent direct contact between skin and the exhaust ports.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	3.5
Air consumption (Nm³/h)	19
Sound level (dB(A))	80
Nozzle technology	Hole
Material (nozzle)	Zn
Connection	G 1/4"
Weight (g)	48
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **15 dB(A)** **Energy savings** **11 Nm³/h**

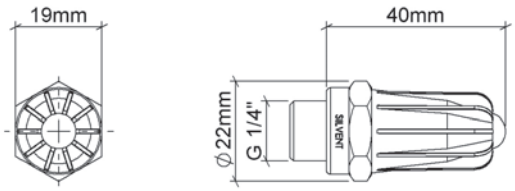
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 12844, CW614N

Blowing properties at different pressures (kPa)

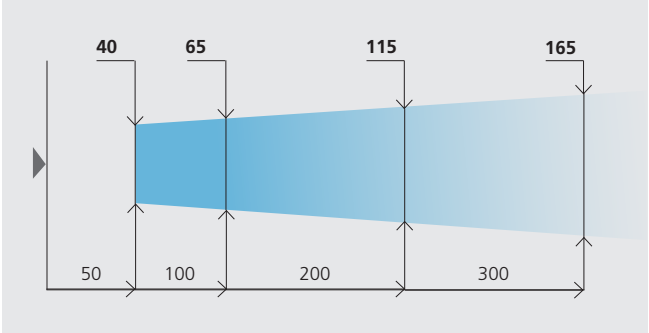
209	200	400	600	800	1000
Blowing force (N)	1.4	2.8	4.1	5.5	7.0
Air consumption (Nm³/h)	9.5	15.5	22.5	29.5	36.0
Sound level (dB(A))	72.0	77.5	80.7	85.0	88.0

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

208

SILVENT 208: with 1/4" female connection thread. Same performance as 209.

210

SILVENT 210: made of aluminum to withstand somewhat higher ambient temperatures than zinc. 1/4" female connection thread. Same performance as 209.

211

SILVENT 211: made of aluminum to withstand somewhat higher ambient temperatures than zinc. 1/4" male connection thread. Same performance as 209.

216

SILVENT 216: made of aluminum and surface treated with chemical nickel to handle tough environments. 1/4" male connection thread. Same performance as 209. Blowing force 3.2 N (11.3 oz).

SILVENT 801

- **Scratch-free EPDM Laval nozzle**

SILVENT 801 is an energy-efficient Laval nozzle that is part of Silvent's new "SILVENT SOFT™" series. The air nozzle is specially made in EPDM rubber to minimize the risk of scratches, such as on the surface of tools. The product meets the unique combination of demands for a scratch-free surface and high blowing force by applying Silvent's patented Laval technology. Silvent Laval technology is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The SILVENT SOFT 801 is ideal for all industries in which equipment and products are handled that cannot be damaged during compressed air blowing.

TECHNICAL DATA

Replace open pipe Ø (mm)	5
Blowing force (N)	4.0
Air consumption (Nm³/h)	23
Sound level (dB(A))	81
Nozzle technology	Laval
Material (nozzle)	EPDM
Connection	G 1/4"
Weight (g)	22
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **18** **dB(A)** **Energy savings** **24** **Nm³/h**

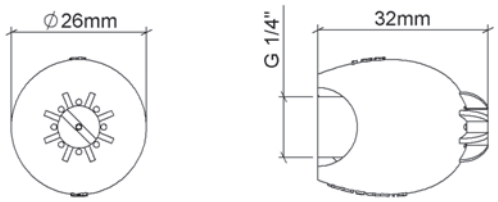
Feed pressure = 500 (kPa)
Material specification: EPDM 80, EN 1.4305

Blowing properties at different pressures (kPa)

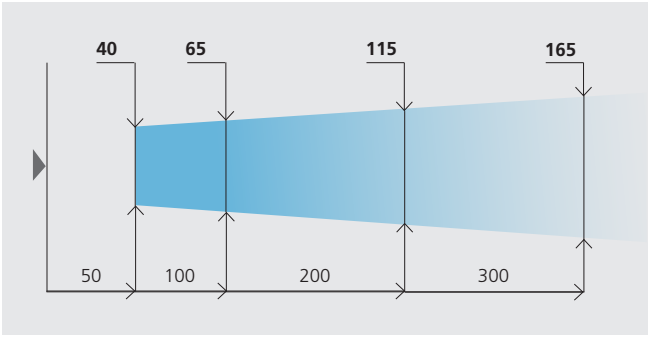
801	200	400	600	800	1000
Blowing force (N)	1.4	3.0	4.8	6.5	8.3
Air consumption (Nm³/h)	9.7	18.0	26.1	34.9	44.1
Sound level (dB(A))	71.6	78.4	83.1	86.0	88.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ACCESSORIES

FlexBlow Hose
FB14-300. Robust flexblow hose in stainless steel, with 1/4" thread at both ends.
For more information see page 159.

SILVENT 700 M

- **Stainless steel slot nozzle**

SILVENT 700 M: specially made entirely of stainless steel with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise level to a minimum. Hexagonal design fits a 14 mm (0.55") wrench. Features smaller dimensions than other nozzles in SILVENT's 700 series and therefore the right choice in applications where clearance is a problem. Designed for applications where SILVENT's standard nozzles may display certain limitations, for example, high ambient temperatures, hygienic requirements, mechanical wear, etc.

TECHNICAL DATA

Replace open pipe Ø (mm)	5
Blowing force (N)	4.2
Air consumption (Nm³/h)	25
Sound level (dB(A))	84
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 1/8"
Weight (g)	18
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **15** **dB(A)** | **Energy savings** **22** **Nm³/h**

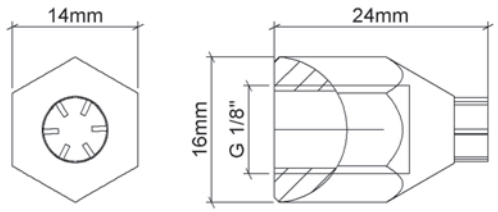
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

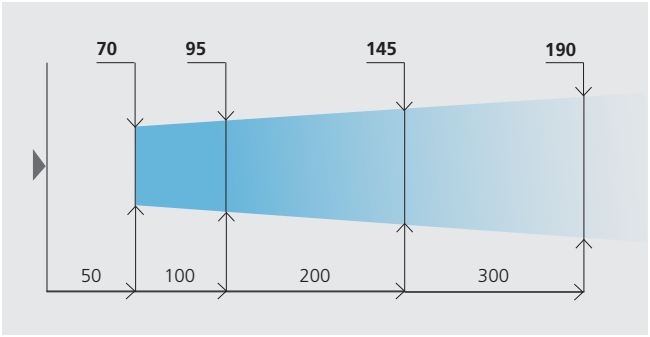
700 M	200	400	600	800	1000
Blowing force (N)	1.8	3.2	5.3	7.0	8.9
Air consumption (Nm³/h)	12.9	21.3	31.0	40.0	48.6
Sound level (dB(A))	75.8	82.5	86.7	88.6	90.3

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



SILVENT 1011

- **Stainless steel Laval nozzle**

SILVENT 1011: stainless steel Laval nozzle with 1/8" male thread. The Laval hole in the center creates a concentrated, supersonic jet of air. Surrounding the hole there are a number of diverging slots that generate a powerful, quiet and laminar air stream. This combination utilizes compressed air optimally. Halves the noise level and reduces air consumption dramatically, while maintaining the force of "open pipe blowing". The nozzle and the surrounding fins prevent dead end static pressure from exceeding 210 kPa (30 psi).

TECHNICAL DATA

Replace open pipe Ø (mm)	5
Blowing force (N)	4.4
Air consumption (Nm³/h)	26
Sound level (dB(A))	84
Nozzle technology	Laval
Material (nozzle)	1.4542 (630)
Connection	G 1/8"
Weight (g)	8
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **15** **dB(A)** | **Energy savings** **21** **Nm³/h**

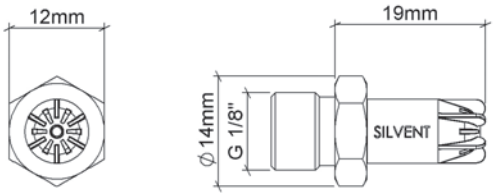
Feed pressure = 500 (kPa)
Material specification: EN 1.4542, EN 1.4305

Blowing properties at different pressures (kPa)

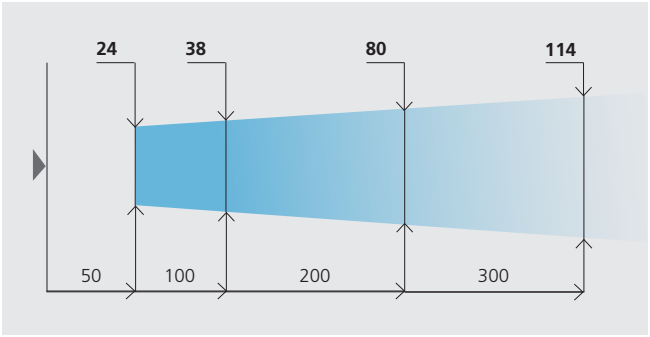
1011	200	400	600	800	1000
Blowing force (N)	1.9	3.6	5.3	6.9	8.5
Air consumption (Nm³/h)	13.0	22.1	30.9	40.0	48.3
Sound level (dB(A))	74.0	81.2	85.5	88.6	90.7

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

1001

SILVENT 1001: M7x0.75 female connection thread. Same performance as 1011. Dimensions: Ø8x15 (Ø0.31x0.59").

1003

SILVENT 1003: M7x0.75 male connection thread. Same performance as 1011. Dimensions: Ø8x20 (Ø0.31x0.79").

ACCESSORIES

Adjustable Swivel
PSK 18. Material: stainless steel.
For more information see page 156.

SILVENT X02

- **Stainless steel multi-Laval nozzle**

SILVENT X02 is a stainless steel blowing nozzle with patented multi-Laval technology. The energy saving blowing nozzle is part of Silvent's revolutionary new X-series. The nozzle in the new X series has a completely new and innovative design that creates a concentrated jet of air with reduced turbulence, thus enabling a more targeted, effective blowing force. Thanks to the newly patented technology, the air nozzle's design optimizes the air pressure's change from potential energy to aimed concentrated kinetic energy. This allows for maximal use of the air pressure. SILVENT X02 has approximately twice the blowing force of SILVENT X01. The unique design makes it possible to reduce noise levels during blowing by more than 10dB(A). The blowing nozzle is perfect for environments with high cleanliness requirements, such as the food industry. The nozzle has a 1/4" connection.

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	6.5
Air consumption (Nm³/h)	34
Sound level (dB(A))	86
Nozzle technology	Multi-Laval
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	17
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **16 dB(A)** **Energy savings** **33 Nm³/h**

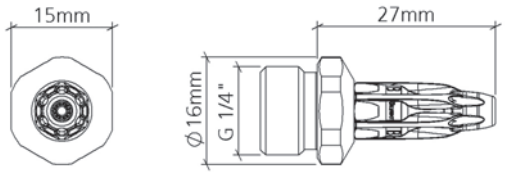
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

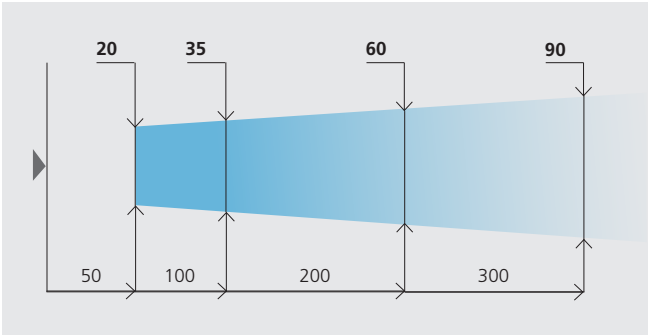
X02	200	400	600	800	1000
Blowing force (N)	2.6	5.2	7.7	10.3	12.8
Air consumption (Nm³/h)	15.2	28.6	40.9	53.9	66.8
Sound level (dB(A))	79.2	84.3	88.0	89.8	90.5

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

B02

SILVENT B02: with female connection thread M7x0.75. Dimensions: Ø8.5x21 (Ø0.33x0.83"). Otherwise, the same performance as X02.

X002

SILVENT X002: has a 1/8" male connection thread. Dimensions: ⬡12x25 (⬡0.47x0.98"). Otherwise, the same performance as X02.

X02-300

SILVENT X02-200 - X02-500: nozzle mounted on a bendable stainless steel FlexBlow hose that keeps the desired position, even when blowing at high pressure. Available in 4 different standard lengths. The FlexBlow hose has a 1/4" male connection thread. Otherwise, the same performance as X02.

SILVENT 9002W-Z

NEW!

- **Flat nozzle (zinc)**

SILVENT 9002W-Z: an energy-efficient flat zinc nozzle that generates a strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this flat nozzle, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. These small orifices combined with the aerodynamic slots of the nozzle provide high efficiency. The flat nozzle includes two fastening holes for easy installation.

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	5.5
Air consumption (Nm³/h)	28
Sound level (dB(A))	78
Nozzle technology	Laval
Material (nozzle)	Zn
Connection	G 1/4"
Weight (g)	116
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **24** **dB(A)** **Energy savings** **39** **Nm³/h**

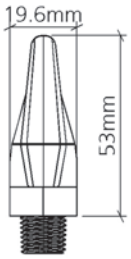
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 12844

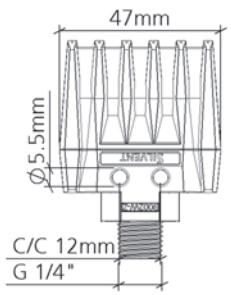
Blowing properties at different pressures (kPa)

9002W-Z	200	400	600	800	1000
Blowing force (N)	2.4	4.6	6.8	8.9	11.1
Air consumption (Nm³/h)	13.0	23.0	33.0	43.0	53.0
Sound level (dB(A))	70.0	76.0	79.0	84.0	86.0

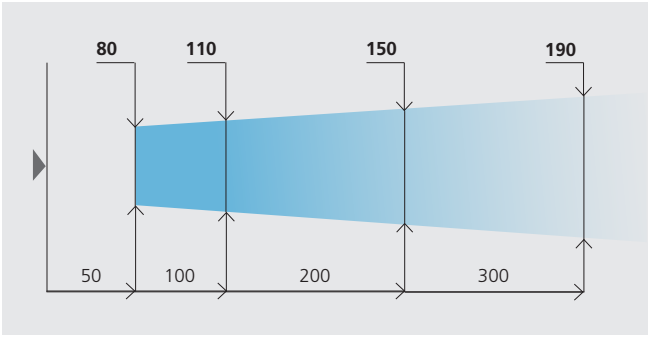
For further information, see page 166 or visit silvent.com.

Dimensions





Blowing coverage (mm)



ACCESSORIES

Adjustable Swivel
PSK 14. Material: stainless steel.
For more information see page 156.

SILVENT 920 A

- **Flat nozzle (zinc)**

SILVENT 920 A: 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 1/4" male connection thread. The exhaust ports are protected from external forces by fins.

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	5.5
Air consumption (Nm³/h)	30
Sound level (dB(A))	81
Nozzle technology	Slot
Material (nozzle)	Zn
Connection	G 1/4"
Weight (g)	120
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **21** **dB(A)** | **Energy savings** **37** **Nm³/h**

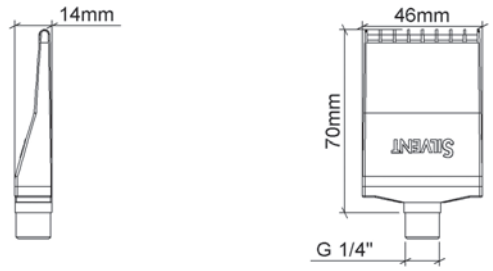
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 12844, NBR 70

Blowing properties at different pressures (kPa)

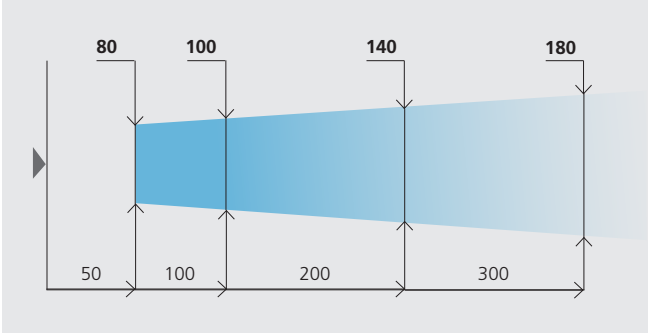
920 A	200	400	600	800	1000
Blowing force (N)	2.0	4.3	7.0	9.2	11.4
Air consumption (Nm³/h)	12.0	25.0	38.0	50.1	62.0
Sound level (dB(A))	72.0	79.1	83.3	86.6	88.4

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

920 B

SILVENT 920 B: with 1/8" female connection thread. Same performance as 920 A.

294

SILVENT 294: nozzle mounted on a Flexarm for applications that require continuous resetting or adjustment of the blowing angle. The Flexarm is supplied complete with a magnetic base. Otherwise, same performance as 920 A.

230 F

SILVENT 220 F - 250 F: nozzle mounted on a bendable FlexBlow hose. Keeps desired position even at high pressure. Available in 4 different standard lengths. The FlexBlow hose has a 1/4" male connection thread. Same performance as 920 A.

SILVENT 9002W

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	6.0
Air consumption (Nm³/h)	30
Sound level (dB(A))	80
Nozzle technology	Laval
Material (nozzle)	ZYTEL
Connection	G 1/4"
Weight (g)	25
Max temp (°C)	180
Max op. pressure (MPa)	1.0

- **Flat nozzle (ZYTEL)**

SILVENT 9002W: an energy-efficient flat nozzle that generates a strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this flat nozzle, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. The air nozzle – SILVENT 9002W – is made exclusively of Zytel, a high-performance material without which the unique and truly complex Laval orifices would not be possible. These small orifices combined with the aerodynamic slots of the nozzle provide high efficiency.

Noise reduction **22 dB(A)** | **Energy savings** **37 Nm³/h**

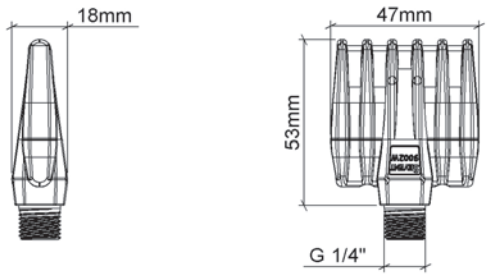
Feed pressure = 500 (kPa)
Material specification: Zytel HTN FG52G35 HSL BK011, Desmopan 487, EN 10088-3

Blowing properties at different pressures (kPa)

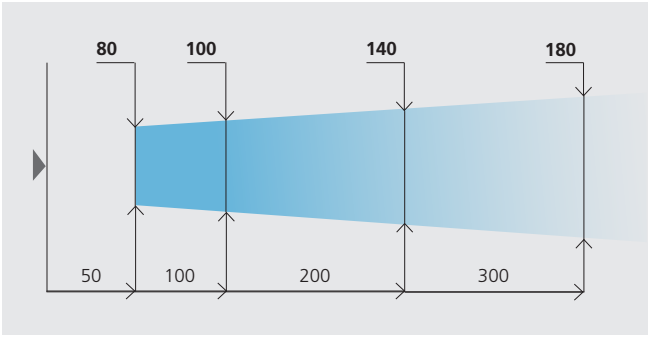
9002W	200	400	600	800	1000
Blowing force (N)	2.5	4.9	7.1	9.3	11.5
Air consumption (Nm³/h)	16.0	25.0	34.0	43.0	52.0
Sound level (dB(A))	71.3	78.0	82.0	85.0	87.2

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

230 W

SILVENT 220 W – 250 W has the nozzle mounted on a bendable FlexBlow hose which remains in the desired position during blowing, even at high pressure. Silvent's FlexBlow hoses are available in 4 different standard lengths. The FlexBlow hose has a male 1/4" connection thread. Otherwise its performance is similar to the 9002W.

231 W

SILVENT 221 W - 251 W: FlexBlow hose and nozzle mounted on a magnetic base. It allows quick and easy adjustment to the correct blowing angle. Maintains the desired position, even at high pressures. Available in 4 standard lengths. Otherwise, the same performance as 9002W.

294 W

SILVENT 294 W has the nozzle mounted on a flexarm considering the applications in which the blowing angle is continuously adjusted or changed. The flexarm comes complete with magnetic base. Otherwise its performance is similar to the 9002W.

SILVENT 9002W-S

- **Stainless steel flat nozzle**

SILVENT 9002W-S: an energy-efficient flat stainless steel nozzle that generates a strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this flat nozzle, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. These small orifices combined with the aerodynamic slots of the nozzle provide high efficiency.

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	5.5
Air consumption (Nm³/h)	28
Sound level (dB(A))	78
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	80
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **24 dB(A)** **Energy savings** **39 Nm³/h**

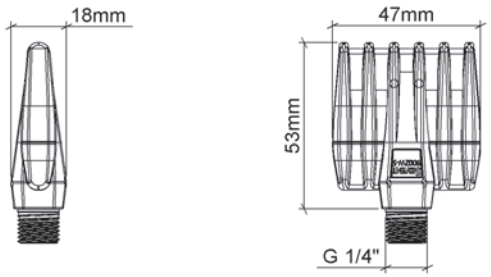
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

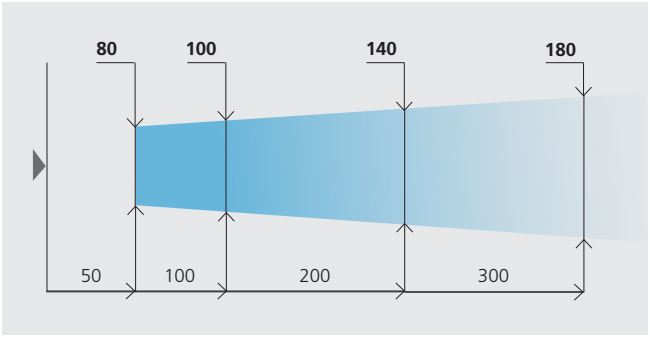
9002W-S	200	400	600	800	1000
Blowing force (N)	2.8	4.6	6.4	8.1	9.8
Air consumption (Nm³/h)	15.0	23.0	31.0	40.0	49.0
Sound level (dB(A))	71.0	76.0	79.0	82.0	84.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

9002W-S-300

SILVENT 9002W-S-200 - 9002W-S-500: nozzle mounted on a bendable stainless steel FlexBlow hose that keeps the desired position, even when blowing at high pressure. Available in 4 different standard lengths. The FlexBlow hose has a 1/4" male connection thread. Otherwise, the same performance as 9002W-S.

AIR KNIVES

SILVENT 396W-S. See page 103.

ACCESSORIES

Adjustable Swivel
PSK 14. Material: stainless steel.
For more information see page 156.

SILVENT 9002W-S+

- **Stainless steel flat nozzle**

SILVENT 9002W-S+: an energy-efficient flat stainless steel nozzle that generates an extra strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this flat nozzle, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. These small orifices combined with the aerodynamic slots of the nozzle provide high efficiency.

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	7.5
Air consumption (Nm³/h)	37.5
Sound level (dB(A))	83
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	80
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **19 dB(A)** **Energy savings** **29 Nm³/h**

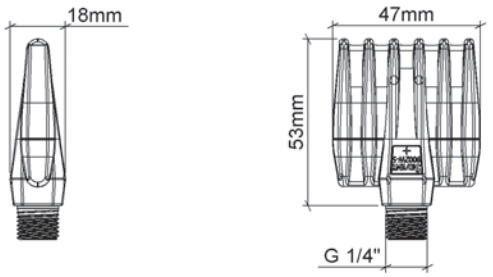
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

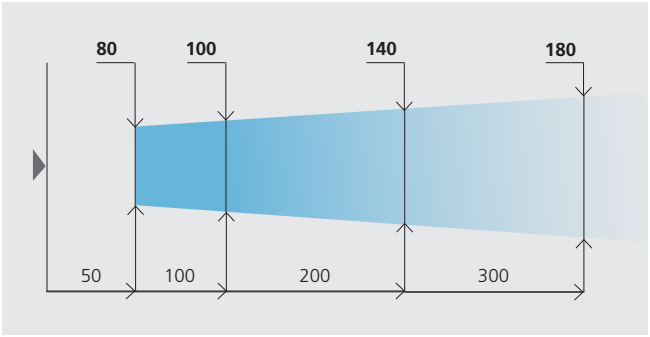
9002W-S+	200	400	600	800	1000
Blowing force (N)	3.3	6.2	8.9	11.7	14.4
Air consumption (Nm³/h)	19.0	32.0	45.0	58.0	71.0
Sound level (dB(A))	74.0	82.0	85.0	88.0	90.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

9002W-S+-300

SILVENT 9002W-S+-200 - 9002W-S+-500: nozzle mounted on a bendable stainless steel FlexBlow hose that keeps the desired position, even when blowing at high pressure. Available in 4 different standard lengths. The FlexBlow hose has a 1/4" male connection thread. Otherwise, the same performance as 9002W-S+.

ACCESSORIES

Adjustable Swivel
PSK 14. Material: stainless steel.
For more information see page 156.

SILVENT X03

NEW!

InTech

- **Stainless steel multi-Laval nozzle**

SILVENT X03 is a stainless steel blowing nozzle with patented multi-Laval technology. The energy saving blowing nozzle is part of Silvent's revolutionary new X-series. The nozzle in the new X series has a completely new and innovative design that creates a concentrated jet of air with reduced turbulence, thus enabling a more targeted, effective blowing force. Thanks to the newly patented technology, the air nozzle's design optimizes the air pressure's change from potential energy to aimed concentrated kinetic energy. This allows for maximal use of the air pressure. SILVENT X03 has about three times more blowing force than SILVENT X01. The unique design makes it possible to reduce noise levels during blowing by more than 10dB(A). The blowing nozzle is perfect for environments with high cleanliness requirements, such as the food industry. The nozzle has a 1/4" connection.

TECHNICAL DATA

Replace open pipe Ø (mm)	7
Blowing force (N)	10.0
Air consumption (Nm³/h)	53
Sound level (dB(A))	89
Nozzle technology	Multi-Laval
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	13
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **16** **dB(A)** | **Energy savings** **39** **Nm³/h**

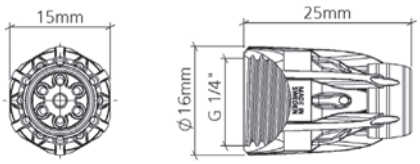
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

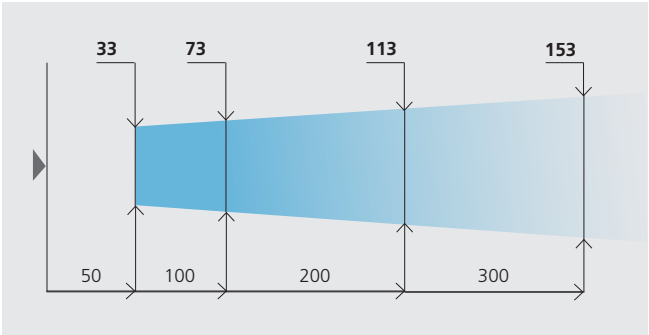
X03	200	400	600	800	1000
Blowing force (N)	3.3	7.7	12.0	16.4	20.8
Air consumption (Nm³/h)	26.0	44.0	62.0	80.0	98.0
Sound level (dB(A))	82.0	87.0	91.0	93.0	95.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)

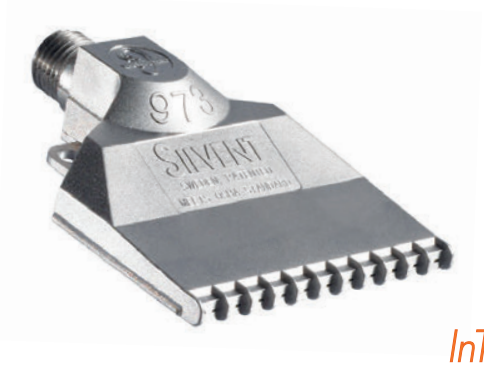


ALTERNATIVES

X03-300

SILVENT X03-200 - X03-500: nozzle mounted on a bendable stainless steel FlexBlow hose that keeps the desired position, even when blowing at high pressure. Available in 4 different standard lengths. The FlexBlow hose has a 1/4" male connection thread. Otherwise, the same performance as X03.

SILVENT 973



InTech

- **Stainless steel flat nozzle**

SILVENT 973: extra-broad flat nozzle of stainless steel. Meets virtually every demand industry places upon a modern air nozzle. The design of the nozzle creates an air stream with a broader striking surface - clearly an advantage when wide objects must be dried, sorted or cleaned. Capable of withstanding high ambient temperatures and corrosive chemical environments, as well as satisfying the hygienic requirements of the food processing industry.

TECHNICAL DATA

Replace open pipe Ø (mm)	7
Blowing force (N)	9.5
Air consumption (Nm³/h)	58
Sound level (dB(A))	86
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	118
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **19** dB(A) | **Energy savings** **34** Nm³/h

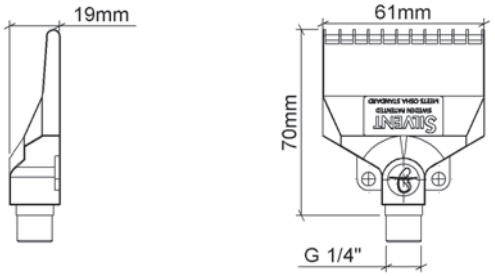
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

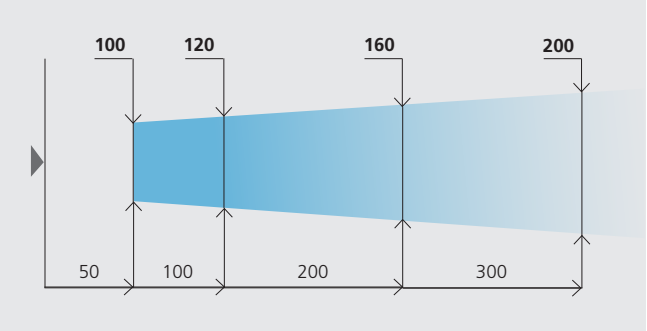
973	200	400	600	800	1000
Blowing force (N)	4.0	7.9	11.5	15.2	18.9
Air consumption (Nm³/h)	29.2	49.0	67.9	87.2	106.5
Sound level (dB(A))	76.7	84.0	87.6	90.5	92.6

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

973 F

SILVENT 973 F: with built-in flow regulation. Allows optimal utilization of compressed air. Adjusting the blowing force minimizes both energy consumption and the noise level. Otherwise, the same performance as 973.

AIR KNIVES

SILVENT 378. *See page 105.*

ACCESSORIES

Adjustable Swivel
PSK 14. Material: stainless steel.
For more information see page 156.

SILVENT 703

InTech

- **Stainless steel slot nozzle**

SILVENT 703: specially made entirely of stainless steel with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise level to a minimum. The high ambient temperatures of a glass works, the extreme blowing forces used in a steel mill or the stringent hygienic requirements of the food processing industry are examples of typical areas of application. Blowing force approximately 3 times stronger than SILVENT 701 (9.6 N (2.1 lbs)). Part of SILVENT's 700 series, together with 701, 705, 710 and 720.

TECHNICAL DATA

Replace open pipe Ø (mm)	7
Blowing force (N)	9.6
Air consumption (Nm³/h)	57
Sound level (dB(A))	89
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Weight (g)	54
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **16 dB(A)** **Energy savings** **35 Nm³/h**

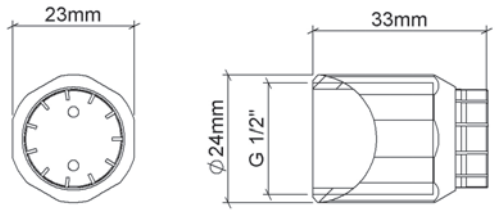
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

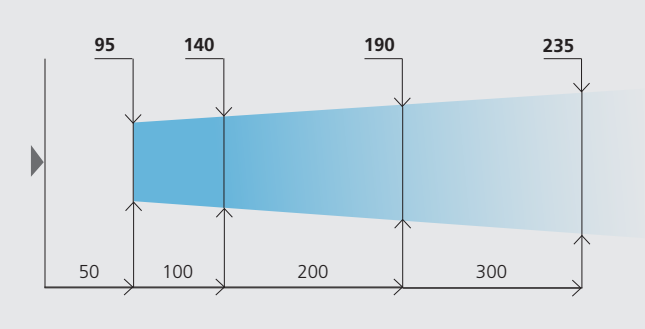
703	200	400	600	800	1000
Blowing force (N)	4.1	7.8	11.8	15.3	19.1
Air consumption (Nm³/h)	29.8	49.5	71.5	90.2	106.1
Sound level (dB(A))	83.0	87.0	90.8	93.0	94.6

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

703 A

SILVENT 703 A: adjustable variation of 703. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 703.

703 LP

SILVENT 703 LP has a male ½" BSP connection thread. Otherwise its performance is similar to the 703. Size: Ø 23x20 mm (Ø0.91x0.79").

SILVENT 703 L

InTech

- **Stainless steel Laval nozzle**

SILVENT 703 L is a stainless steel Laval nozzle. Compressed air is optimally used in this air nozzle, which introduced a whole new dimension to blowing technology. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The core stream in the 703 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after it has passed through the nozzle. Because of the protective sheath of air, the surrounding air does not slow down the core stream, which can be used to full effect. The air flow prevents turbulence, thereby lowering noise levels.

TECHNICAL DATA

Replace open pipe Ø (mm)	8
Blowing force (N)	10.6
Air consumption (Nm³/h)	60
Sound level (dB(A))	91
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Weight (g)	50
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **17** **dB(A)** | **Energy savings** **58** **Nm³/h**

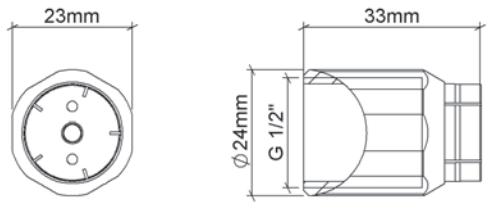
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

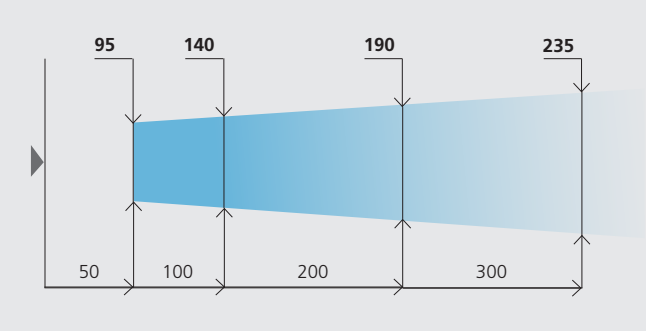
703 L	200	400	600	800	1000
Blowing force (N)	4.3	8.2	13.02	17.2	21.7
Air consumption (Nm³/h)	27.0	48.3	70.1	93.0	114.9
Sound level (dB(A))	87.8	90.0	92.8	95.2	97.2

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

703 LA

SILVENT 703 LA is an adjustable version of the 703 L. The adjustable blowing angle allows a maximum of 30° adjustability around the center line. Otherwise its performance is similar to the 703 L.

703 L LP

SILVENT 703 L LP has a male ½" BSP connection thread. Otherwise its performance is similar to the 703 L. Size: Ø23x20 mm (Ø0.91x0.79").

SILVENT 804

TECHNICAL DATA

Replace open pipe Ø (mm)	8
Blowing force (N)	12.0
Air consumption (Nm³/h)	70
Sound level (dB(A))	90
Nozzle technology	Laval
Material (nozzle)	EPDM
Connection	G 3/8"
Weight (g)	27
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **18** **dB(A)** | **Energy savings** **48** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EPDM 80, EN 1.4305

- **Scratch-free EPDM Laval nozzle**

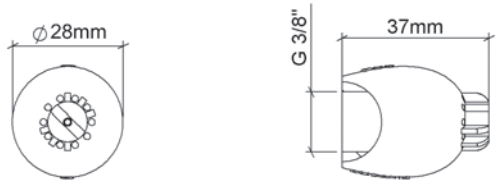
SILVENT 804: an energy-efficient Laval nozzle that is part of Silvent's new "SILVENT SOFT™" series. The air nozzle is specially made in EPDM rubber to minimize the risk of scratches, such as on the surface of tools. The product meets the unique combination of demands for a scratch-free surface and high blowing force by applying Silvent's patented Laval technology. Silvent Laval technology is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The SILVENT SOFT 804 is ideal for all industries in which equipment and products are handled that cannot be damaged during compressed air blowing.

Blowing properties at different pressures (kPa)

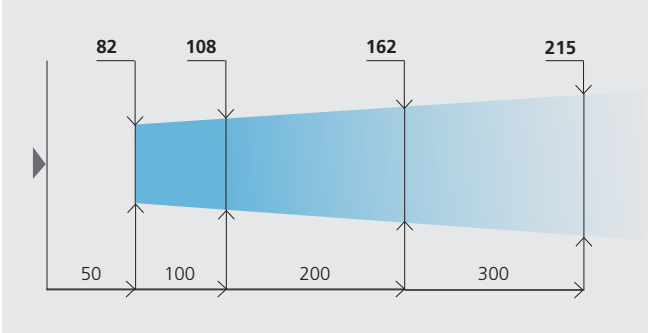
804	200	400	600	800	1000
Blowing force (N)	4.8	9.7	15.0	19.5	24.5
Air consumption (Nm³/h)	35.2	58.9	81.8	105.0	127.8
Sound level (dB(A))	82.2	88.2	92.3	95.4	97.5

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



SILVENT 404 L

- **Multi-blowing Laval nozzle (zinc)**

SILVENT 404 L: for a broader air cone and high force with the lowest noise level possible. Perfect for ejection of parts from punch presses and molds. Drying, cleaning, transport and cooling are other areas of application for this product.

TECHNICAL DATA

Replace open pipe Ø (mm)	8
Blowing force (N)	13.6
Air consumption (Nm³/h)	68
Sound level (dB(A))	84
Nozzle technology	Laval
Material (nozzle)	Zn
Connection	G 3/8"
Weight (g)	292
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **24** **dB(A)** **Energy savings** **50** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EN AW 2011 08, CW614N, Zn ZP0410 EN 12844

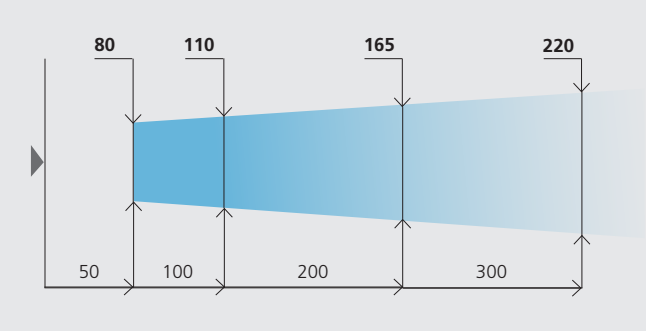
Blowing properties at different pressures (kPa)

404 L	200	400	600	800	1000
Blowing force (N)	5.6	10.8	16.4	21.9	27.0
Air consumption (Nm³/h)	36.0	57.2	80.8	104.3	125.4
Sound level (dB(A))	76.0	81.5	84.7	89.0	92.0

For further information, see page 166 or visit silvent.com.

Dimensions

Blowing coverage (mm)



SILVENT 705

InTech

- **Stainless steel slot nozzle**

SILVENT 705: specially made entirely of stainless steel with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise level to a minimum. Blowing force approximately 5 times stronger than SILVENT 701 (15 N (3.3 lbs)). Used in industries that require high blowing forces, e.g. steel mills. Withstands high ambient temperatures. Part of SILVENT's 700 series together with 701, 703, 710 and 720.

TECHNICAL DATA

Replace open pipe Ø (mm)	10
Blowing force (N)	15.0
Air consumption (Nm³/h)	95
Sound level (dB(A))	92
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Weight (g)	54
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **20** **dB(A)** | **Energy savings** **90** **Nm³/h**

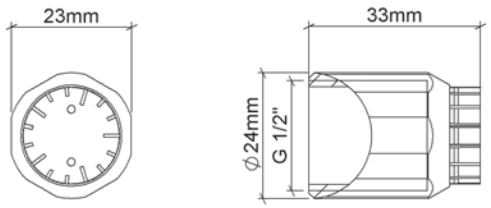
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

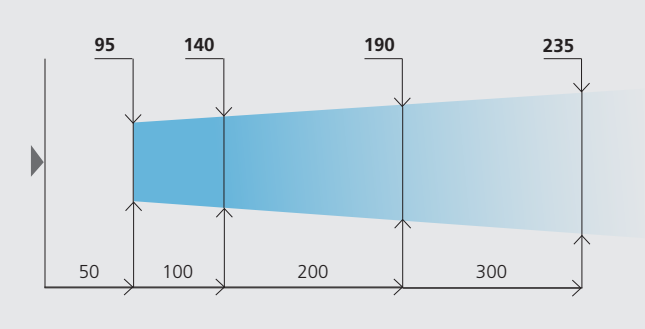
705	200	400	600	800	1000
Blowing force (N)	6.3	12.1	18.3	24.0	30.0
Air consumption (Nm³/h)	49.8	82.0	114.0	149.0	180.0
Sound level (dB(A))	85.6	90.6	95.0	97.6	100.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

705 A

SILVENT 705 A: adjustable variation of 705. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 705.

705 LP

SILVENT 705 LP has a male ½" BSP connection thread. Otherwise its performance is similar to the 705. Size: Ø 23x20 mm (Ø0.91x0.79").

SILVENT 2005

- **Slot nozzle (aluminum)**

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

TECHNICAL DATA

Replace open pipe Ø (mm)	10
Blowing force (N)	14.5
Air consumption (Nm³/h)	98
Sound level (dB(A))	94
Nozzle technology	Slot
Material (nozzle)	Al
Connection	G 3/8"
Weight (g)	12
Max temp (°C)	150
Max op. pressure (MPa)	1.0

Noise reduction **18** **dB(A)** | **Energy savings** **87** **Nm³/h**

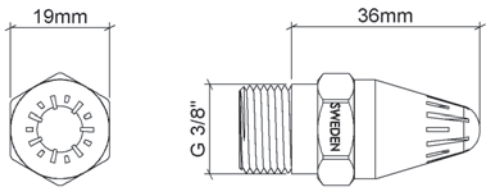
Feed pressure = 500 (kPa)
Material specification: EN AB 44300

Blowing properties at different pressures (kPa)

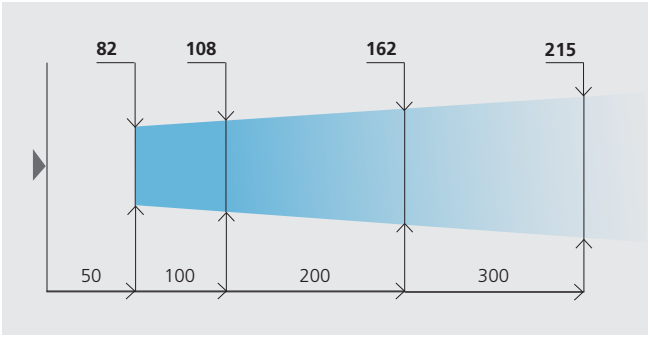
2005	200	400	600	800	1000
Blowing force (N)	6.6	12.2	17.8	23.4	29.0
Air consumption (Nm³/h)	48.5	81.1	114.0	146.8	179.6
Sound level (dB(A))	82.8	90.0	94.4	97.4	99.3

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



SILVENT 9005W

TECHNICAL DATA	9005W
Replace open pipe Ø (mm)	10
Blowing force (N)	15.0
Air consumption (Nm³/h)	76
Sound level (dB(A))	87
Nozzle technology	Laval
Material (nozzle)	ZYTEL
Connection	G 1/4"
Weight (g)	35
Max temp (°C)	180
Max op. pressure (MPa)	1.0

- **Flat nozzle (ZYTEL)**

SILVENT 9005W: an energy-efficient flat nozzle that generates a strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this flat nozzle, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. The air nozzle – SILVENT 9005W – is made exclusively of Zytel, a high-performance material without which the unique and truly complex Laval orifices would not be possible. These small orifices combined with the aerodynamic slots of the nozzle provide high efficiency. The nozzle is ideal for blowing applications that require extra blowing force and an extra wide air cone.

Noise reduction **25** **dB(A)**

Energy savings **109** **Nm³/h**

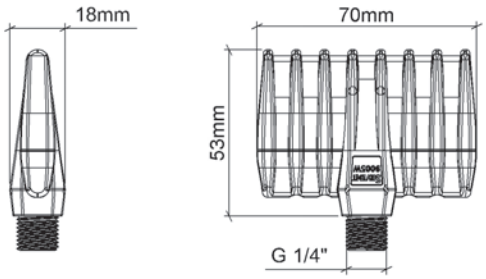
Feed pressure = 500 (kPa)
Material specification: Zytel HTN FG52G35 HSL BK011, Desmopan 487, EN 10088-3

Blowing properties at different pressures (kPa)

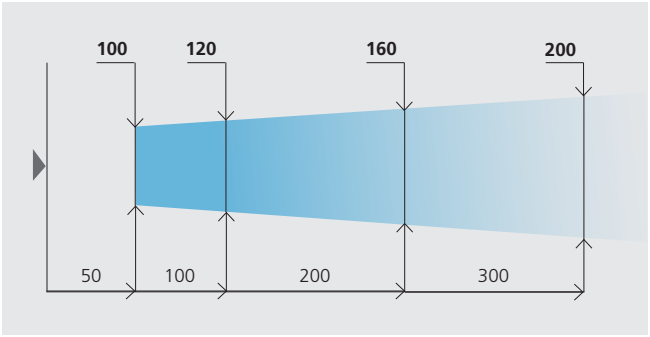
9005W	200	400	600	800	1000
Blowing force (N)	6.7	12.4	18.1	23.8	29.5
Air consumption (Nm³/h)	40.0	64.0	88.0	112.0	136.0
Sound level (dB(A))	79.0	85.5	89.1	91.3	92.7

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ACCESSORIES

Adjustable Swivel
PSK 14. Material: stainless steel.
For more information see page 156.

AIR KNIVES

SILVENT 310 Z+. See page 98.

SILVENT 705 L

InTech

- **Stainless steel Laval nozzle**

SILVENT 705 L: a stainless steel Laval nozzle. Compressed air is utilized optimally in this nozzle, and its introduction constitutes a new dimension in blowing technology. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The central stream of air in the Silvent 705 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after leaving the nozzle. The protective sheath of air prevents the core stream from being slowed down by the surrounding air and allows it to be utilized at full effect. This hinders the creation of turbulence and thereby lowers the noise level.

TECHNICAL DATA	705 L
Replace open pipe Ø (mm)	10
Blowing force (N)	17.0
Air consumption (Nm³/h)	95
Sound level (dB(A))	93
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Weight (g)	51
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **19** **dB(A)** | **Energy savings** **90** **Nm³/h**

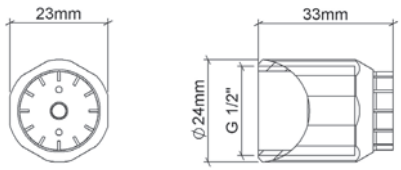
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

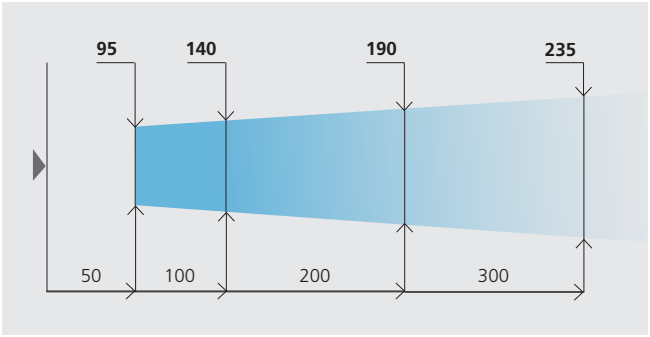
705 L	200	400	600	800	1000
Blowing force (N)	6.5	13.1	20.2	27.1	33.9
Air consumption (Nm³/h)	43.1	78.0	111.2	145.8	181.1
Sound level (dB(A))	86.0	91.2	94.0	96.1	97.6

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

705 LA

SILVENT 705 LA: adjustable variation of 705 L. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 705 L.

705 L LP

SILVENT 705 L LP has a male ½" BSP connection thread. Otherwise its performance is similar to the 705 L. Size: Ø23x20 mm (Ø0.91x0.79").

AIR KNIVES

SILVENT AirPlow. See page 92.

SILVENT X07

- **Stainless steel multi-Laval nozzle**

SILVENT X07 is a stainless steel blowing nozzle with patented multi-Laval technology, developed for applications requiring a strong blowing force. The energy saving blowing nozzle is part of Silvent's revolutionary new X-series. The SILVENT X07 has a completely new and innovative design that creates a concentrated jet of air with reduced turbulence, thus enabling a more targeted, effective blowing force. Thanks to the newly patented technology, the air nozzle's design optimizes the air pressure's change from potential energy to aimed concentrated kinetic energy. This allows for maximal use of the air pressure. SILVENT X07 has approximately seven times the blowing force of SILVENT X01. The unique design makes it possible to reduce noise levels during blowing by more than 10dB(A). The blowing nozzle is perfect for environments that demand strong blowing forces, such as steel plants and paper mills.

TECHNICAL DATA

Replace open pipe Ø (mm)	12
Blowing force (N)	22.5
Air consumption (Nm³/h)	120
Sound level (dB(A))	96
Nozzle technology	Multi-Laval
Material (nozzle)	1.4404 (316L)
Connection	G 1/2"
Weight (g)	47
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **20** **dB(A)** **Energy savings** **146** **Nm³/h**

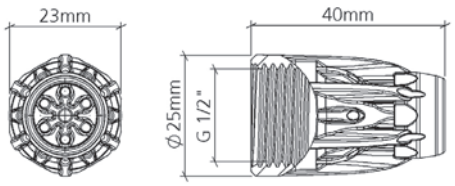
Feed pressure = 500 (kPa)
Material specification: EN 1.4404

Blowing properties at different pressures (kPa)

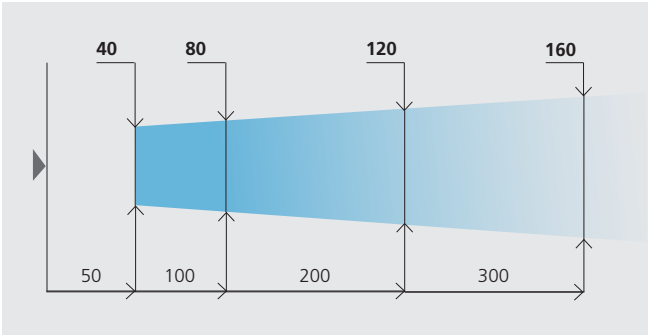
X07	200	400	600	800	1000
Blowing force (N)	8.7	17.9	27.0	36.2	45.3
Air consumption (Nm³/h)	64.0	101.0	142.0	180.0	219.0
Sound level (dB(A))	92.1	94.4	95.9	96.8	97.2

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

X07-300

SILVENT X07-300 - X07-500: nozzle mounted on a bendable stainless steel FlexBlow hose that keeps the desired position, even when blowing at high pressure. Available in 3 different standard lengths. The FlexBlow hose has a 1/2" male connection thread. Otherwise, the same performance as X07.

X07 M

SILVENT X07 M has a male ½" connection thread. Otherwise its performance is similar to the X07. Size: Ø25x61.5 (Ø0.98x2.42").

ACCESSORIES

Adjustable Swivel
PSKM 12. Material: stainless steel.
For more information see page 156.

SILVENT 707 L

InTech

- **Stainless steel Laval nozzle**

SILVENT 707 L: a stainless steel Laval nozzle. Compressed air is utilized optimally in this nozzle and its introduction constitutes a new dimension in blowing technology. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The central stream of air in the SILVENT 707 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after leaving the nozzle. The protective sheath of air prevents the core stream from being slowed down by the surrounding air and allows it to be utilized at full effect. This hinders the creation of turbulence and thereby lowers the noise level.

TECHNICAL DATA

Replace open pipe Ø (mm)	12
Blowing force (N)	21.0
Air consumption (Nm³/h)	120
Sound level (dB(A))	94
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Weight (g)	50
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **22** **dB(A)** **Energy savings** **146** **Nm³/h**

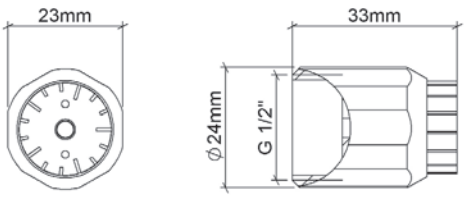
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

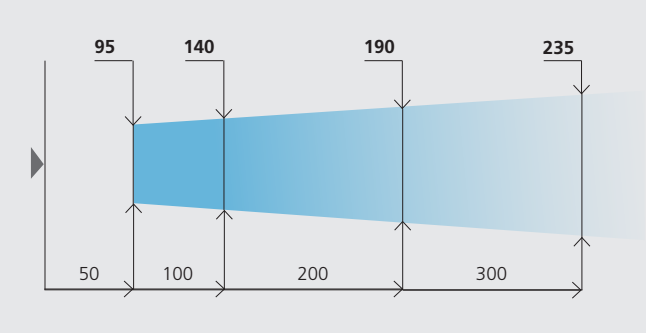
707 L	200	400	600	800	1000
Blowing force (N)	9.0	16.9	25.0	33.2	40.9
Air consumption (Nm³/h)	60.9	99.8	139.1	176.9	219.8
Sound level (dB(A))	87.8	92.3	95.1	97.0	98.6

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

707 LA

SILVENT 707 LA: adjustable variation of 707 L. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 707 L.

707 L LP

SILVENT 707 L LP has a male ½" BSP connection thread. Otherwise its performance is similar to the 707 L. Size: Ø23x20 mm (Ø0.91x0.79").

SILVENT 707 C

InTech

- **Stainless steel slot nozzle**

SILVENT 707 C: with aerodynamic slots to optimize compressed air consumption and minimize the noise level. The extra slot nozzle in the center accelerates air velocity and increases the blowing force. Suitable for applications that require a greater concentration of force in the center of the object to be cleaned, dried, etc.

TECHNICAL DATA

Replace open pipe Ø (mm)	12
Blowing force (N)	19.2
Air consumption (Nm³/h)	120
Sound level (dB(A))	93
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 1/2"
Weight (g)	46
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **23** **dB(A)** **Energy savings** **146** **Nm³/h**

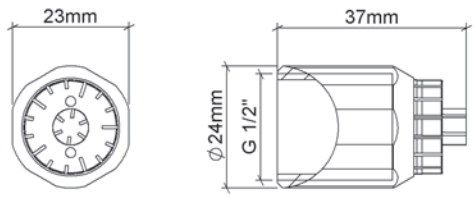
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

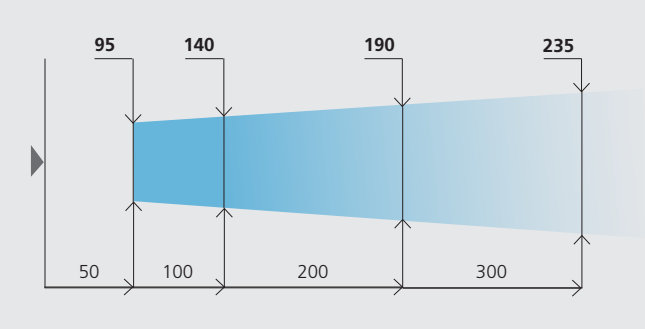
707 C	200	400	600	800	1000
Blowing force (N)	8.1	15.3	23.6	31.0	38.7
Air consumption (Nm³/h)	62.7	103.3	145.0	183.5	224.0
Sound level (dB(A))	85.8	91.4	94.8	98.1	99.8

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

707 CA

SILVENT 707 CA: adjustable variation of 707 C. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 707 C.

707 C LP

SILVENT 707 C LP has a male ½" BSP connection thread. Otherwise its performance is similar to the 707 C. Size: Ø23x24 mm (Ø0.91x0.94").

SILVENT 407 L

- **Multi-blowing Laval nozzle (zinc)**

SILVENT 407 L: for operations that require high blowing force, broad coverage, or longer blowing range with the lowest noise level possible. Typical areas of application include use in steel mills, paper mills and foundries for cleaning, cooling, drying, etc.

TECHNICAL DATA

Replace open pipe Ø (mm)	12
Blowing force (N)	23.8
Air consumption (Nm³/h)	119
Sound level (dB(A))	86
Nozzle technology	Laval
Material (nozzle)	Zn
Connection	G 1/2"
Weight (g)	496
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **30** **dB(A)** **Energy savings** **147** **Nm³/h**

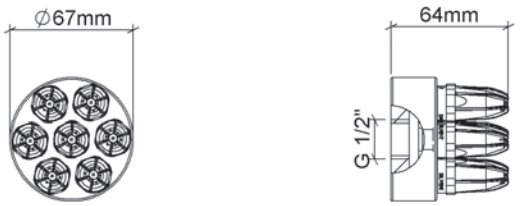
Feed pressure = 500 (kPa)
Material specification: EN AW 2011 08, CW614N, Zn ZP0410 EN 12844

Blowing properties at different pressures (kPa)

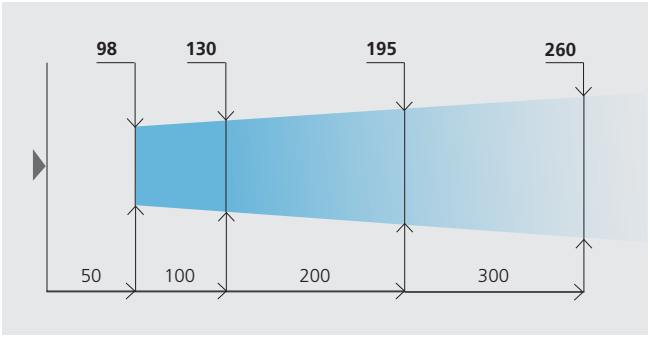
407 L	200	400	600	800	1000
Blowing force (N)	9.5	19.3	29.0	38.9	47.7
Air consumption (Nm³/h)	52.8	96.7	139.0	182.6	223.7
Sound level (dB(A))	78.5	84.0	87.3	91.5	94.5

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



SILVENT 808

TECHNICAL DATA

Replace open pipe Ø (mm)	12
Blowing force (N)	24.0
Air consumption (Nm³/h)	128
Sound level (dB(A))	96
Nozzle technology	Laval
Material (nozzle)	EPDM
Connection	G 1/2"
Weight (g)	53
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **20** **dB(A)** **Energy savings** **138** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EPDM 80, EN 1.4305

- **Scratch-free EPDM Laval nozzle**

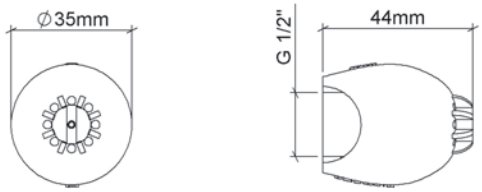
SILVENT 808: an energy-efficient Laval nozzle that is part of Silvent's new "SILVENT SOFT™" series. The air nozzle is specially made in EPDM rubber to minimize the risk of scratches, such as on the surface of tools. The product meets the unique combination of demands for a scratch-free surface and high blowing force by applying Silvent's patented Laval technology. Silvent Laval technology is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The SILVENT SOFT 808 is ideal for all industries in which equipment and products are handled that cannot be damaged during compressed air blowing.

Blowing properties at different pressures (kPa)

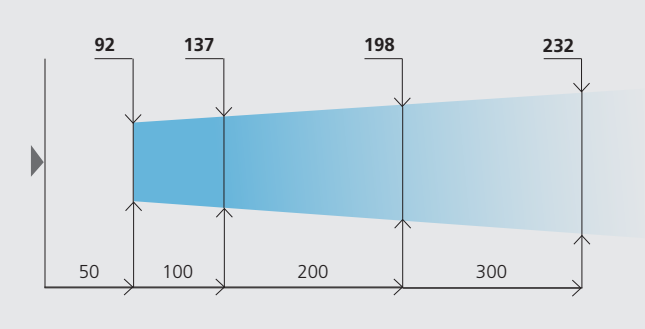
808	200	400	600	800	1000
Blowing force (N)	9.2	18.8	29.2	39.0	49.8
Air consumption (Nm³/h)	57.4	102.5	154.0	204.0	255.0
Sound level (dB(A))	86.5	93.8	98.0	100.6	102.3

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ACCESSORIES

FlexBlow Hose
FB12-300. Robust flexblow hose in stainless steel, with 1/2" thread at both ends.
For more information see page 160.

SILVENT 710

InTech

- **Stainless steel slot nozzle**

SILVENT 710: specially made entirely of stainless steel with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise level to a minimum. Blowing force approx. 10 times stronger than SILVENT 701 (30.0 N (6.6 lbs)).The high ambient temperatures of a glass works, the extreme blowing forces used in a steel mill or the stringent hygienic requirements of the food processing industry are examples of typical areas of application. Part of SILVENT's 700 series, together with 701, 703, 705 and 720.

TECHNICAL DATA

Replace open pipe Ø (mm)	14
Blowing force (N)	30.0
Air consumption (Nm³/h)	216
Sound level (dB(A))	99
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 3/4"
Weight (g)	220
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **20** **dB(A)** **Energy savings** **147** **Nm³/h**

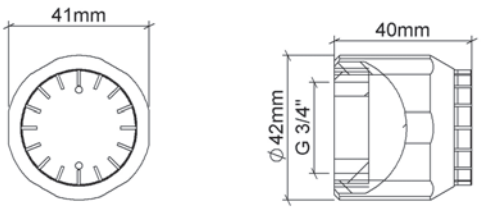
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

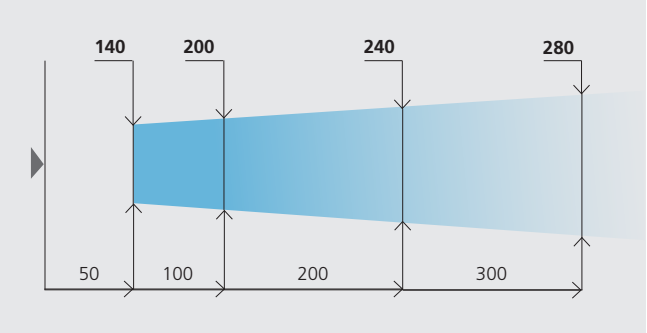
710	200	400	600	800	1000
Blowing force (N)	11.8	23.6	35.0	47.3	58.3
Air consumption (Nm³/h)	93.0	175.0	250.0	340.1	412.0
Sound level (dB(A))	91.1	96.7	100.7	103.5	105.4

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

710 A

SILVENT 710 A: adjustable variation of 710. Allows up to 30° blowing angle adjustment from the centerline. Same performance as 710.

710 LP

SILVENT 710 LP has a male M36x1.5 connection thread. Otherwise its performance is similar to the 710. Size: Ø41x20 mm (Ø1.61x0.79").

710 TA

SILVENT 710 TA: adjustable variation of 710. Allows up to 20° blowing angle regulation from the centerline. Same mounting dimensions as 710. Same performance as 710.

SILVENT 710 L

InTech

- **Stainless steel Laval nozzle**

SILVENT 710 L: with a stainless steel Laval nozzle. Compressed air is utilized optimally in this nozzle, and its introduction constitutes a new dimension in blowing technology. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The central stream of air in the SILVENT 710 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after it has passed through the nozzle. The protective sheath of air prevents the core stream from being slowed down by the surrounding air and allows it to be utilized at full effect. Turbulence is minimized, thereby lowering the noise level.

TECHNICAL DATA

Replace open pipe Ø (mm)	14
Blowing force (N)	33.0
Air consumption (Nm³/h)	216
Sound level (dB(A))	100
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 3/4"
Weight (g)	261
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **19 dB(A)** **Energy savings** **147 Nm³/h**

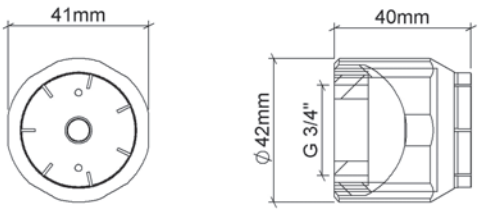
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

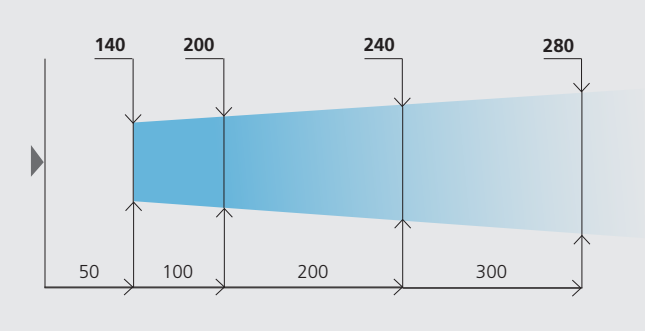
710 L	200	400	600	800	1000
Blowing force (N)	15.1	27.2	39.1	51.4	63.9
Air consumption (Nm³/h)	104.0	179.0	250.0	337.0	400.0
Sound level (dB(A))	92.8	97.5	101.6	104.9	106.5

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

710 LA

SILVENT 710 LA: adjustable variation of 710 L. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 710 L.

710 L LP

SILVENT 710 L LP has a male M36x1.5 connection thread. Otherwise its performance is similar to the 710 L. Size: ⬡41x20 mm (⬡1.61x0.79").

710 L TA

SILVENT 710 L TA is an adjustable version of the 710 L. The adjustable blowing angle allows a maximum of 20° adjustability around the center line. Same built-in dimensions as the 710 L. Otherwise its performance is similar to the 710 L.

SILVENT 412 L

- **Multi-blowing Laval nozzle (zinc)**

SILVENT 412 L: for operations that require high blowing force, broad coverage, or longer blowing range with the lowest noise level possible. Typical areas of application include use in steel mills, paper mills and foundries for cleaning, cooling, drying, etc.

TECHNICAL DATA

Replace open pipe Ø (mm)	16
Blowing force (N)	40.8
Air consumption (Nm³/h)	204
Sound level (dB(A))	88
Nozzle technology	Laval
Material (nozzle)	Zn
Connection	G 3/4"
Weight (g)	936
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **34** **dB(A)** **Energy savings** **270** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EN AW 2011 08, CW614N, Zn ZP0410 EN 12844

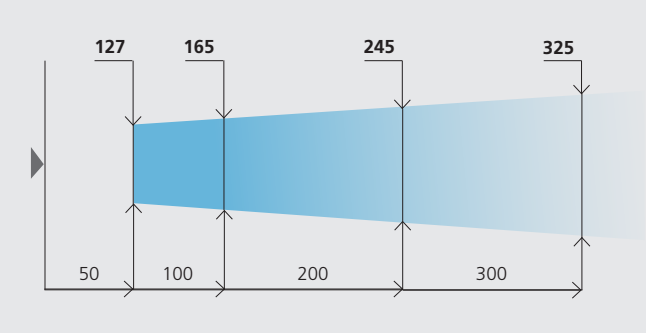
Blowing properties at different pressures (kPa)

412 L	200	400	600	800	1000
Blowing force (N)	16.3	31.7	48.5	60.4	74.2
Air consumption (Nm³/h)	97.7	167.8	236.8	313.2	386.9
Sound level (dB(A))	80.8	86.3	89.5	93.8	96.8

For further information, see page 166 or visit silvent.com.

Dimensions

Blowing coverage (mm)



SILVENT 715 C

InTech

- **Stainless steel slot nozzle**

SILVENT 715 C: with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise level to a minimum. Blowing force approximately 15 times stronger than SILVENT 701 (45.0 N (9.9 lbs)). For applications requiring more concentrated force on the center of the object to be cleaned, dried, cooled, transported, etc. The extra slot nozzle in the middle increases air velocity and thereby blowing force, while retaining the air cone pattern of a SILVENT 710. Specially made entirely of stainless steel. Part of SILVENT's 700 C series, together with 707 C and 730 C.

TECHNICAL DATA

Replace open pipe Ø (mm)	17
Blowing force (N)	45.0
Air consumption (Nm³/h)	311
Sound level (dB(A))	100
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 3/4"
Weight (g)	220
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **23** **dB(A)** **Energy savings** **225** **Nm³/h**

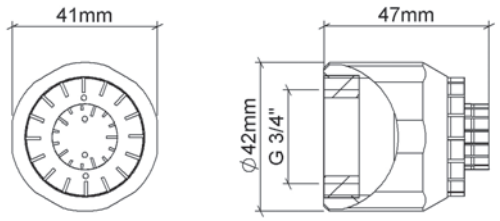
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

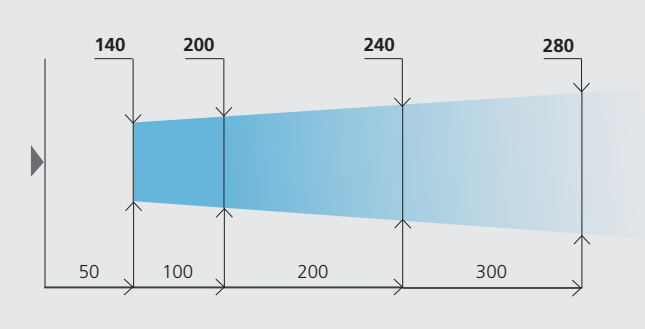
715 C	200	400	600	800	1000
Blowing force (N)	18.1	35.7	53.3	71.2	88.9
Air consumption (Nm³/h)	142.8	257.0	364.0	476.4	587.2
Sound level (dB(A))	92.1	97.6	101.7	103.0	104.5

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

715 CA

SILVENT 715 CA: adjustable variation of 715 C. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 715 C.

SILVENT 9015W

InTech

- **Flat nozzle (ZYTEL)**

SILVENT 9015W: an energy-efficient flat nozzle that generates a strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this flat nozzle, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. The air nozzle – SILVENT 9015W – is made exclusively of Zytel, a high-performance material without which the unique and truly complex Laval orifices would not be possible. These small orifices combined with the aerodynamic slots of the nozzle provide high efficiency.

TECHNICAL DATA

Replace open pipe Ø (mm)	17
Blowing force (N)	45.0
Air consumption (Nm³/h)	228
Sound level (dB(A))	94
Nozzle technology	Laval
Material (nozzle)	ZYTEL
Connection	G 1/2"
Weight (g)	155
Max temp (°C)	180
Max op. pressure (MPa)	1.0

Noise reduction **29** **dB(A)** **Energy savings** **308** **Nm³/h**

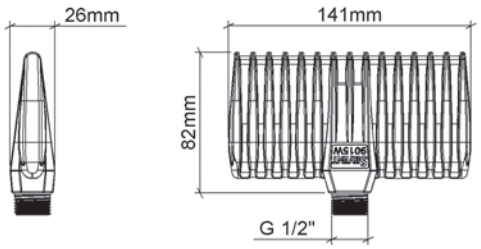
Feed pressure = 500 (kPa)
Material specification: Zytel HTN FG52G35 HSL BK011, Desmopan 487, EN 10088-3

Blowing properties at different pressures (kPa)

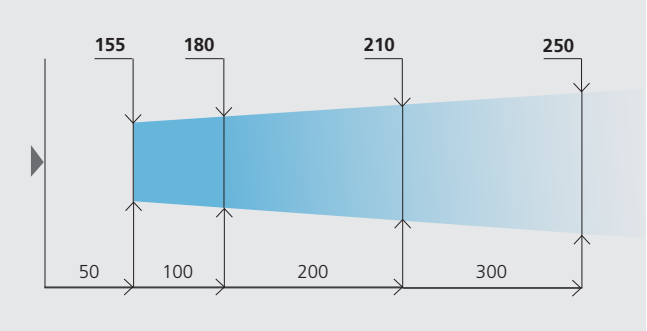
9015W	200	400	600	800	1000
Blowing force (N)	20.0	36.5	53.0	69.5	86.0
Air consumption (Nm³/h)	117.0	191.0	265.0	339.0	413.0
Sound level (dB(A))	85.7	92.1	95.8	96.8	97.4

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ACCESSORIES

FlexBlow Hose
FB12-300. Robust flexblow hose in stainless steel, with 1/2" thread at both ends.
For more information see page 160.

Adjustable Swivel
PSK 12. Material: stainless steel.
For more information see page 156.

SILVENT 715 L

InTech

- **Stainless steel Laval nozzle**

SILVENT 715 L: stainless steel Laval nozzle. Compressed air is utilized optimally in this nozzle, and its introduction constitutes a new dimension in blowing technology. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective film of air moving parallel to the central air jet. The central stream of air in the SILVENT 715 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after it has passed through the nozzle. The protective sheath of air prevents the core stream from being slowed down by the surrounding air and allows it to be utilized at full effect. Turbulence is minimized, thereby lowering the sound level.

TECHNICAL DATA

Replace open pipe Ø (mm)	18
Blowing force (N)	54.0
Air consumption (Nm³/h)	312
Sound level (dB(A))	104
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 3/4"
Weight (g)	225
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **20** **dB(A)** **Energy savings** **287** **Nm³/h**

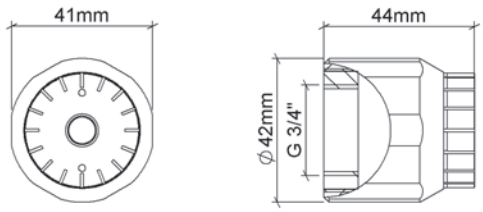
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

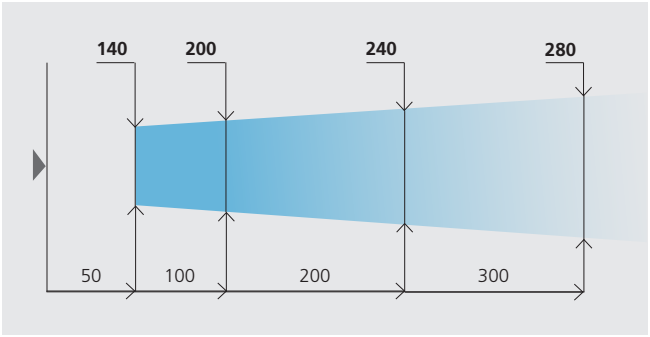
715 L	200	400	600	800	1000
Blowing force (N)	24.4	47.3	73.5	98.0	115.1
Air consumption (Nm³/h)	165.5	284.8	412.8	535.0	654.8
Sound level (dB(A))	97.9	103.4	107.7	111.2	112.7

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

715 LA

SILVENT 715 LA: an adjustable Laval nozzle. The nozzle position can be adjusted 30° from the centre line, making it easy to fine tune the blowing angle. Compressed air is utilized optimally in this nozzle, and its introduction constitutes a new dimension in blowing technology.

715 L LP

SILVENT 715 L LP has a male M36x1.5 connection thread. Otherwise its performance is similar to the 715 L. Size: Ø41x24 mm (Ø1.61x0.94").

SILVENT 720

InTech

- **Stainless steel slot nozzle**

SILVENT 720: specially made entirely of stainless steel with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise level to a minimum. Blowing force approx. 20 times stronger than SILVENT 701 (68.0 N (15.0 lbs)).The high ambient temperatures of a glass works, the extreme blowing forces used in a steel mill or the stringent hygienic requirements of the food processing industry are examples of typical areas of application. Part of SILVENT's 700 series, together with 701, 703, 705 and 710.

TECHNICAL DATA

Replace open pipe Ø (mm)	20
Blowing force (N)	68.0
Air consumption (Nm³/h)	420
Sound level (dB(A))	104
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 1"
Weight (g)	740
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **22** **dB(A)** **Energy savings** **320** **Nm³/h**

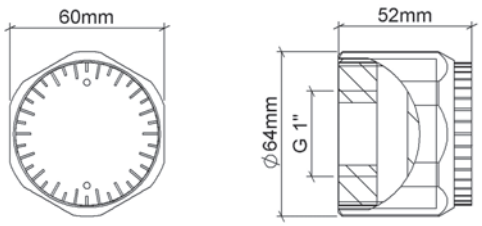
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

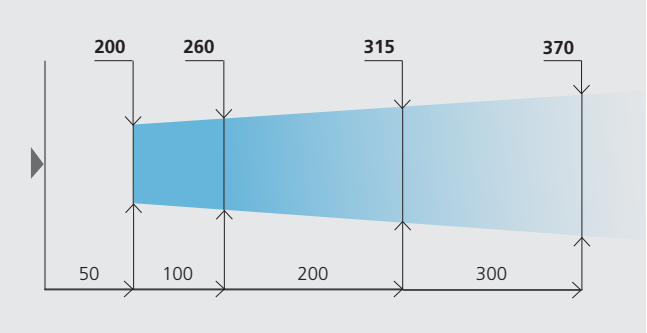
720	200	400	600	800	1000
Blowing force (N)	20.0	51.7	82.9	114.1	145.4
Air consumption (Nm³/h)	182.6	343.5	500.0	650.1	804.1
Sound level (dB(A))	96.1	101.2	105.0	107.3	109.8

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

720 A

SILVENT 720 A: an adjustable variation of 720. Adjustable blowing angle allows up to 30° adjustment from the centerline. The time required for installation and fine tuning of the blowing angle is decreased considerably as no fixed pipes need to be moved for adjustment. Adjustment of the blowing angle is often necessary in machines where the same manufacturing process is used to produce different parts. Otherwise, the same performance as 720.

SILVENT 730 C

InTech

- **Stainless steel slot nozzle**

SILVENT 730 C: with aerodynamic slots to allow optimal utilization of compressed air while keeping the noise level to a minimum. Blowing force approximately 30 times stronger than SILVENT 701 (98.0 N (21.6 lbs)). For applications requiring more concentrated force on the center of the object to be cleaned, dried, cooled, transported, etc. The extra slot nozzle in the middle increases air velocity and thereby blowing force, while retaining the air cone pattern of a SILVENT 720. Specially made entirely of stainless steel. Part of SILVENT's 700 C series, together with 707 C and 715 C.

TECHNICAL DATA

Replace open pipe Ø (mm)	25
Blowing force (N)	98.0
Air consumption (Nm³/h)	636
Sound level (dB(A))	105
Nozzle technology	Slot
Material (nozzle)	1.4305 (303)
Connection	G 1"
Weight (g)	696
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **26** **dB(A)** **Energy savings** **523** **Nm³/h**

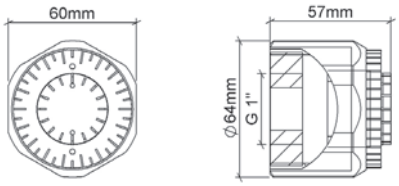
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

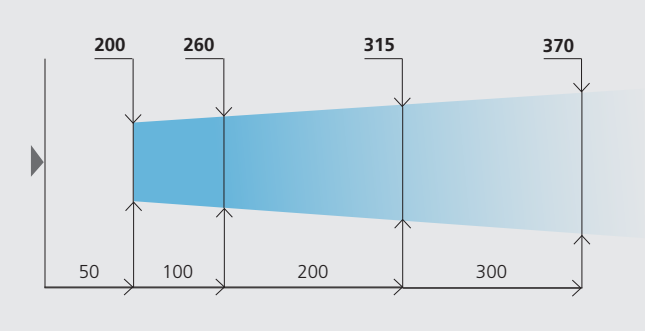
730 C	200	400	600	800	1000
Blowing force (N)	31.8	75.3	117.9	161.9	205.3
Air consumption (Nm³/h)	275.6	518.5	750.0	990.6	1228.3
Sound level (dB(A))	97.3	102.5	106.3	107.7	109.1

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

730 CA

SILVENT 730 CA: adjustable variation of 730 C. Allows up to 30° blowing angle adjustment from the centerline. Time required for installation and fine tuning of the blowing angle is decreased considerably. Same performance as 730 C.

SILVENT 735 L

InTech

- **Stainless steel Laval nozzle**

SILVENT 735 L: with a stainless steel Laval nozzle. Compressed air is utilized optimally in this nozzle, and its introduction constitutes a new dimension in blowing technology. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective film of air moving parallel to the central air jet. The central stream of air in the SILVENT 735 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after it has passed through the nozzle. The protective sheath of air prevents the core stream from being slowed down by the surrounding air and allows it to be utilized at full effect. Turbulence is minimized, thereby lowering the noise level. The entire nozzle is made of stainless steel, making it suitable for use in virtually any environment where extra high blowing forces are required, for example, within the paper and manufacturing industries, steel mills and chemical plants.

TECHNICAL DATA

Replace open pipe Ø (mm)	25
Blowing force (N)	127.0
Air consumption (Nm³/h)	768
Sound level (dB(A))	109
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1"
Weight (g)	690
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **22** **dB(A)** **Energy savings** **391** **Nm³/h**

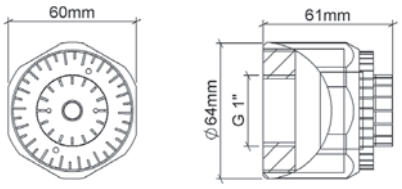
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

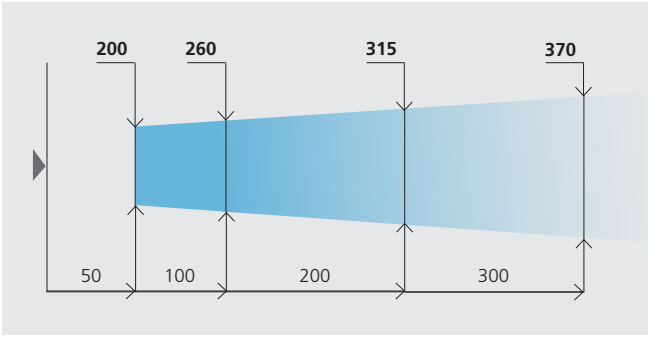
735 L	200	400	600	800	1000
Blowing force (N)	47.0	99.1	155.2	209.6	261.8
Air consumption (Nm³/h)	331.0	619.8	908.2	1180.5	1460.0
Sound level (dB(A))	101.1	106.5	110.4	112.2	113.4

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

735 LA

SILVENT 735 LA: an adjustable Laval nozzle. The nozzle position can be adjusted 30° from the centre line, making it easy to fine tune the blowing angle. Compressed air is utilized optimally in this nozzle, and its introduction constitutes a new dimension in blowing technology. Same performance as the 735 L.

SILVENT 745 L

NEW!

InTech

- **Stainless steel Laval nozzle**

SILVENT 745 L is a stainless steel Laval nozzle that optimally utilizes the compressed air, generating very high and concentrated blowing force. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective film of air moving parallel to the core stream.
The core stream of air in the SILVENT 745 L is generated by a Laval nozzle. The shape of the nozzle, in combination with compact and aerodynamic design, converts all of the energy stored in the compressed air into directed concentrated kinetic energy. The surrounding sheath of air protects the core stream and allows it to be utilized at full effect for a longer distance.
The shape of the nozzle also reduces turbulence, thereby lowering the noise level. The nozzle is developed for use in industries where extremely high and concentrated impact force is required, for example in hot rolling steel mills and paper mills.

TECHNICAL DATA

Replace open pipe Ø (mm)	25
Blowing force (N)	147.0
Air consumption (Nm³/h)	750
Sound level (dB(A))	118
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1"
Weight (g)	312
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **13** **dB(A)** **Energy savings** **409** **Nm³/h**

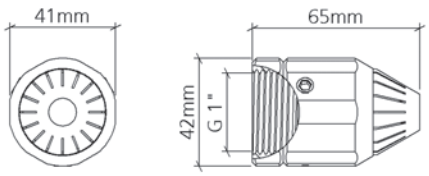
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

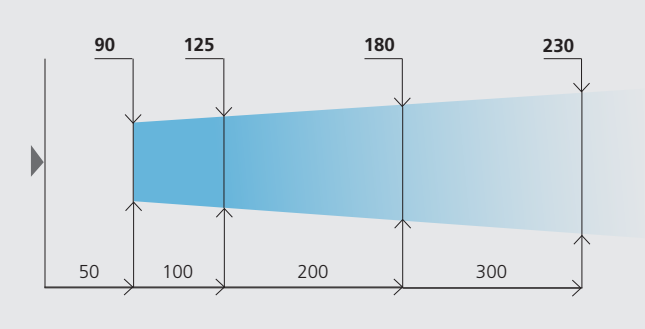
745 L	200	400	600	800	1000
Blowing force (N)	62.8	118.7	174.6	230.5	286.5
Air consumption (Nm³/h)	375.0	625.0	875.0	1125.0	1375.0
Sound level (dB(A))	107.0	114.0	122.0	125.0	126.0

For further information, see page 166 or visit silvent.com.

Dimensions



Blowing coverage (mm)



ALTERNATIVES

745 L TA

SILVENT 745 L TA is an adjustable version of the air nozzle 745 L. The adjustable blowing angle allows a maximum of 20° adjustability around the center line. Otherwise, similar performance and built-in dimensions as the 745 L.

SILVENT 780 LA

InTech

- **Stainless steel Laval nozzle**

SILVENT 780 LA: a stainless steel adjustable Laval nozzle that generates an enormous blowing force. Compressed air is optimally used in this nozzle, which introduced a completely new blowing technology feature. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The core stream in the SILVENT 780 LA is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after it has passed through the nozzle. The adjustable blowing angle allows a maximum of 30° adjustability around the center line. The time for installation and adjusting to the correct blowing angle is significantly reduced.

TECHNICAL DATA

Replace open pipe Ø (mm)	38
Blowing force (N)	270.0
Air consumption (Nm³/h)	1750
Sound level (dB(A))	119
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1 1/2"
Weight (g)	3484
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **20** **dB(A)** **Energy savings** **927** **Nm³/h**

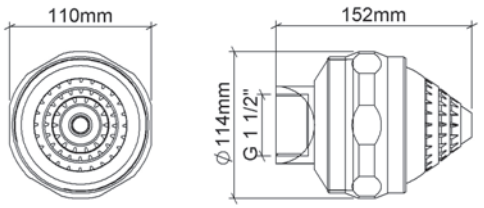
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

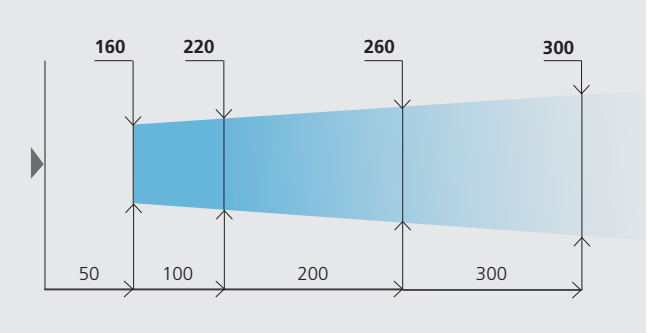
780 LA	200	400	600	800	1000
Blowing force (N)	130	230	320	420	520
Air consumption (Nm³/h)	950	1550	2150	2750	3350
Sound level (dB(A))	111.0	117.5	120.0	122.0	123.5

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ALTERNATIVES

780 L

SILVENT 780 L is a version of the 780 LA that does not allow adjustment of the blowing angle. Otherwise its performance is similar to the 780 LA. Size: (Ø85x102 (Ø3.35x4.02")).

SILVENT 795 L

NEW!

InTech

- **Stainless steel Laval nozzle**

SILVENT 795 L: a stainless steel Laval nozzle that generates an enormous blowing force. Compressed air is optimally used in this air nozzle, which introduced a completely new blowing technology feature. The effect is achieved by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. The core stream in the SILVENT 795 L is generated by a Laval nozzle. The design of the nozzle converts all of the energy stored in the compressed air into kinetic energy without permitting the air jet to expand laterally after it has passed through the nozzle.

TECHNICAL DATA

Replace open pipe Ø (mm)	38
Blowing force (N)	360.0
Air consumption (Nm³/h)	1850
Sound level (dB(A))	123
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 1 1/2"
Weight (g)	1018
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **16** **dB(A)** **Energy savings** **827** **Nm³/h**

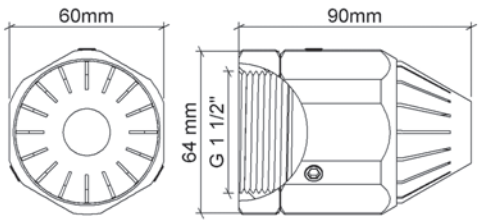
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

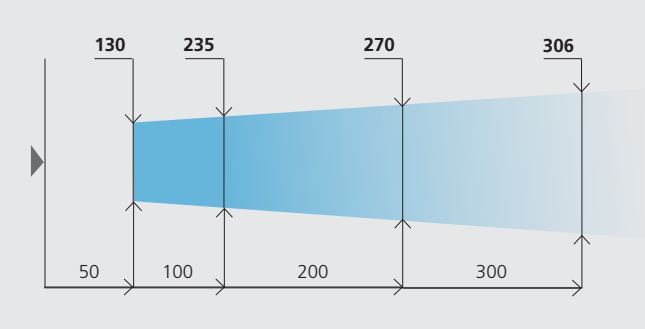
795 L	200	400	600	800	1000
Blowing force (N)	150	290	430	569	708
Air consumption (Nm³/h)	915	1538	2162	2785	3408
Sound level (dB(A))	110.0	117.0	126.0	127.0	128.0

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



There are many different types of air nozzles specially designed to suit specific industries and applications.

Air nozzles – SPECIAL

SILVENT 910

- **Stainless steel rearward blowing nozzle**

SILVENT 910: back-blow nozzle used for blowing clean inside pipes or channels. Cleaning out pipe during and after tooling has always been a problem. Blowing clean using conventional methods is impossible as chips are blown further into the pipe rather than out. SILVENT 910 can handle blow-out of pipe with diameters from 25 mm (1") up to 100 mm (4"). The nozzles are based upon and manufactured in accordance with Silvent's patents, which means that both noise level and air consumption are kept to a minimum.

TECHNICAL DATA

Replace open pipe Ø (mm)	7
Blowing force (N)	5.5
Air consumption (Nm³/h)	38
Sound level (dB(A))	86
Nozzle technology	Hole
Material (nozzle)	1.4305 (303)
Connection	G 1/4"
Weight (g)	14
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **19** **dB(A)** **Energy savings** **54** **Nm³/h**

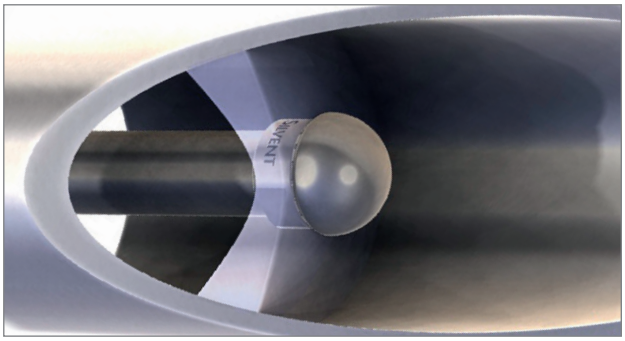
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

910	200	400	600	800	1000
Blowing force (N)	2.2	4.3	6.7	8.8	11.0
Air consumption (Nm³/h)	15.6	30.0	44.8	59.9	73.3
Sound level (dB(A))	76.5	83.4	87.0	90.1	92.6

**For further information, see page 166 or visit silvent.com.*

Principle sketch



ALTERNATIVES

912

SILVENT 912: larger variation of 910. Manages blow-out of pipe with diameters from 75 mm (3") up to 400 mm (16"). 1" female connection thread. Blowing force 13.2 N (2.9 lbs).

SILVENT 915

- **Stainless steel pipe blowing nozzle**

SILVENT 915: dispersion nozzle that generates a broad and circular air cone pattern. Designed for applications where air must be spread over a greater area at a short blowing distance. Works best when the blowing distance does not exceed 150 mm (6"). When blowing inside pipe and ducts the inside diameter should be between Ø 25 - 100 mm (1" - 4"). The standard exhaust angle is 45°. However, the design of the nozzle permits the angle of the exhaust holes to be modified. Upon request, angles of 90° or 135° are available. Low noise level and air consumption.

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	5.5
Air consumption (Nm³/h)	38
Sound level (dB(A))	86
Nozzle technology	Hole
Material (nozzle)	1.4305 (303)
Connection	G 1/4"
Weight (g)	20
Max temp (°C)	400
Max op. pressure (MPa)	1.0

Noise reduction **16** **dB(A)** | **Energy savings** **29** **Nm³/h**

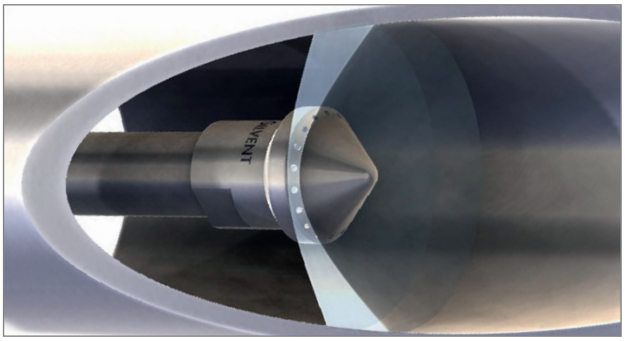
Feed pressure = 500 (kPa)
Material specification: EN 1.4305

Blowing properties at different pressures (kPa)

915	200	400	600	800	1000
Blowing force (N)	2.0	4.1	6.6	8.9	11.1
Air consumption (Nm³/h)	20.5	33.5	44.5	56.2	67.9
Sound level (dB(A))	79.4	84.6	88.3	91.1	92.6

**For further information, see page 166 or visit silvent.com.*

Principle sketch



ALTERNATIVES

915-90

SILVENT 915-90: with an outlet angle of 90°. Otherwise, the same performance as 915.

915-135

SILVENT 915-135: with an outlet angle of 135°. Otherwise, the same performance as 915.

SILVENT 952

- **Self-rotating air nozzle (zinc)**

SILVENT 952: self-rotating nozzle designed to provide efficient and even blow-off of large areas. For example, wide polishing machines used in the wood working industry make use of rotating nozzles to achieve even and efficient blow-off of the entire wood surface. Conventional open pipe blow-off results in spotty blowing that fails to cover the whole surface and, therefore, uneven quality. An integrated dust removal system is normally used in connection with the rotating nozzles in these wide polishing machines, disposing of waste in an efficient and environmentally sound manner. As the nozzles rotate at high speed and force, the accompanying safety instructions must be followed during installation and use. SILVENT will gladly supply these safety regulations upon request, as well as in conjunction with initial delivery.

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	6.4
Air consumption (Nm³/h)	38
Sound level (dB(A))	83
Nozzle technology	Slot
Material (nozzle)	Zn
Connection	M27x2
Weight (g)	150
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **19** **dB(A)** **Energy savings** **29** **Nm³/h**

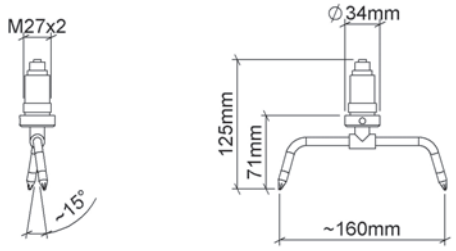
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 1284, EN 1.4305, EN 10305-1, PA6

Blowing properties at different pressures (kPa)

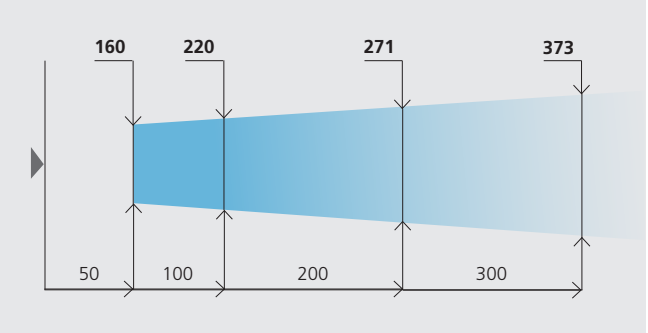
952	200	400	600	800	1000
Blowing force (N)	-	-	-	-	-
Air consumption (Nm³/h)	18.6	30.6	45.6	59.6	73.6
Sound level (dB(A))	-	-	-	-	-

**For further information, see page 166 or visit silvent.com.*

Dimensions



Blowing coverage (mm)



ACCESSORIES

Sleeve
2252. Connection sleeve for single mounting of Silvent 952. Material: Aluminum.
For more information see page 160.

SILVENT 453

- **360° nozzle, small**

SILVENT 453: the smallest version of Silvent's doughnut nozzles with just an inner ring of nozzles. This is our most commonly used type of doughnut nozzle. Finding the blowing pattern that is most suitable for the majority of blow-off processes is the result of years of experience with previous generations of doughnut nozzles. These nozzles are designed for continuous production and the cleaning or drying of cables, sections, pipes, hoses, etc. The SILVENT 453 allows problem-free insertion and removal of material with diameters of 5 mm to 25 mm (0.2"-1.0"). There are attachment lugs for easy and safe mounting.

TECHNICAL DATA

Replace open pipe Ø (mm)	10
Blowing force (N)	20.0
Air consumption (Nm³/h)	114
Sound level (dB(A))	90
Nozzle technology	Slot
Material (nozzle)	Zn
Connection	G 1/2"
Weight (g)	275
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **22** **dB(A)** **Energy savings** **71** **Nm³/h**

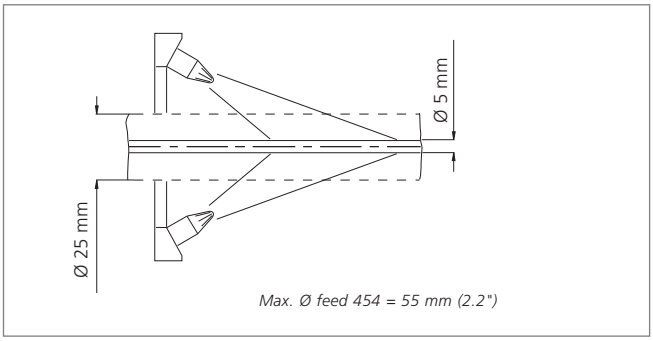
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 1284, EN 1.0718 Fzb

Blowing properties at different pressures (kPa)

453	200	400	600	800	1000
Blowing force (N)	8.4	15.6	24.0	30.6	37.8
Air consumption (Nm³/h)	55.8	91.8	136.8	178.8	220.8
Sound level (dB(A))	82.0	87.8	92.0	95.9	98.5

**For further information, see page 166 or visit silvent.com.*

Blowing coverage (mm)



ALTERNATIVES

454

SILVENT 454: with just an outer ring of flat nozzles for minimal noise level and air consumption. Perfect for blow-off of light particles or small amounts of liquid on material passing through the nozzle at moderate speeds. Blowing force 16.0 N (3.5 lbs).

455

SILVENT 455: a unique double nozzle system for optimal results. The outer ring provides initial cleaning and prepares the surfaces for the inner system, which then completes the drying or cleaning process. Blowing force 36.0 N (7.9 lbs).

SILVENT 464

- **360° nozzle, medium**

SILVENT 464: a doughnut nozzle with just an outer ring of flat nozzles that offers the very lowest noise level and air consumption. Perfectly adequate for the removal of lightweight matter and lesser amounts of liquid. Provides plenty of blowing force for applications such as drying or cleaning of cable, pipe, hose or sections passing through the doughnut at moderate speeds. Efficient and uniform 360° coverage is guaranteed - even at the opening in the doughnut, where extra powerful nozzles are mounted at the optimal blowing angle. SILVENT 464 allows problem-free insertion and removal of material with diameters of 25 to 105 mm (1.0" – 4.1") through the opening in the doughnut. There are attachment lugs for easy and safe mounting.

TECHNICAL DATA

Replace open pipe Ø (mm)	16
Blowing force (N)	32.0
Air consumption (Nm³/h)	234
Sound level (dB(A))	92
Nozzle technology	Slot
Material (nozzle)	Zn
Connection	G 3/4"
Weight (g)	1100
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **30** **dB(A)** **Energy savings** **240** **Nm³/h**

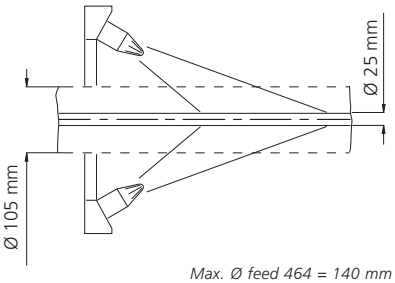
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 1284, NBR 70

Blowing properties at different pressures (kPa)

464	200	400	600	800	1000
Blowing force (N)	12.6	26.2	38.8	51.4	66.0
Air consumption (Nm³/h)	108.0	186.0	272.4	355.2	438.0
Sound level (dB(A))	80.9	88.1	92.7	95.2	98.2

**For further information, see page 166 or visit silvent.com.*

Blowing coverage (mm)



Max. Ø feed 464 = 140 mm (5.5")

ALTERNATIVES

463 L

SILVENT 463 L: with an inner ring of 2120 L nozzles and suitable for most applications. Our most frequently used doughnut nozzle type. Blowing force 42.0 N (9.3 lbs).

465 L

SILVENT 465 L: with a unique double nozzle system. Two different blowing patterns unite to achieve maximum results. The outer ring provides initial cleaning and prepares the surfaces for the inner system, which then completes the drying or cleaning process. Blowing force 76.0 N (16.77 lbs.).

SILVENT 475 L

- **360° Laval nozzle, large**

SILVENT 475 L: with its double nozzle ring, is entirely unique. Two different blowing patterns unite to achieve maximum results. The outer ring provides initial cleaning and prepares the surfaces for the inner system, which then completes the drying or cleaning process. The system is designed to clean or dry cables, pipes, sections, hoses, etc. that require extra high blowing force or pass through the doughnut at high speed. Efficient and uniform 360° coverage is guaranteed - even at the opening in the doughnut, where extra powerful nozzles are mounted at the optimal blowing angle. SILVENT 475 L allows problem-free insertion and removal of material with diameters of 100 to 205 mm (4" – 8.1") through the opening in the doughnut. It features robust attachment lugs for easy and safe mounting.

TECHNICAL DATA

Replace open pipe Ø (mm)	25
Blowing force (N)	148.9
Air consumption (Nm³/h)	948
Sound level (dB(A))	104
Nozzle technology	Laval
Material (nozzle)	Zn
Connection	G 3/4"
Weight (g)	2440
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Noise reduction **27** **dB(A)** **Energy savings** **211** **Nm³/h**

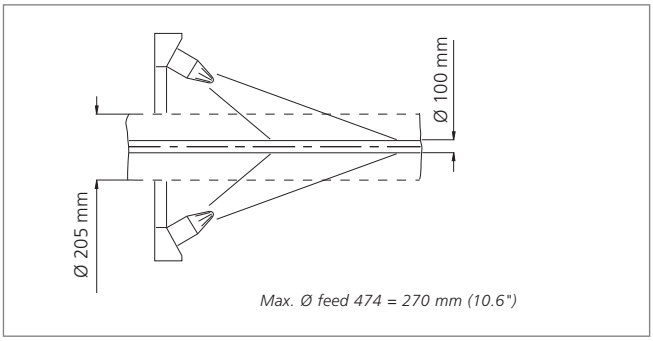
Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN 1284, EN 1.0718 Fzb, NBR 70

Blowing properties at different pressures (kPa)

475 L	200	400	600	800	1000
Blowing force (N)	71.1	138.2	207.6	274.7	345.8
Air consumption (Nm³/h)	474.0	794.7	1152.1	1502.4	1842.7
Sound level (dB(A))	89.2	96.1	100.4	103.6	105.1

**For further information, see page 166 or visit silvent.com.*

Blowing coverage (mm)



ALTERNATIVES

473 L

SILVENT 473 L: with only an inner ring of 2120 L & 2005 nozzles. Suitable for most applications. The design of its blowing profile is the result of many years of experience. Our most frequently used doughnut nozzle type. Blowing force 97.0 N (21.4 lbs).

474

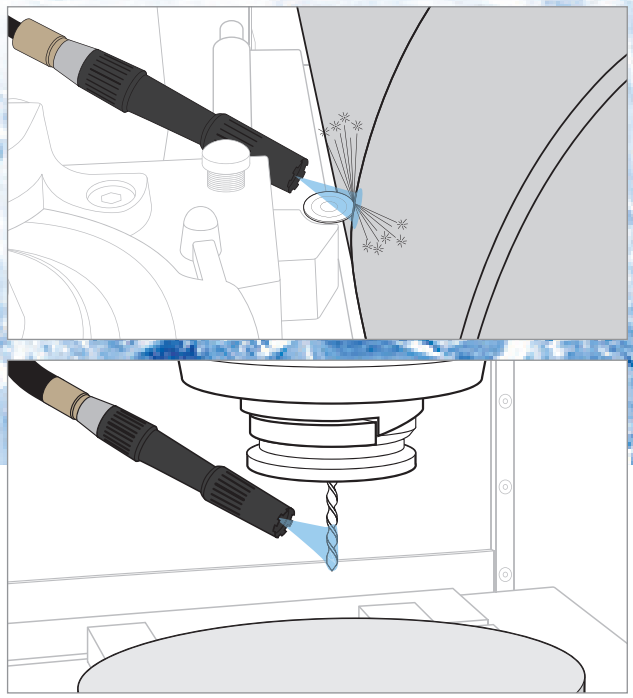
SILVENT 474: with just an outer ring of flat nozzles for minimal noise level and air consumption. Perfect for blow-off of light particles or small amounts of liquid on material passing through the nozzle at moderate speeds. Blowing force 61.0 N (13.5 lbs).

Quick cooling of parts and equipment using SILVENT F 1

Examples of problem solved with SILVENT F 1:

WHEN COOLING:

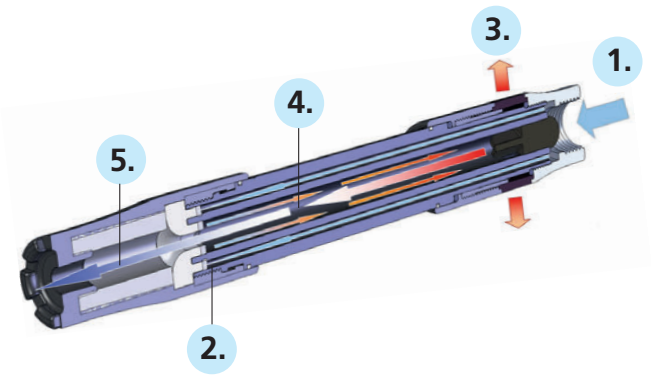
- cutting tools to increase lifetime
- parts quickly to be handled manually by operator
- bearings to minimize friction and increase lifetime
- electrical cabinets
- during plastic welding
- when welding close to electronic parts
- the needle in sewing machines
- small blades (when cutting etc)



SILVENT F1 is used for cooling of cutting tools when turning or drilling.

The technology behind FRIGUS

The FRIGUS vortex generator contains eight separate Laval shaped paths. By rotating the FRIGUS nozzle, the area of these engineered paths changes, making it possible to control air consumption without affecting the RPMs of the air. Now, thanks to FRIGUS technology, it is possible to control the consumption of air relative to the degree of cooling you require without negatively affecting efficiency.



1. **Air supply**
   Regular compressed air is supplied axially.

2. **Laval paths**
   Air flow is rotating more than 1 000 000 rpm.

3. **Exhaustion**
   Warm air exhaust.

4. **Energy transformation**
   Heat energy is removed from the inner air swirl.

5. **Laminar cold air flow**
   Cold air is discharged from the front at a low noise level.

SILVENT F 1

TECHNICAL DATA

Refrigeration (kcal/h)	110
Air consumption (Nm³/h)	17
Temperature reduction (°C)	38
Sound level (dB(A))	76
Material (nozzle)	ZYTEL
Connection	G 1/4"
Weight (g)	85
Max temp (°C)	120
Max op. pressure (MPa)	1.0

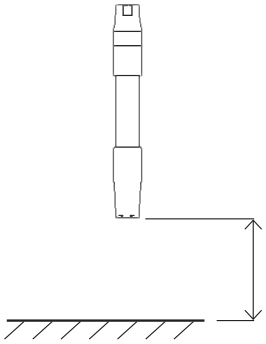
Feed pressure = 500 (kPa)
Material specification: Zytel HTN54G3 5HSLR BK031, NBR, EN 1.4305, Cu, Sn, Elastollan c80a HPM, Polyster, Elastollan C60A HPM, Makrolon 8035

- **Cooling nozzle for spot cooling**

SILVENT F 1 is a cooling nozzle with FRIGUS technology that is especially designed for spot cooling where unwanted heat occurs, due to material milling, drilling, grinding, turning, etc. Maintaining a reduced temperature during machining operations facilitates the process and extends tool life. F 1 generates a low noise level. Its revolutionary design is compact and the unit is simple to install. It is easy to replace your standard nozzle with a FRIGUS cooling nozzle. F 1 cools the target while blowing away chips and enhancing quality. FRIGUS technology provides the possibility to quickly and easily adjust both the air consumption and cold fraction you need. This simple, unique control design allows you to set air consumption in relation to your refrigeration requirements.

**For further information, see page 166 or visit silvent.com.*

To obtain best cooling effect from the cooling nozzle, use as short blowing distance as possible from the nozzle to the object. Recommended max blowing distance = 30 mm (1.18").



ALTERNATIVES

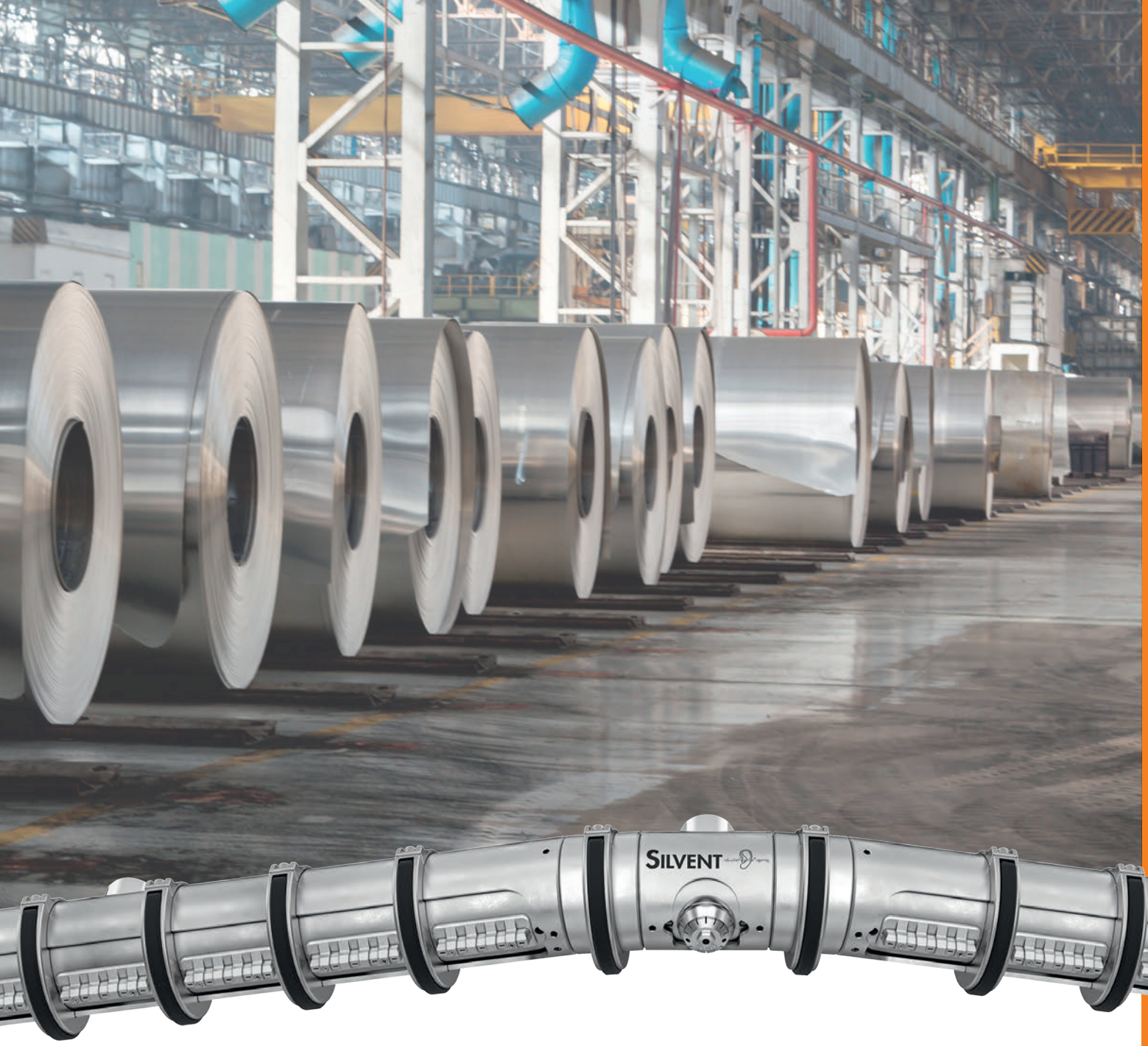
F 1-M2

SILVENT F 1-M2 - F 1-M4: nozzle mounted on a bendable 1/4" FlexBlow hose that maintains the desired position for quick and easy adjustment. Available in 3 different lengths and supplied with a magnetic base.

ACCESSORIES

FlexBlow Hose
FB14-300. Robust flexblow hose in stainless steel, with 1/4" thread at both ends.
For more information see page 159.

– Air knives from Silvent are designed by engineers at our headquarters in Sweden, based on the needs of each individual application. SILVENT AirPlow and SILVENT 300 are fully customized according to customer requirements and application, and are tested before delivery.



Air knives

Product overview

Air knives are divided into two groups. The products on the left are customized products. On the right, we present knives from our standard product range available for immediate delivery. All Silvent air knives have the optimum combination of high blowing force, low energy consumption and low sound levels.

CUSTOMIZED

G 1/8" – 2"

SILVENT 300™ Pages 90– 91

- Customized and tailored for optimal results
- For individual applications or as a component in an OEM build.

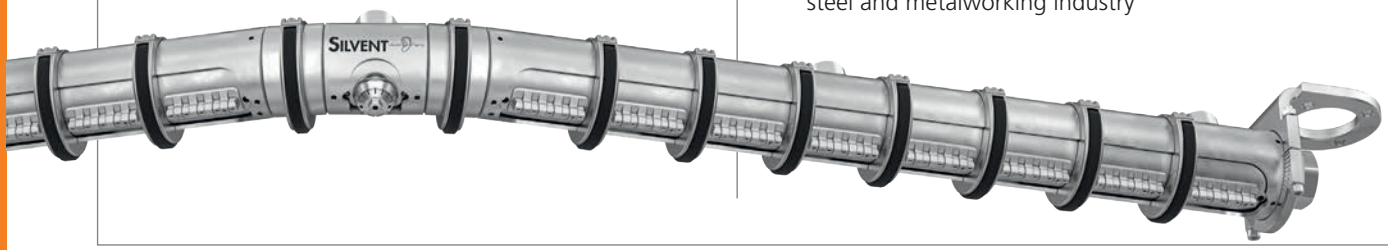
Our most advanced air knife with many setting options

InTech

G 1" – 2"

AirPlow™ Pages 92 – 95

- Plow-shaped air knife adapted for applications in the steel and metalworking industry



MODULAR

G 1/2"

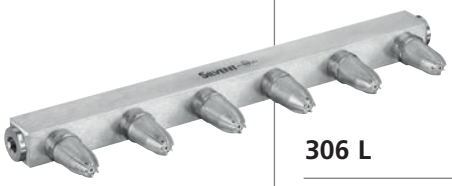
SILVENT 300 Z+ Pages 98– 99

- Modular air knife system
- Available in two different variants

For accessories, see pages 156-163.

STANDARD

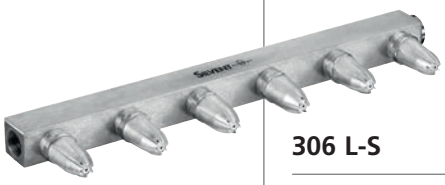
G 3/8″



306 L Page 100

Length: 90 – 290 mm
Blowing force: 6.7 – 20.4 N
Nozzle material: Zinc

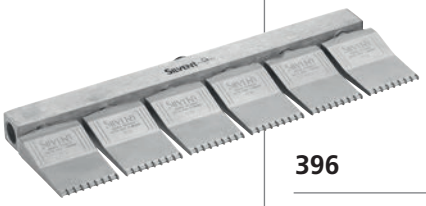
G 3/8″



306 L-S Page 101

Length: 90 – 290 mm
Blowing force: 6.7 – 20.4 N
Nozzle material: Stainless steel

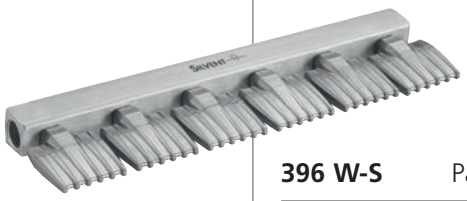
G 3/8″



396 Page 102

Length: 90 – 290 mm
Blowing force: 11.0 – 33.0 N
Nozzle material: Zinc

G 3/8″



396 W-S Page 103

Length: 90 – 290 mm
Blowing force: 11.0 – 33.0 N
Nozzle material: Stainless steel

G 3/8″

366 Page 104

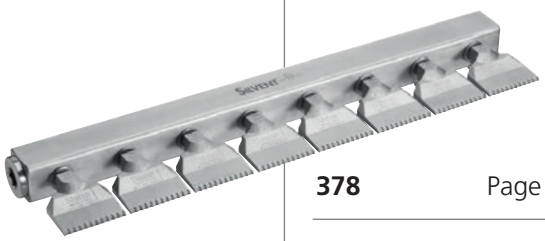
Length: 65 – 165 mm
Blowing force: 6.6 – 19.8 N
Nozzle material: Zinc

G 1/2″

336 Page 105

Length: 52 – 156 mm
Blowing force: 6.8 – 20.4 N
Nozzle material: Stainless steel

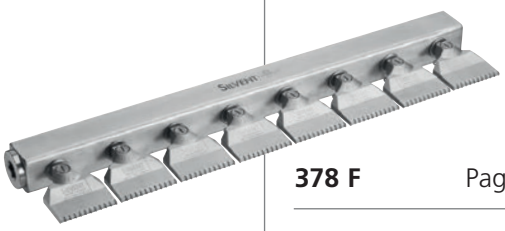
G 1″



378 Page 106

Length: 130 – 520 mm
Blowing force: 19.0 – 76.0 N
Nozzle material: Stainless steel

G 1″



378 F Page 107

Length: 130 – 520 mm
Blowing force: 19.0 – 76.0 N
Nozzle material: Stainless steel

SILVENT 300™

Customized air knife

SILVENT 300™ is a unique custom solution that provides access to the world's most prominent application engineers in the field of blowing with compressed air.

SILVENT 300™ air knives are designed by engineers at Silvent's headquarters in Sweden, based on the needs of each individual application.
The air knives are fully customized to suit the nature of the application and the customer's requirements.
The air knives are manufactured and tested at Silvent's facility in Sweden before delivery to the customer.
SILVENT 300™ is a hallmark you can have full confidence in. In choosing SILVENT 300™ you enjoy the market's absolute best solution including full technical support in respect of blowing angles, blowing direction and other installation advice.

TECHNICAL DATA	SILVENT 300™
Blowing force (N)	3 – 300 N
Air consumption (Nm^3/h)	N/A
Sound level (dB(A))	N/A
Connection (G)	1/8" – 2"
Material (nozzle)	Stainless steel, zinc, Zytel, PEEK etc.
Max temp (°C)	70 – 400°C
Max pressure (MPa)	1.0

Would you like to get in touch with one of our specialists at Silvent? Email us at 300@silvent.se, visit the products page at silvent.com and fill in our application form or contact your nearest Silvent dealer. See contact information on the back of the catalog.

This is included in a SILVENT 300

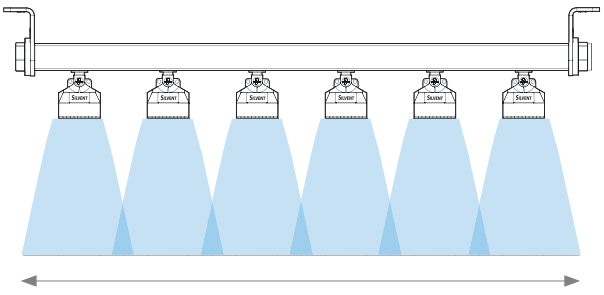
SILVENT 300™ is a collective term applied to all of Silvent's customised solutions. Therefore, each SILVENT 300™ proposal is unique and always adapted to a specific application. In the report, Silvent's engineers add comments about your existing equipment and propose a new, improved, fully customised solution. You get a drawing of the air knife, installation tips, suggestions for suitable accessories, and all technical data concerning the air knife. If you have any special preferences concerning report content, we can arrange that, too. We want to make every investment in a SILVENT 300™ air knife safe and simple.

- Guidance throughout the process ☑
- Silvent's expertise and experience ☑
- Air knife design ☑
- Support during installation ☑
- High quality product ☑

Check list for an application solution

Here is a list of questions that need to be answered to enable our application engineers to begin working on an application. The checklist can also be completed on our website at silvent.com.

1. What is the main purpose of the blowing application?
   Cleaning, drying, cooling, transporting, sorting, etc.
2. What is the main reason for wanting to develop / change the application?
   To improve efficiency, quality or safety. Reduce noise, save energy, etc.
3. Are there any requirements regarding chemical exposure, high temperatures etc?
4. What are the longest and shortest distances between the blowing equipment and the target surface?
5. What is the desired blowing coverage?
6. What is the available operating pressure?
7. What is the size of the compressed air supply line?
8. What equipment is currently used for the application?



Blowing coverage width

InTech

SILVENT AirPlow™

Silvent AirPlow™ is a patented, plow-shaped product for cleaning and drying surfaces moving at high speed, e.g. in rolling mills.

The AirPlow™ has a robust design with low-profile nozzles and integrated blowing angle adjustment.
The product is available in various sizes and designs, and is tailored to suit the application concerned.
The AirPlows are manufactured and tested at Silvent's facility in Sweden before delivery to the customer.
AirPlows are available in two basic versions, straight or V-shaped with plow-shaped blowing patterns for the best results.
Splitting the AirPlows into sections allows separate zones to be blown clean, which is useful when the desired blowing width varies.
This leads to reduced energy consumption, lower sound levels and more efficient blowing.

TECHNICAL DATA	AirPlow™
Blowing force (N)	100 – 500 N
Air consumption (Nm^3/h)	N/A
Sound level (dB(A))	N/A
Connection (G)	1" – 1 1/2"
Material	Stainless steel, Viton
Weight (kg)	N/A
Max temp (°C)	250°C
Max pressure (MPa)	1.0

An AirPlow includes the following

Silvent AirPlow™ is a product that is configured for each individual application and where Silvent's engineers base their work on the customer's wishes and requirements.

- Guidance throughout the process ☑
- Silvent's expertise and experience ☑
- Air knife design ☑
- SILVENT AirPlow™ report ☑
- Support during installation ☑
- High quality product ☑

SILVENT InTech

Unique excellence for steelworks

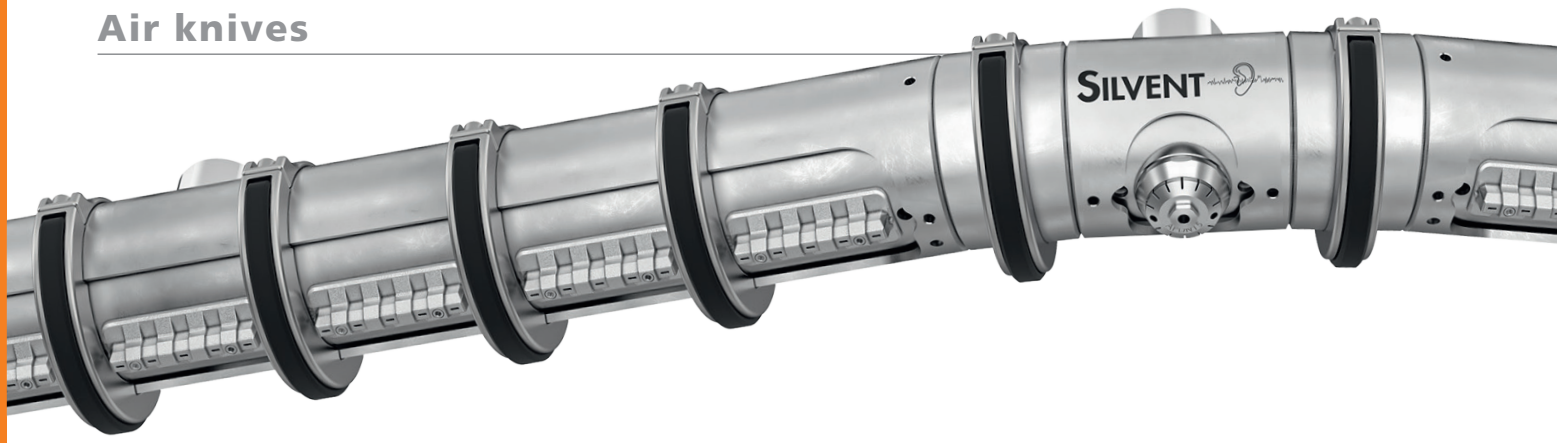
Silvent has built up a global organisation known as Silvent InTech with a focus on assisting the steel and aluminum industries with product quality improvements and optimising the manufacturing process in terms of energy.

Silvent InTech's engineers often work at customer premises to find solutions for complicated applications. Today, the organisation has a unique fund of knowledge of blowing applications in hot and cold rolling mills, whether they be for thin sheet, plate, pipes or profiles of various kinds. A team of engineers at Silvent's headquarters guarantees that every drawing and technical proposal will result in the optimal use of Silvent technology. InTech is proof of Silvent's

ability to offer more than just products. Silvent provides know-how, experience and technical support.
Silvent InTech's specialists also give lectures for production personnel to enhance their awareness of energy optimisation. Producing sheet-metal is extremely energy intensive, and compressed air accounts for huge sums, due to the demanding production process. With a greater understanding of the subject, major savings can be made with improved quality.

AirPlow™ – a product of the future

Silvent launched its patented AirPlow™ product at the METEC international metallurgical trade fair in Dusseldorf, Germany in 2011. Since then, the unique air knives have revolutionised thin sheet production. The world's most successful manufacturers, including Arcelor Mittal, Nucor, Posco, ThyssenKrupp and US Steel, have installed AirPlow™ for improved quality and minimised energy consumption.
The market welcomed this product of the future aimed at steel mills seeking to produce sheet steel of the absolute highest quality.



NEW!

SILVENT AirPlow™ 2.0

Air plow for the steel and aluminum industry

The SILVENT AirPlow™ 2.0 was designed for demanding blowing applications and is a development of Silvent's previous plow model. The new patented design allows optimization of the blowing angle and direction, and simplifies installation and adjustment of the blowing application. The air plow is also equipped with the latest blowing technology to increase efficiency and reduce energy consumption.

The air plow is mainly used in rolling mills for steel, aluminum and other metals, but can also be used in other applications where high blowing force and a wide contact area are required. The air plow creates a V-shaped air jet that efficiently blows liquid and loose particles away from the surface.

The latest generation of the Silvent air plow has been improved in several areas. Updates are based on practical experience from applications and product development. The SILVENT AirPlow™ 2.0 boasts unique new air nozzles, which together with the patented design, optimize the plow to provide the best possible results.

TECHNICAL DATA	AirPlow™ 2.0
Blowing force (N)	22 – 110
Air consumption (Nm^3/h)	N/A
Sound level (dB(A))	N/A
Connection (G)	1" – 1 1/2"
Material	Stainless steel, Viton
Weight (kg)	N/A
Max temp (°C)	250 °C
Max pressure (MPa)	1.0

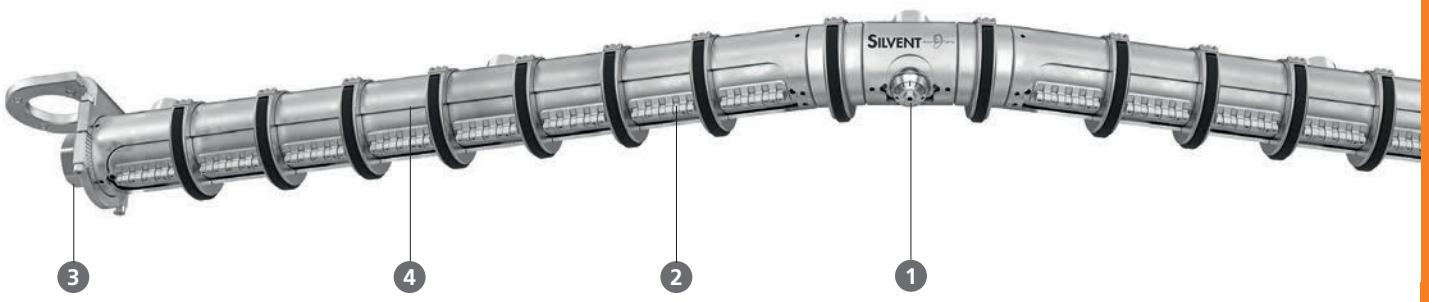
An AirPlow™ 2.0 includes the following

Silvent AirPlow™ 2.0 is a product that is configured for each individual application and where Silvent's engineers base their work on the customer's wishes and requirements.

- Guidance throughout the process ☑
- Silvent's expertise and experience ☑
- Air knife design ☑
- SILVENT AirPlow™ 2.0 manual ☑
- Support during installation ☑
- High quality product ☑

Configuration

As before, the air plow is available in two basic versions, straight or V-shaped. The V-shaped variant has a 150° plow angle to achieve strong plow force while limiting the longitudinal installation dimension. The straight version provides the smallest possible installation dimensions. Here, plow force is achieved by installing blow-off nozzles at gradually decreasing blow-off angles.



1. Divider nozzle APDN15

Using the latest manufacturing technology, we have designed a divider nozzle with separate Laval holes in three directions. This results in a pronounced V-shaped air jet that boosts plowing force with better energy efficiency than before.

2. Blow-off nozzle APN05

This blow-off nozzle was designed to achieve a flat, wide air jet for increased energy efficiency and a lower sound level. The nozzle's low-profile provides for small installation dimensions and a protected position in the overall design.

3. Integrated swivel connections

All connections on the air plow have a swivel function, which means the connection nipple can rotate freely in relation to the rest of the structure. This makes it easier to install connection pipes or hoses.

4. Sections

The air plow is modular internally, making it easier to configure sections for different cover widths. This means the air blowing through each section can be turned on or off, which is very useful for energy optimization in rolling mills where the required cover width varies.

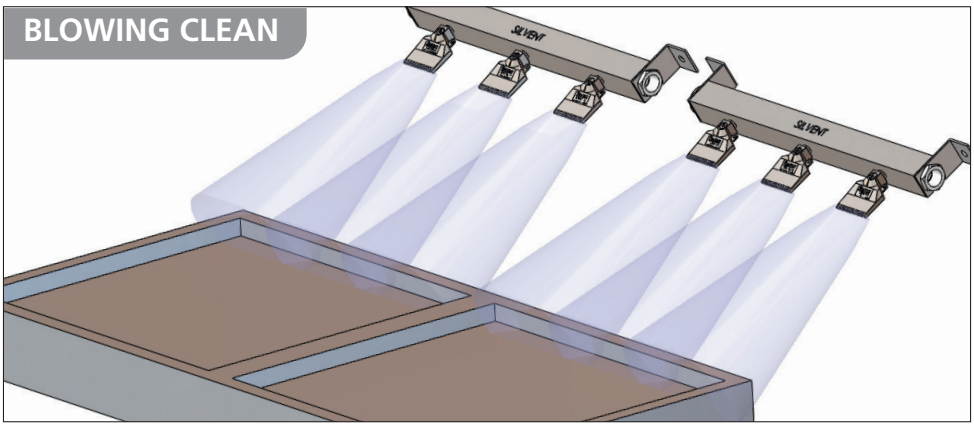
TECHNICAL DATA	APN05
Blowing force (N)	13.5
Air consumption (Nm^3/h)	70
Sound level (dB(A))	92
Material	1.4404 (316L)
Weight (kg)	83

The nozzle is only sold together with the AirPlow™ 2.0.

Blow-off nozzle APN05

Typical applications – SILVENT 300™

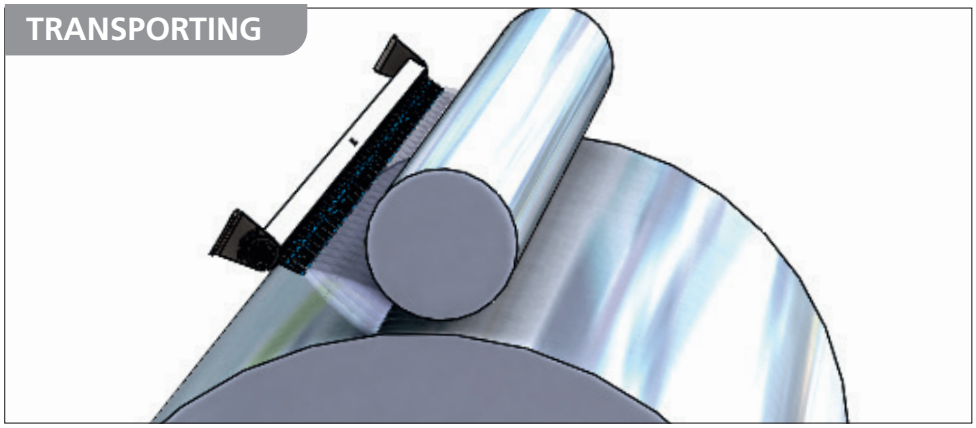
BLOWING CLEAN



Here, Silvent air knives are used to blow dust and foundry sand from a mold. Air knife length and design have been tailored to suit customer requirements.

SILVENT 300™ (Drawing no. AK018083002). Contact us for further information.

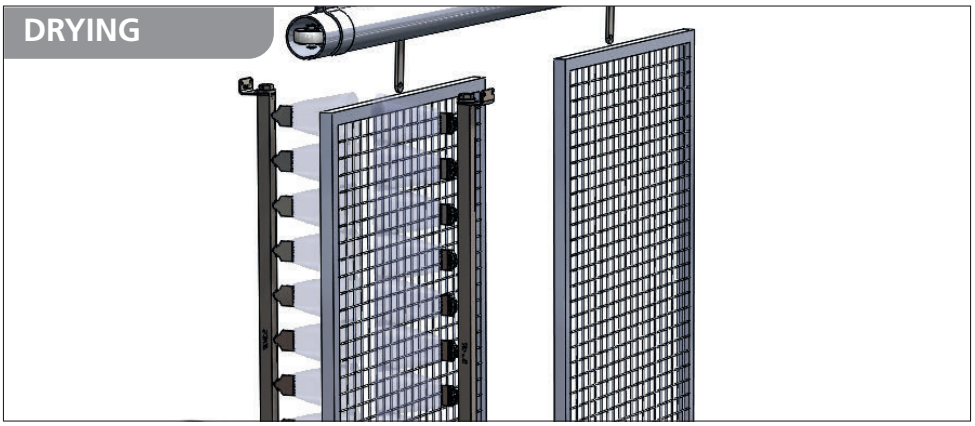
TRANSPORTING



A Silvent air knife installed in a winder in a paper mill. The air knife's job is to press down and guide the paper through the roller.

SILVENT 300™ (Drawing no. AK019020402). Contact us for further information.

DRYING

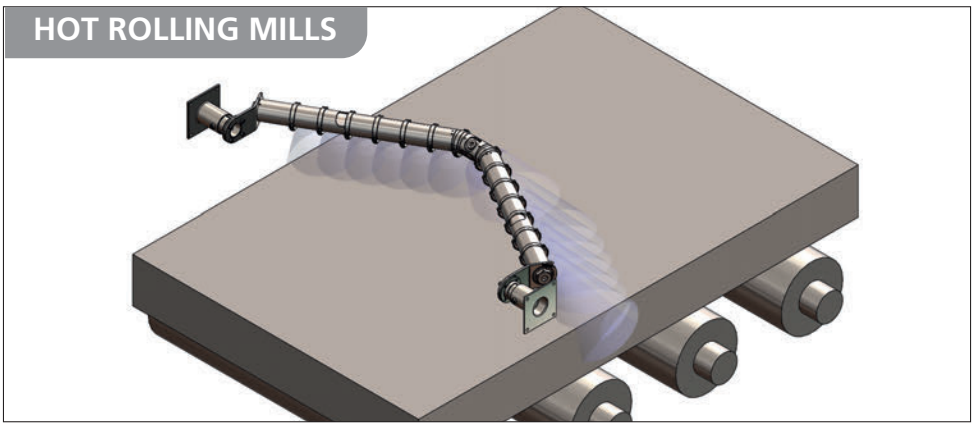


Silvent air knives are shown here being used to dry grill sections after washing. The grills pass through an air curtain to be fully dried before proceeding to painting. The air knives are installed with adjustable brackets for setting the right blowing direction.

SILVENT 300™ (Drawing no. AK018061303). Contact us for further information.

Typical applications – SILVENT AirPlow™

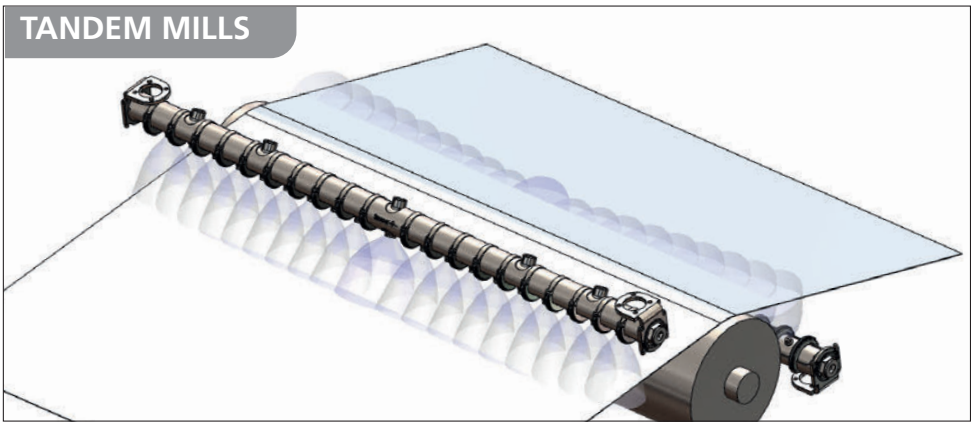
HOT ROLLING MILLS



Silvent's V-shaped AirPlow is used to clean steel billets before they pass into the furnace for heating and rolling. A cleaned steel billet reduces the risk for uneven heating and the amount of slag and impurities in the furnace.

Silvent AP9101-90167 installed in a steel mill in the USA

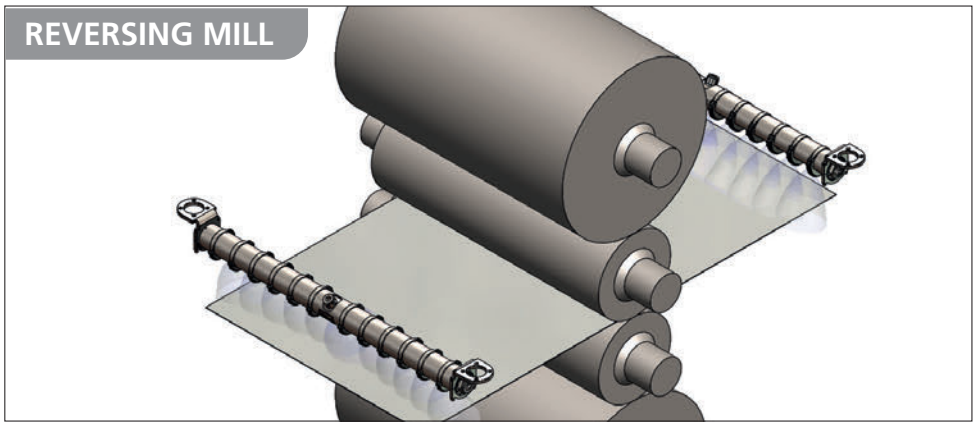
TANDEM MILLS



Steel strip output from tandem mills must be blown clean and dried before coiling.
Silvent AirPlows offer full coverage and high blowing force in this application.

Silvent AP9083-90482 installed in a steel mill in the USA

REVERSING MILL



Each alternate side is blown clean in a reversing mill.
Silvent's AirPlows are used energy efficiently in these types of rolling mills.

Silvent AP9053-90463 installed in a steel mill in Mexico

SILVENT 310 Z+

TECHNICAL DATA	304 Z+	310 Z+
Blowing force (N)	12.0	30.0
Air consumption (Nm³/h)	60	152
Sound level (dB(A))	83	90
Nozzle technology	Laval	Laval
Material (nozzle)	ZYTEL	ZYTEL
Connection	G 1/2"	G 1/2"
Weight (g)	230	250
Max temp (°C)	180	180
Max op. pressure (MPa)	1.0	1.0

- **Modular air knife system (ZYTEL)**

SILVENT 310 Z+ is a modular, energy-efficient air knife that generates an extremely strong and effective blowing force with an exceptionally low sound level. Compressed air is optimally used in this air knife. Its unique design introduced a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. SILVENT 310 Z+ modules can easily be combined to achieve the desired length of the air knife (see SILVENT A 12 in accessories).

Noise reduction **26** **dB(A)** **Energy savings** **114** **Nm³/h**

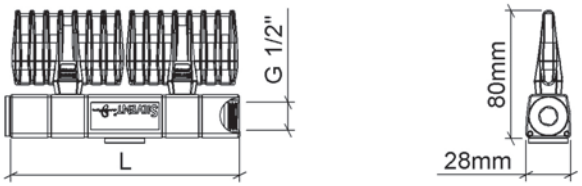
Feed pressure = 500 (kPa)
Material specification: EN 1.0718, CW614N, Zytel HTN FG52G35 HSL BK011, ZYTEL HTN54G35HSLR BK031, Desmopan 487, EN1.4310

Blowing properties at different pressures (kPa)

304 Z+	200	400	600	800	1000
Blowing force (N)	5.0	9.8	14.2	18.6	23.0
Air consumption (Nm³/h)	32.0	50.0	68.0	86.0	104.0
Sound level (dB(A))	74.3	81.0	85.0	88.0	90.2
310 Z+					
Blowing force (N)	13.4	24.8	36.2	47.6	59.0
Air consumption (Nm³/h)	80.0	128.0	176.0	224.0	272.0
Sound level (dB(A))	82.0	88.5	92.1	94.3	95.7

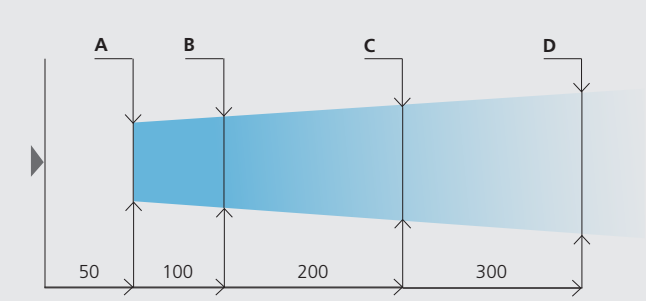
**For further information, see page 166 or visit silvent.com.*

Dimensions



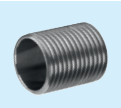
304 Z+: L=144 mm; **310 Z+:** L=144 mm

Blowing coverage (mm)



	A	B	C	D
304 Z+	152	172	212	252
310 Z+	172	192	232	272

ACCESSORIES



Adapter
A12 Connection nipple used to assemble Silvent 300 Z + air knives, e.g. 310 Z + and 304 Z +.
For more information see page 161.

Mounting Brackets
3902. For use with Silvent's air knives and air curtains.
For more information see page 161.

Modular air knife system

SILVENT 310 Z+ and SILVENT 304 Z+ can easily be assembled together. All that is needed is the accessory SILVENT A 12. It has never been easier to make an air knife that fits your specific application.

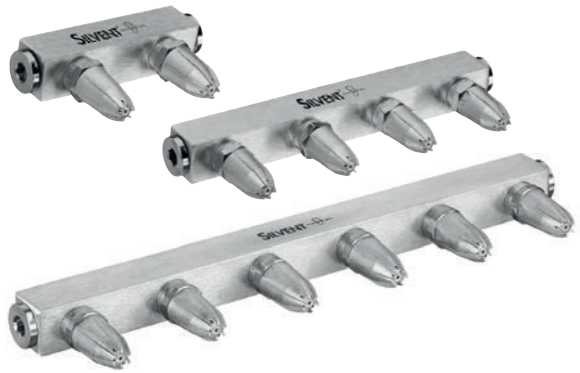
310 Z+

310 Z+	Blowing force		Noise level	Connections	Blowing coverage					
Number	*N*	*(lbs)*	*dB(A)*	*Number*	100 (4″)		200 (8″)		300 (12″)	
1	30.0	(6.6)	90	1	192	(7.56”)	232	(9.13”)	272	(10.71”)
2	60.0	(13.2)	93	2	336	(13.23”)	376	(14.80”)	416	(16.38”)
3	90.0	(19.9)	95	3	480	(18.90”)	520	(20.47”)	560	(22.05”)
4	120.0	(26.5)	96	3	624	(24.57”)	664	(26.14”)	704	(27.72”)
5	150.0	(33.1)	97	4	768	(30.24”)	808	(31.81”)	848	(33.39”)
6	180.0	(39.7)	98	5	912	(35.91”)	952	(37.48”)	992	(39.06”)
7	210.0	(46.3)	98	6	1056	(41.57”)	1096	(43.15”)	1136	(44.72”)

304 Z+

304 Z+	Blowing force		Noise level	Connections	Blowing coverage					
Number	*N*	*(lbs)*	*dB(A)*	*Number*	100 (4″)		200 (8″)		300 (12″)	
1	12.0	(2.6)	83	1	172	(6.77”)	212	(8.35”)	252	(9.92”)
2	24.0	(5.3)	86	1	316	(12.44”)	356	(14.02”)	396	(15.59”)
3	36.0	(7.9)	88	1	460	(18.11”)	500	(19.69”)	540	(21.26”)
4	48.0	(10.6)	89	2	604	(23.78”)	644	(25.35”)	684	(26.93”)
5	60.0	(13.2)	90	2	748	(29.45”)	788	(31.02”)	828	(32.60”)
6	72.0	(15.9)	91	2	892	(35.12”)	932	(36.69”)	972	(38.27”)
7	84.0	(18.5)	91	2	1036	(40.79”)	1076	(42.36”)	1116	(43.94”)

SILVENT 306 L



- **Air curtain (zinc)**

SILVENT 302 L - 306 L: with 209 L nozzles. For applications that require a curtain of air across a broad surface. Typical areas of application include air cleaning, curtains around doors and entrances, paint drying, cleaning of conveyor belts, plywood sheets etc.

TECHNICAL DATA	302 L	304 L	306 L
Blowing force (N)	6.7	13.6	20.4
Air consumption (Nm³/h)	34	68	102
Sound level (dB(A))	81	84	85
Nozzle technology	Laval	Laval	Laval
Material (nozzle)	Zn	Zn	Zn
Connection	G 3/8"	G 3/8"	G 3/8"
Weight (g)	224	414	608
Max temp (°C)	70	70	70
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **27** **dB(A)** | **Energy savings** **83** **Nm³/h**

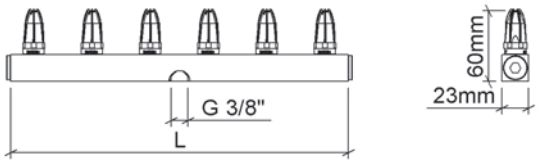
Feed pressure = 500 (kPa)
Material specification: EN AW 6063, Zn ZP0410 EN 12844, CW614N

Blowing properties at different pressures (kPa)

302 L	200	400	600	800	1000
Blowing force (N)	2.8	5.4	8.0	10.6	13.6
Air consumption (Nm³/h)	17.0	27.6	40.2	52.8	64.4
Sound level (dB(A))	73.0	78.5	81.7	86.0	89.0
304 L					
Blowing force (N)	5.6	10.8	16.0	21.2	27.2
Air consumption (Nm³/h)	34.0	55.2	80.4	105.6	128.8
Sound level (dB(A))	76.0	81.5	84.7	89.0	92.0
306 L					
Blowing force (N)	8.4	16.2	24.0	31.8	40.8
Air consumption (Nm³/h)	51.0	82.8	120.6	158.4	193.2
Sound level (dB(A))	78.8	83.3	86.5	90.8	93.8

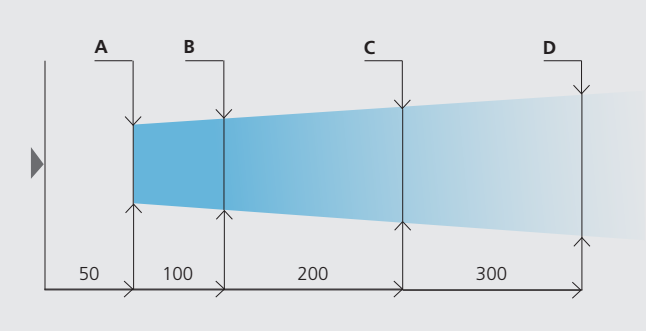
For further information, see page 166 or visit silvent.com.

Dimensions



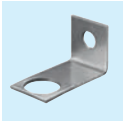
302 L: L=90 mm; **304 L:** L=190 mm; **306 L:** L=290 mm

Blowing coverage (mm)



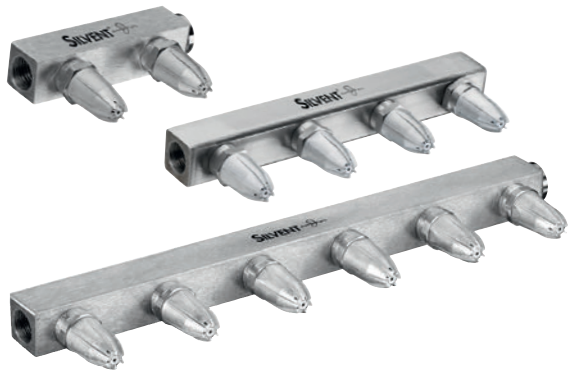
	A	B	C	D
302 L	90	115	165	215
304 L	190	215	265	315
306 L	290	315	365	415

ACCESSORIES



Mounting Brackets
3302. For use with Silvent's air knives and air curtains. For more information see page 161.

SILVENT 306 L-S



- **Stainless steel air curtain**

SILVENT 302 L-S - 306 L-S: is an air knife in stainless steel with 209 L-S nozzles. For applications that require a curtain of air across a broad surface. Typical areas of application include air cleaning, curtains around doors and entrances, paint drying, cleaning of conveyor belts, plywood sheets etc. Custom lengths are available upon request.

TECHNICAL DATA	302 L-S	304 L-S	306 L-S
Blowing force (N)	6.7	13.6	20.4
Air consumption (Nm³/h)	34	68	102
Sound level (dB(A))	81	84	85
Nozzle technology	Laval	Laval	Laval
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)
Connection	G 3/8"	G 3/8"	G 3/8"
Weight (g)	332	612	892
Max temp (°C)	400	400	400
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **27** **dB(A)** **Energy savings** **83** **Nm³/h**

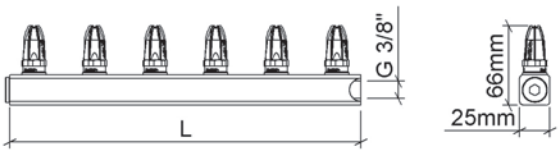
Feed pressure = 500 (kPa)
Material specification: EN 1.4301, EN 1.4305, EN 1.4404

Blowing properties at different pressures (kPa)

302 L-S	200	400	600	800	1000
Blowing force (N)	2.8	5.4	8.0	10.6	13.6
Air consumption (Nm³/h)	17.0	27.6	40.2	52.8	64.4
Sound level (dB(A))	73.0	78.5	81.7	86.0	89.0
304 L-S					
Blowing force (N)	5.6	10.8	16.0	21.2	27.2
Air consumption (Nm³/h)	34.0	55.2	80.4	105.6	128.8
Sound level (dB(A))	76.0	81.5	84.7	89.0	92.0
306 L-S					
Blowing force (N)	8.4	16.2	24.0	31.8	40.8
Air consumption (Nm³/h)	51.0	82.8	120.6	158.4	193.2
Sound level (dB(A))	78.8	83.3	86.5	90.8	93.8

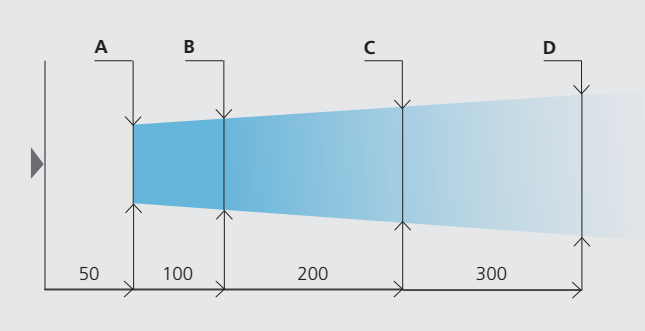
For further information, see page 166 or visit silvent.com.

Dimensions



302 L-S: L=90 mm; **304 L-S:** L=190 mm;
306 L-S: L=290 mm

Blowing coverage (mm)



	A	B	C	D
302 L-S	90	115	165	215
304 L-S	190	215	265	315
306 L-S	290	315	365	415

ACCESSORIES

Mounting Brackets
3302. For use with Silvent's air knives and air curtains. For more information see page 161.

SILVENT 396

- **Air knife (zinc)**

SILVENT 392 - 396: air knife with 920 A flat nozzles and a specially designed aluminum manifold. Air knives have been installed in a wide range of industrial applications. Cooling rollers, drying tobacco, drying parts, blow-off of emulsions, etc. are but a few.

TECHNICAL DATA	392	394	396
Blowing force (N)	11.0	22.0	33.0
Air consumption (Nm³/h)	60	120	180
Sound level (dB(A))	84	87	89
Nozzle technology	Slot	Slot	Slot
Material (nozzle)	Zn	Zn	Zn
Connection	G 3/8"	G 3/8"	G 3/8"
Weight (g)	360	695	1005
Max temp (°C)	70	70	70
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **27** **dB(A)** **Energy savings** **86** **Nm³/h**

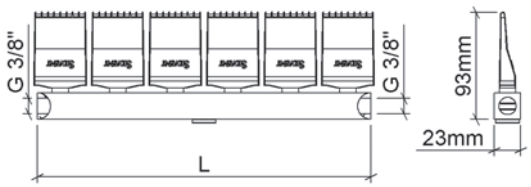
Feed pressure = 500 (kPa)
Material specification: EN AW 6063, Zn ZP0410 EN 12844, CW614N, NBR 70

Blowing properties at different pressures (kPa)

392	200	400	600	800	1000
Blowing force (N)	4.0	8.6	14.0	18.4	22.8
Air consumption (Nm³/h)	24.0	50.0	76.0	100.2	124.0
Sound level (dB(A))	75.0	82.1	86.3	89.6	91.4
394					
Blowing force (N)	8.0	17.2	28.0	36.8	45.6
Air consumption (Nm³/h)	48.0	100.0	152.0	200.4	248.0
Sound level (dB(A))	78.0	85.1	89.3	92.6	94.4
396					
Blowing force (N)	12.0	25.8	42.0	55.2	68.4
Air consumption (Nm³/h)	72.0	150.0	228.0	300.6	372.0
Sound level (dB(A))	79.8	86.9	91.1	94.4	96.2

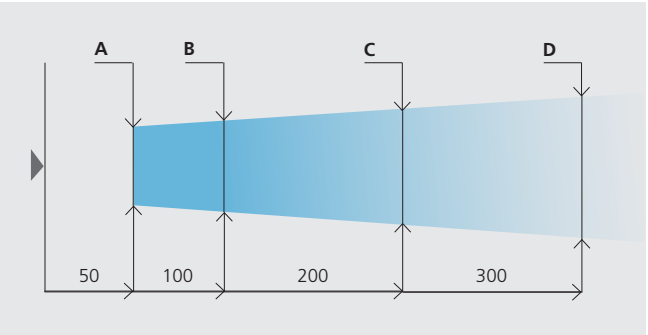
For further information, see page 166 or visit silvent.com.

Dimensions



392: L=90 mm; **394:** L=190 mm; **396:** L=290 mm

Blowing coverage (mm)



	A	B	C	D
392	130	150	190	230
394	230	250	290	330
396	330	350	390	430

ACCESSORIES

Mounting Brackets
3302. For use with Silvent's air knives and air curtains. For more information see page 161.

SILVENT 396 W-S

- **Stainless steel air knife**

SILVENT 392 W-S - 396 W-S: is an energy-efficient, stainless steel air knife that generates an extremely strong, effective blowing force, while keeping the sound level exceptionally low. This air knife makes the best use of compressed air and its unique design introduces an entirely new quality to blowing technology. The effect is achieved through the aerodynamic nozzle design, which maximizes co-ejection of air. This new Silvent Technology utilizes as much of the surrounding jet area as possible.

TECHNICAL DATA	392 W-S	394 W-S	396 W-S
Blowing force (N)	11.0	22.0	33.0
Air consumption (Nm³/h)	55	110	165
Sound level (dB(A))	81	84	86
Nozzle technology	Slot	Slot	Slot
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)
Connection	G 3/8"	G 3/8"	G 3/8"
Weight (g)	374	713	1062
Max temp (°C)	400	400	400
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **30 dB(A)** **Energy savings** **101 Nm³/h**

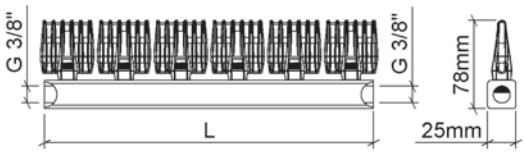
Feed pressure = 500 (kPa)
Material specification: EN 1.4404, EN 1.4301

Blowing properties at different pressures (kPa)

392 W-S	200	400	600	800	1000
Blowing force (N)	5.6	9.2	12.8	16.2	19.6
Air consumption (Nm³/h)	30.0	46.0	62.0	80.0	98.0
Sound level (dB(A))	74.0	79.0	82.0	85.0	87.0
394 W-S					
Blowing force (N)	11.2	18.4	25.6	32.4	39.2
Air consumption (Nm³/h)	60.0	92.0	124.0	160.0	196.0
Sound level (dB(A))	77.0	82.0	85.0	88.0	90.0
396 W-S					
Blowing force (N)	16.8	27.6	38.4	48.6	58.8
Air consumption (Nm³/h)	90.0	138.0	186.0	240.0	294.0
Sound level (dB(A))	78.8	83.8	86.8	89.8	91.8

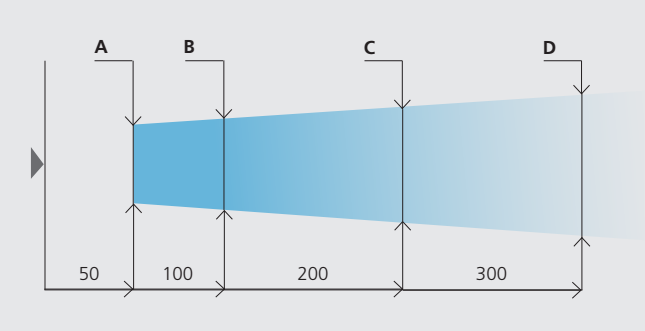
For further information, see page 166 or visit silvent.com.

Dimensions



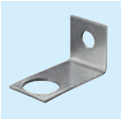
392 W-S: L=90 mm; **394 W-S:** L=190 mm; **396 W-S:** L=290 mm

Blowing coverage (mm)



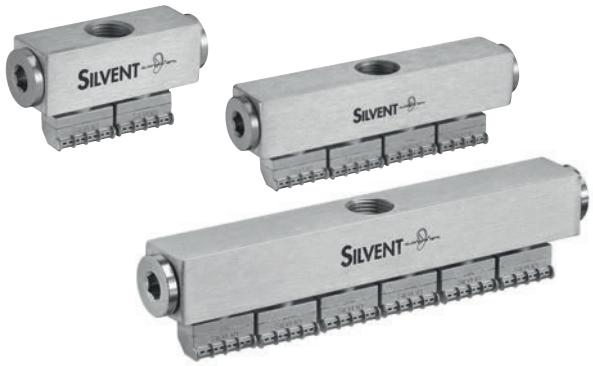
	A	B	C	D
392 W-S	130	150	190	230
394 W-S	230	250	290	330
396 W-S	330	350	390	430

ACCESSORIES



Mounting Brackets
3302. For use with Silvent's air knives and air curtains. For more information see page 161.

SILVENT 366



- **Mini-air knife (zinc)**

SILVENT 362 - 366: a quiet and efficient air knife with angled SILVENT 961 flat nozzles and a specially designed aluminum manifold. The small mounting dimensions make these air knives suitable for machine designs where space is limited. Generates a broad but flat air cone and combines the advantages of low noise level, low air consumption and high blowing efficiency.

TECHNICAL DATA	362	364	366
Blowing force (N)	6.6	13.2	19.8
Air consumption (Nm³/h)	39	78	117
Sound level (dB(A))	84	87	89
Nozzle technology	Slot	Slot	Slot
Material (nozzle)	Zn	Zn	Zn
Connection	G 3/8"	G 3/8"	G 3/8"
Weight (g)	127	206	286
Max temp (°C)	70	70	70
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **23** **dB(A)** | **Energy savings** **68** **Nm³/h**

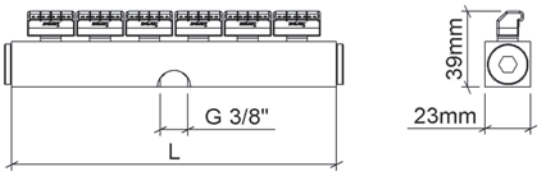
Feed pressure = 500 (kPa)
Material specification: EN AW 6063, Zn ZP0410 EN 12844, CW614N, NBR 70

Blowing properties at different pressures (kPa)

362	200	400	600	800	1000
Blowing force (N)	2.6	5.2	7.8	10.2	13.2
Air consumption (Nm³/h)	18.0	31.0	45.4	59.2	73.0
Sound level (dB(A))	74.1	81.1	85.8	88.5	90.6
364					
Blowing force (N)	5.2	10.4	15.6	20.4	26.4
Air consumption (Nm³/h)	36.0	62.0	90.8	118.4	146.0
Sound level (dB(A))	77.1	84.1	88.8	91.5	93.6
366					
Blowing force (N)	7.8	15.6	23.4	30.6	39.6
Air consumption (Nm³/h)	54.0	93.0	136.2	177.6	219.0
Sound level (dB(A))	78.9	85.9	90.6	93.3	95.4

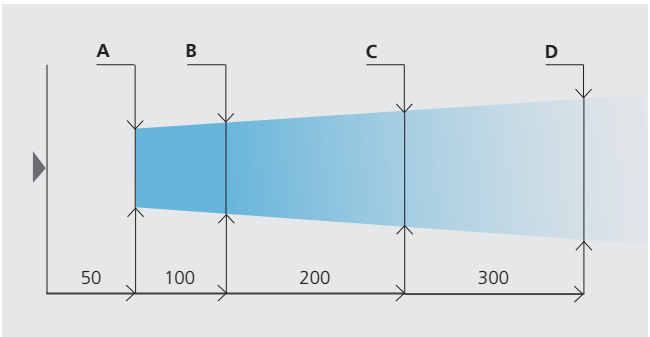
For further information, see page 166 or visit silvent.com.

Dimensions



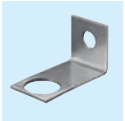
362: L=65 mm; **364:** L=115 mm; **366:** L=165 mm

Blowing coverage (mm)



	A	B	C	D
362	92	112	152	192
364	142	162	202	242
366	192	212	252	292

ACCESSORIES



Mounting Brackets
3302. For use with Silvent's air knives and air curtains. For more information see page 161.

SILVENT 336

- **Stainless steel mini-air knife**

SILVENT 332 - 336: a quiet and efficient air knife with angled SILVENT 931 flat nozzles and a specially designed stainless steel manifold. The small mounting dimensions make these air knives suitable for machine designs where space is limited. Generates a broad but flat air cone and combines the advantages of low noise level, low air consumption and high blowing efficiency.

TECHNICAL DATA	332	334	336
Blowing force (N)	6.8	13.6	20.4
Air consumption (Nm³/h)	36	72	108
Sound level (dB(A))	81	84	86
Nozzle technology	Slot	Slot	Slot
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)
Connection	G 1/2"	G 1/2"	G 1/2"
Weight (g)	195	306	412
Max temp (°C)	400	400	400
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **26 dB(A)** **Energy savings** **77 Nm³/h**

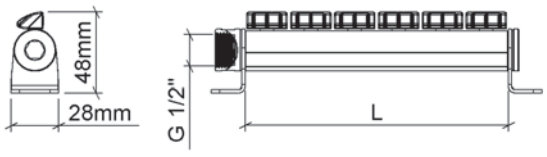
Feed pressure = 500 (kPa)
Material specification: EN 1.4404, CU

Blowing properties at different pressures (kPa)

332	200	400	600	800	1000
Blowing force (N)	3.2	5.8	8.4	11.0	13.6
Air consumption (Nm³/h)	18.0	30.0	42.0	54.0	66.0
Sound level (dB(A))	72.4	79.1	82.8	84.4	85.2
334					
Blowing force (N)	6.4	11.6	16.8	22.0	27.2
Air consumption (Nm³/h)	36.0	60.0	84.0	108.0	132.0
Sound level (dB(A))	75.4	82.1	85.8	87.4	88.2
336					
Blowing force (N)	9.6	17.4	25.2	33.0	40.8
Air consumption (Nm³/h)	54.0	90.0	126.0	162.0	198.0
Sound level (dB(A))	77.2	83.8	87.6	89.2	90.0

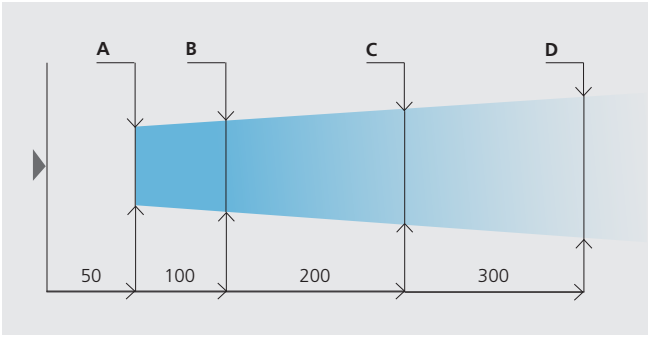
For further information, see page 166 or visit silvent.com.

Dimensions



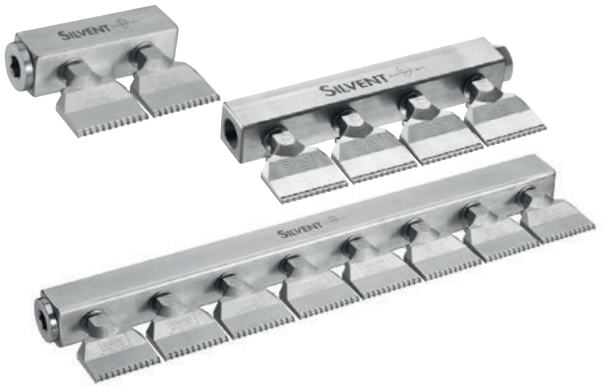
332: L=52 mm; **334:** L=104 mm; **336:** L=156 mm

Blowing coverage (mm)



	A	B	C	D
332	95	115	155	195
334	143	163	203	243
336	197	217	257	297

SILVENT 378



- **Stainless steel air knife**

SILVENT 372 - 378: robust stainless steel air knife with 973 nozzles and a specially designed manifold. Made entirely of stainless steel and thereby suitable for even the most demanding applications, such as those involving aggressive chemical environments, high ambient temperatures or the stringent requirements of the food processing industry.

TECHNICAL DATA	372	374	378
Blowing force (N)	19.0	38.0	76.0
Air consumption (Nm³/h)	116	232	464
Sound level (dB(A))	89	92	95
Nozzle technology	Slot	Slot	Slot
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)
Connection	G 1"	G 1"	G 1"
Weight (g)	875	1545	2865
Max temp (°C)	400	400	400
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **31 dB(A)** **Energy savings** **276 Nm³/h**

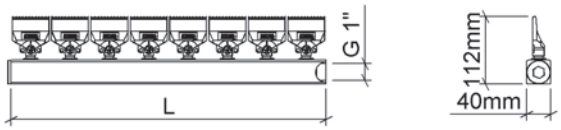
Feed pressure = 500 (kPa)
Material specification: EN 1.4301, EN 1.4404

Blowing properties at different pressures (kPa)

372	200	400	600	800	1000
Blowing force (N)	8.0	15.8	23.0	30.4	37.8
Air consumption (Nm³/h)	58.4	98.0	135.8	174.4	213.0
Sound level (dB(A))	79.7	87.0	90.6	93.5	95.6
374					
Blowing force (N)	16.0	31.6	46.0	60.8	75.6
Air consumption (Nm³/h)	116.8	196.0	271.6	348.8	426.0
Sound level (dB(A))	82.7	90.0	93.6	96.5	98.6
378					
Blowing force (N)	32.0	63.2	92.0	121.6	151.2
Air consumption (Nm³/h)	233.6	392.0	543.2	697.6	852.0
Sound level (dB(A))	85.7	93.0	96.6	99.5	101.6

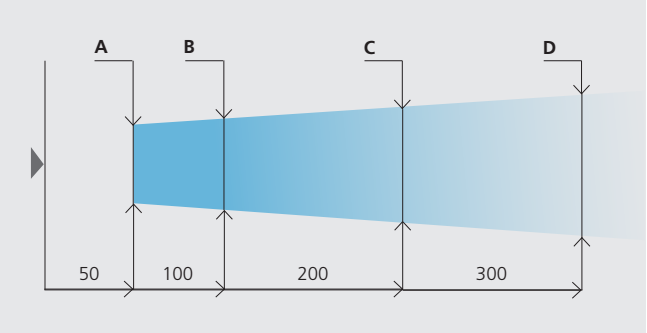
For further information, see page 166 or visit silvent.com.

Dimensions



372: L=130 mm; **374:** L=260 mm; **378:** L=520 mm

Blowing coverage (mm)

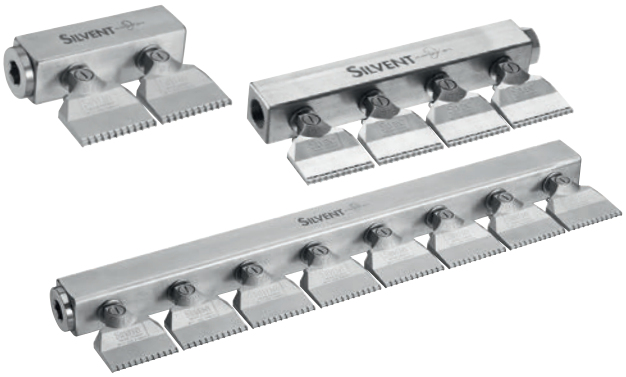


	A	B	C	D
372	165	185	225	265
374	295	315	355	395
378	555	575	615	655

ACCESSORIES

Mounting Brackets
M1E. For use with Silvent's air knives and air curtains. For more information see page 161.

SILVENT 378 F



- **Stainless steel air knife with flow regulation**

SILVENT 372 F - 378 F: robust stainless steel air knife with 973 F nozzles with flow regulation and a specially designed manifold. Made entirely of stainless steel and thereby suitable for even the most demanding applications, such as those involving aggressive chemical environments, high ambient temperatures or the stringent requirements of the food processing industry.

TECHNICAL DATA	372 F	374 F	378 F
Blowing force (N)	19.0	38.0	76.0
Air consumption (Nm³/h)	116	232	464
Sound level (dB(A))	89	92	95
Nozzle technology	Slot	Slot	Slot
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)
Connection	G 1"	G 1"	G 1"
Weight (g)	875	1545	2865
Max temp (°C)	400	400	400
Max op. pressure (MPa)	1.0	1.0	1.0

Noise reduction **31 dB(A)** **Energy savings** **276 Nm³/h**

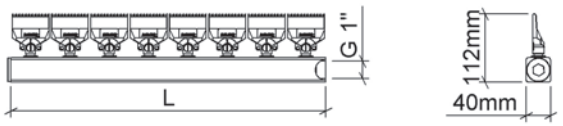
Feed pressure = 500 (kPa)
Material specification: EN 1.4301, EN 1.4404, EN 1.4305

Blowing properties at different pressures (kPa)

372 F	200	400	600	800	1000
Blowing force (N)	8.0	15.8	23.0	30.4	37.8
Air consumption (Nm³/h)	58.4	98.0	135.8	174.4	213.0
Sound level (dB(A))	79.7	87.0	90.6	93.5	95.6
374 F					
Blowing force (N)	16.0	31.6	46.0	60.8	75.6
Air consumption (Nm³/h)	116.8	196.0	271.6	348.8	426.0
Sound level (dB(A))	82.7	90.0	93.6	96.5	98.6
378 F					
Blowing force (N)	32.0	63.2	92.0	121.6	151.2
Air consumption (Nm³/h)	233.6	392.0	543.2	697.6	852.0
Sound level (dB(A))	85.7	93.0	96.6	99.5	101.6

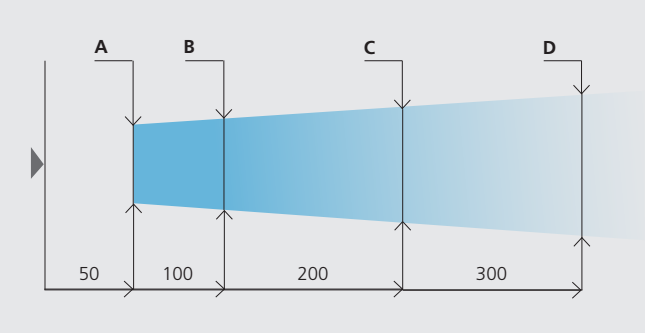
For further information, see page 166 or visit silvent.com.

Dimensions



372 F: L=130 mm; **374 F:** L=260 mm; **378 F:** L=520 mm

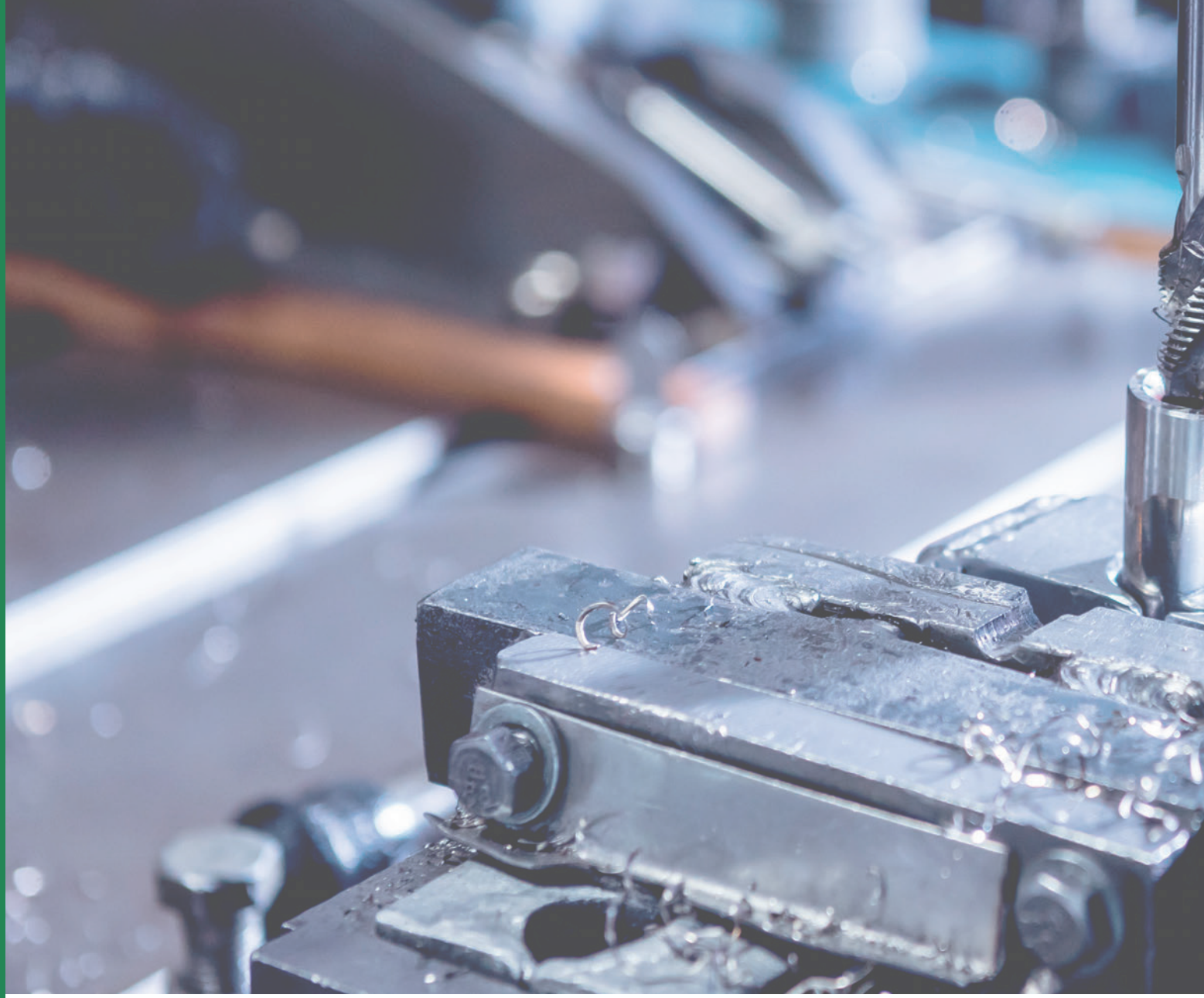
Blowing coverage (mm)



	A	B	C	D
372 F	165	185	225	265
374 F	295	315	355	395
378 F	555	575	615	655

ACCESSORIES

Mounting Brackets
M1E. For use with Silvent's air knives and air curtains. For more information see page 161.



– Manual blowing with compressed air is commonly used in industry for cleaning and drying objects. Silvent's air blow guns use compressed air efficiently.

Air blow guns

Product overview

ProOne

SILVENT **Pro One**
Page 112

SILVENT **Pro One +**
Page 115

SILVENT **Pro One-MJ4-SP**
Page 114

SILVENT **Pro One-MJ5**
Page 114

SILVENT **Pro One-MJ6**
Page 114

reddot award 2017
winner

INTERNATIONAL DESIGN EXCELLENCE AWARDS '17
BRONZE

007-SERIES

SILVENT **007-S**
Page 116

SILVENT **007-L**
Page 118

SILVENT **007-Z**
Page 119

SILVENT **007-MJ4**
Page 120

SILVENT **007-MJ5**
Page 120

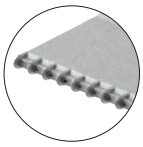
SILVENT **007-MJ6**
Page 120

SILVENT **007-X**
Page 118

SILVENT **007-X+**
Page 118

SILVENT **008-L**
Page 121

SILVENT **59002W**
Page 124



SILVENT **5920**
Page 129

SILVENT **500-S**
Page 126

SILVENT **500-L**
Page 127

SILVENT **500-MJ5**
Page 128

SILVENT **500-MJ6**
Page 128

SILVENT **500-Z**
Page 128

SILVENT **500-X**
Page 126

SILVENT **500-X+**
Page 126

SILVENT **501-L**
Page 129

SPECIAL FEATURES

NON-SCRATCHING

SILVENT **007-P**
Page 119

SILVENT **007-R**
Page 119

SILVENT **500-P**
Page 127

SILVENT **500-R**
Page 127

HOLE BLOWING

SILVENT **BG-007**
Page 121

FLEXBLOW

SILVENT **530**
Page 129

A professional hand tool, developed in close collaboration with users.

Pro One is a durable hand tool designed for professional industrial use. The air blow gun is fitted with a specially designed, patented nozzle in stainless steel. This allows an effective blowing force and a low noise level. The nozzle creates a concentrated jet of air which reduces turbulence, thus enabling a more targeted, effective blowing force. The model has a lightweight, slim design. The ergonomic handle allows several different grips to make work easier and reduce the risk of repetitive strain injuries.

1. LOW WEIGHT, SLIM DESIGN.

The ergonomic handle allows several different grips to make work easier and reduce the risk of repetitive strain injuries. The air blow gun is also designed to comfortably fit both small and large hands.

2. BEST POSSIBLE CONTROL OF BLOWING FORCE.

Thanks to the Pro One's unique technology, the operator has full control over the infinitely variable blowing force. Because trigger opening force is independent of pressure, the risk of repetitive strain injuries is reduced.

3. TWO HANGING OPTIONS –

by the trigger or by the specially designed lug. Both surrounding areas are reinforced to withstand increased wear.

4. REDUCED RISK OF JOINT INJURIES AND HEARING LOSS.

Pro One is equipped with a patented check valve to avoid recoil and peak-sound pressure when disconnecting. This reduces the risk of joint injuries and hearing loss. The connection is also fitted with a filter that prevents large particles from entering the air blow gun. Pro One has a ¼" metal connector.

SILVENT Pro One

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	2.8
Air consumption (Nm³/h)	14
Sound level (dB(A))	78
Nozzle technology	Multi-Laval
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	150
Max temp (°C)	70
Max op. pressure (MPa)	0.7

Noise reduction **17** **dB(A)**

Energy savings **16** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EN 1.4404, EN 1.4305, EN 1.4310 , AL, PA66, TPE, TPU, NBR, PU

**For further information, see page 166 or visit silvent.com.*

Pro One has an ergonomic handle that accommodates various grips. The safety air gun is designed to comfortably fit both small and large hands.

WITH A 300 MM EXTENSION PIPE

Standard - 70 mm

300 mm

Pro One can also be ordered with a 300 millimeter long extension pipe.

reddot design award winner 2017

INTERNATIONAL DESIGN EXCELLENCE AWARDS '17 BRONZE

EXTENSIONS

300 mm	Pro One-300

suvapro CERTIFICATION

OSHA

SILVENT Pro One-MJ4-SP

- **Stainless steel micro nozzle (narrow blowing pipe)**

SILVENT Pro One-MJ4-SP: with a Ø5 mm "skinny pipe" and a micro nozzle for high precision, low noise and low energy consumption. The "skinny pipe" makes it possible to reach areas where it before has been impossible to blow. Due to the Pro One's unique technology, the operator has full control over the infinitely variable blowing force. This is our most silent air blow gun with a sound level of just 76 dB(A), and the air blow gun with the lowest air consumption in our assortment.

TECHNICAL DATA	Pro One-MJ4-SP
Replace open pipe Ø (mm)	2
Blowing force (N)	0.9
Air consumption (Nm³/h)	4
Sound level (dB(A))	76

Noise reduction	Energy savings
8 dB(A)	**4** Nm³/h

SILVENT Pro One-MJ5

- **Stainless steel micro nozzle**

SILVENT Pro One-MJ5: with a micro nozzle for high precision, low noise and low energy consumption. Due to the Pro One's unique technology, the operator has full control over the infinitely variable blowing force. This is an alternative to Pro One if you need an air blow gun with less blowing force. The blowing force is 1.8 N (6.4 oz) or approx. 50% of that of a standard air blow gun.

TECHNICAL DATA	Pro One-MJ5
Replace open pipe Ø (mm)	2.5
Blowing force (N)	1.8
Air consumption (Nm³/h)	10
Sound level (dB(A))	79

Noise reduction	Energy savings
8 dB(A)	**2** Nm³/h

SILVENT Pro One-MJ6

- **Stainless steel micro nozzle**

SILVENT Pro One-MJ6: with a micro nozzle for high precision, low noise and low energy consumption. Due to the Pro One's unique technology, the operator has full control over the infinitely variable blowing force. This is an alternative to Pro One if you need an air blow gun with less blowing force. The blowing force is 2.5 N (8.8 oz) or approx. 75% of that of a standard air blow gun.

TECHNICAL DATA	Pro One-MJ6
Replace open pipe Ø (mm)	3
Blowing force (N)	2.5
Air consumption (Nm³/h)	14
Sound level (dB(A))	82

Noise reduction	Energy savings
8 dB(A)	**3** Nm³/h

SILVENT Pro One +

- **Stainless steel multi-Laval nozzle**

Pro One + is equipped with an extra powerful multi-Laval air nozzle that generates a blowing force that is 50% stronger compared to a regular Pro One while also minimizing the sound level.

TECHNICAL DATA	Pro One +
Replace open pipe Ø (mm)	5
Blowing force (N)	4.3
Air consumption (Nm³/h)	24
Sound level (dB(A))	82

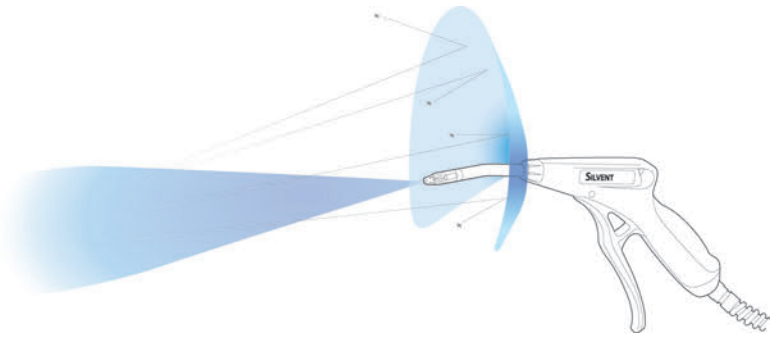
Noise reduction	Energy savings
17 dB(A)	**23** Nm³/h

TECHNICAL DATA	Pro One	Pro One-MJ4-SP	Pro One-MJ5	Pro One-MJ6	Pro One +
Replace open pipe Ø (mm)	4	2	2.5	3	5
Blowing force (N)	2.8	0.9	1.8	2.5	4.3
Air consumption (Nm³/h)	14	4	10	14	24
Sound level (dB(A))	78	76	79	82	82
Nozzle technology	Multi-Laval	Slot	Slot	Slot	Multi-Laval
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Weight (g)	150	140	150	155	150
Max temp (°C)	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	Pro One	Pro One-MJ4-SP	Pro One-MJ5	Pro One-MJ6	Pro One +
300 mm	Pro One-300	Pro One-MJ4-SP-300	Pro One-MJ5-300	Pro One-MJ6-300	Pro One-300 +

ACCESSORIES	Pro One	Pro One-MJ4-SP	Pro One-MJ5	Pro One-MJ6	Pro One +
Air shield	Pro One-AS	–	–	–	–



Safety air blow gun with entirely unique advantages

SILVENT 007-S: with a stainless steel nozzle that generates an energy efficient and silent blowing force. Suitable for really tough conditions. The solid stainless steel nozzle tip is designed to withstand intensive mechanical wear. 007-S is suitable in all industries. Blowing force 2.8 N (9.9 oz).

1 TWO-STEP SYSTEM

The 007 grip features a unique valve design with a two-step system that considerably reduces both noise levels and energy consumption. The first step, variable position, allows variable adjustment of the blowing force and is more than adequate for most types of work. It generates a low sound level and permits energy savings of up to 50%. The air blow gun's second step, the "booster position", delivers twice the blowing force for the most demanding operation.

2 TOP AND BOTTOM CONNECTION

The grip offers two connection possibilities – both top and bottom air supply connection. From the viewpoint of safety, as well as ergonomics, top connection is the best alternative. Safety valves at the connections eliminate the risk of injury.

3 SOFTGRIP HANDLE

The 007 air blow gun has an ergonomically designed Soft-grip handle of synthetic rubber that is highly durable and oil resistant. The material insulates well against heat and cold, and the handle is easy on the hand and wrist.

SILVENT 007-S

007-S fitted with a protective screen (590) to prevent splash-back on the operator.

TECHNICAL DATA

Replace open pipe Ø (mm)	4
Blowing force (N)	2.8
Air consumption (Nm³/h)	16
Sound level (dB(A))	81
Nozzle technology	Slot
Material (nozzle)	1.4404 (316L)
Connection	G 1/4"
Weight (g)	205
Max temp (°C)	70
Max op. pressure (MPa)	0.7

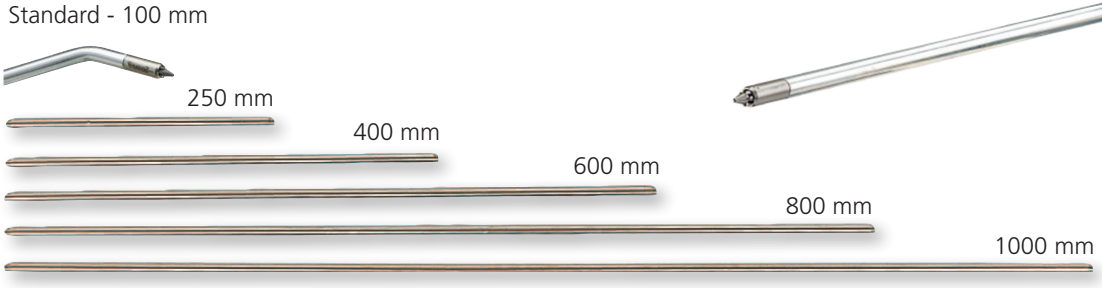
Noise reduction **14** **dB(A)**

Energy savings **14** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: Delrin 100P BK602, EN AW 2011 T8, EN 10270-3-1.4310, Desmopan 460, NBR 70, EN 1.0718, PUR, EN 10305-1, Fzb, EN 1.4404

For further information, see page 166 or visit silvent.com.

EXTENSION PIPES IN 6 LENGTHS



Our 007 safety air gun series is available with six different extension pipe lengths. The pipes are made of galvanized steel. When ordering safety guns with extension pipes that are longer than 100 mm (4"), specify the pipe length last in the order number. Air blow gun-extension pipe length: e.g. **007-S-1000**.

EXTENSIONS

250 mm	007-S-250
400 mm	007-S-400
600 mm	007-S-600
800 mm	007-S-800
1000 mm	007-S-1000

SILVENT 007-X

suvapro CERTIFICATION

- **Stainless steel multi-Laval nozzle**

SILVENT 007-X: is a professional air blow gun designed with a revolutionary air nozzle technology for optimal efficiency, safety and noise reduction. The new patented multi-Laval technology constitutes a new dimension in blowing technology. The effect is achieved by optimizing the air pressure change from potential energy to aimed concentrated kinetic energy. The stainless steel air nozzle is the outcome of Silvent's leading R&D in compressed air dynamics. The air blow gun is suitable in any industry where professional tools are required to make the job quick, quiet and with the operator's safety in mind.

TECHNICAL DATA	007-X
Replace open pipe Ø (mm)	4
Blowing force (N)	2.8
Air consumption (Nm³/h)	14
Sound level (dB(A))	78

Noise reduction	Energy savings
17 dB(A)	16 Nm³/h

SILVENT 007-X+

- **Stainless steel multi-Laval nozzle**

007-X+ is equipped with an extra powerful multi-Laval air nozzle that generates a blowing force that is 60% stronger compared to a regular 007-X while also minimizing the sound level.

TECHNICAL DATA	007-X+
Replace open pipe Ø (mm)	5
Blowing force (N)	4.5
Air consumption (Nm³/h)	26
Sound level (dB(A))	83

Noise reduction	Energy savings
16 dB(A)	21 Nm³/h

SILVENT 007-L

- **Stainless steel Laval nozzle**

SILVENT 007-L with a Laval nozzle is the most commonly chosen alternative. A stainless steel Laval nozzle mounted onto the 007 grip handles nearly any blowing application. A Laval orifice in the center of the nozzle creates a highly concentrated air stream that moves at supersonic speed. Around the Laval hole there are a number of diverging slots that generate a powerful, quiet and laminar airflow. The combination provides superior cleaning performance and optimal utilization of the compressed air. Fins prevent direct contact between skin and the outlet holes.

TECHNICAL DATA	007-L
Replace open pipe Ø (mm)	4
Blowing force (N)	3.5
Air consumption (Nm³/h)	22
Sound level (dB(A))	82

Noise reduction	Energy savings
13 dB(A)	8 Nm³/h

SILVENT 007-P

suvapro CERTIFICATION

- **Scratch-free PEEK nozzle**

SILVENT 007-P: with a PEEK nozzle that prevents unnecessary scratching. The PEEK nozzle has been specially developed for sensitive applications where expensive tools and machines absolutely may not be damaged. The nozzle is fitted on a flexible PA 12 pipe that provides additional protection against scratches caused by mechanical impact. PEEK is a unique plastic material with properties that meet the rigorous quality and safety requirements of, for example, the aerospace industry. It is extremely impact resistant and is capable of handling aggressive chemical environments, strong cutting fluids and temperatures of up to 260°C (500°F). The nozzle is designed with a central hole that generates a concentrated air stream. At the same time, the sound level is low and air consumption is reduced. The PEEK guns are available with three different extension pipe lengths.

TECHNICAL DATA	007-P
Replace open pipe Ø (mm)	3
Blowing force (N)	2.4
Air consumption (Nm³/h)	14
Sound level (dB(A))	79

Noise reduction	Energy savings
11 dB(A)	3 Nm³/h

SILVENT 007-R

- **Scratch-free EPDM Laval nozzle**

SILVENT 007-R is part of a completely new generation of air blow guns designed for blowing applications aimed at avoiding scratches on equipment and products. The 007-R is equipped with an energy-efficient Laval nozzle that is part of Silvent's new "Silvent Soft™" series. The air nozzle is specially made in EPDM rubber to minimize the risk of scratches. The product meets the unique combination of demands for a scratch-free surface and high blowing force by applying Silvent's patented Laval technology.

TECHNICAL DATA	007-R
Replace open pipe Ø (mm)	4
Blowing force (N)	3.5
Air consumption (Nm³/h)	20
Sound level (dB(A))	81.1

Noise reduction	Energy savings
14 dB(A)	10 Nm³/h

SILVENT 007-Z

- **Slot nozzle (zinc)**

SILVENT 007-Z: with a zinc slot nozzle that efficiently utilizes the surrounding air. Provides powerful, quiet and efficient cleaning. For general-purpose blowing in environments where the nozzle is exposed to minimal mechanical wear. Blowing force 3.0 N (10.6 oz).

TECHNICAL DATA	007-Z
Replace open pipe Ø (mm)	4
Blowing force (N)	3.0
Air consumption (Nm³/h)	17
Sound level (dB(A))	79

Noise reduction	Energy savings
16 dB(A)	13 Nm³/h

SILVENT 007-MJ4

suvapro CERTIFICATION

- **Stainless steel micro nozzle**

SILVENT 007-MJ4: with a micro nozzle for high precision and low energy consumption. By combining the 007 grip's valve construction and a stainless steel micro nozzle, you can blow exactly the amount of air required. A central hole in combination with surrounding slots makes the nozzle extremely efficient and quiet. Compared with conventional air blow guns without a nozzle, a SILVENT micro nozzle permits you to reduce compressed air consumption by up to 75% and, at the same time, keep the noise level under 76 dB(A). The blowing force is approx. 25% of that of a standard gun.

TECHNICAL DATA	007-MJ4
Replace open pipe Ø (mm)	2
Blowing force (N)	0.9
Air consumption (Nm³/h)	4
Sound level (dB(A))	76

Noise reduction	Energy savings
8 dB(A)	4 Nm³/h

SILVENT 007-MJ5

- **Stainless steel micro nozzle**

SILVENT 007-MJ5: an alternative to 007-MJ4 if you need a little more blowing force. The blowing force is 1.8 N (6.4 oz) or approx. 50% of that of a standard air blow gun.

TECHNICAL DATA	007-MJ5
Replace open pipe Ø (mm)	2.5
Blowing force (N)	1.8
Air consumption (Nm³/h)	10
Sound level (dB(A))	79

Noise reduction	Energy savings
8 dB(A)	2 Nm³/h

SILVENT 007-MJ6

- **Stainless steel micro nozzle**

SILVENT 007-MJ6: an alternative to 007-MJ4 if you need a little more blowing force. The blowing force is 2.5 N (8.8 oz) or approx. 75% of that of a standard air blow gun.

TECHNICAL DATA	007-MJ6
Replace open pipe Ø (mm)	3
Blowing force (N)	2.5
Air consumption (Nm³/h)	14
Sound level (dB(A))	82

Noise reduction	Energy savings
8 dB(A)	3 Nm³/h

SILVENT 008-L

- **Laval nozzle (zinc)**

SILVENT 008-L: fitted with a new generation of zinc Laval nozzle. A mix of divergent slots and holes surround the central Laval orifice, providing quiet, powerful and laminar air flow. This air blow gun is especially suitable for sweeping large areas or general-purpose cleaning of parts and machines. The fin design of the nozzle prevents direct contact with skin.

TECHNICAL DATA	008-L
Replace open pipe Ø (mm)	4
Blowing force (N)	2.9
Air consumption (Nm³/h)	15
Sound level (dB(A))	78

Noise reduction	Energy savings
17 dB(A)	15 Nm³/h

SILVENT BG-007

- **Hole blower**

SILVENT BG-007: hole-blower that replaces conventional air blow guns when cleaning out blind holes. Clean-out of blind holes generates extremely high and dangerous noise levels. BG-007 eliminates hazardous noise and collects flying chips and debris directly in a sealed container. This closed system ensures a cleaner, quieter, and safer working environment. Fitted with a specially designed rubber collar that completely seals off the hole during clean-out. The flexibility of the collar allows adjustment to the ergonomically correct working angle. The collection vessel is easy to empty and can be rotated 360°. Provides both top and bottom air supply connection.

TECHNICAL DATA	BG-007
Replace open pipe Ø (mm)	4
Blowing force (N)	1
Air consumption (Nm³/h)	4
Sound level (dB(A))	77

Noise reduction	Energy savings
18 dB(A)	26 Nm³/h

TECHNICAL DATA	007-S	007-X	007-X+	007-L	007-P	007-R
Replace open pipe Ø (mm)	4	4	5	4	3	4
Blowing force (N)	2.8	2.8	4.5	3.5	2.4	3.5
Air consumption (Nm³/h)	16	14	26	22	14	20
Sound level (dB(A))	81	78	83	82	79	81.1
Nozzle technology	Slot	Multi-Laval	Multi-Laval	Laval	Hole	Laval
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)	1.4542 (630)	PEEK	EPDM
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Weight (g)	205	187	187	186	163	205
Max temp (°C)	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	007-S	007-X	007-X+	007-L	007-P	007-R
250 mm	007-S-250	007-X-250	007-X-250+	007-L-250	007-P-250	007-R-250
400 mm	007-S-400	007-X-400	007-X-400+	007-L-400	–	007-R-400
500 mm	–	–	–	–	007-P-500	–
600 mm	007-S-600	007-X-600	007-X-600+	007-L-600	–	007-R-600
800 mm	007-S-800	007-X-800	007-X-800+	007-L-800	–	007-R-800
1000 mm	007-S-1000	007-X-1000	007-X-1000+	007-L-1000	–	007-R-1000

ACCESSORIES	007-S	007-X	007-X+	007-L	007-P	007-R
Air shield	AS1	AS1	–	AS1	–	–
Safety shield	590	590	590	590	590	–

TECHNICAL DATA	007-Z	007-MJ4	007-MJ5	007-MJ6	008-L	BG-007
Replace open pipe Ø (mm)	4	2	2.5	3	4	4
Blowing force (N)	3.0	0.9	1.8	2.5	2.9	1
Air consumption (Nm³/h)	17	4	10	14	15	4
Sound level (dB(A))	79	76	79	82	78	77
Nozzle technology	Slot	Slot	Slot	Slot	Laval	Hole
Material (nozzle)	Zn	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)	Zn	1.4305 (303)
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Weight (g)	205	187	187	188	213	305
Max temp (°C)	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	007-Z	007-MJ4	007-MJ5	007-MJ6	008-L	BG-007
250 mm	007-Z-250	007-MJ4-250	007-MJ5-250	007-MJ6-250	–	–
400 mm	007-Z-400	007-MJ4-400	007-MJ5-400	007-MJ6-400	–	–
500 mm	–	–	–	–	–	–
600 mm	007-Z-600	007-MJ4-600	007-MJ5-600	007-MJ6-600	–	–
800 mm	007-Z-800	007-MJ4-800	007-MJ5-800	007-MJ6-800	–	–
1000 mm	007-Z-1000	007-MJ4-1000	007-MJ5-1000	007-MJ6-1000	–	–

ACCESSORIES	007-Z	007-MJ4	007-MJ5	007-MJ6	008-L	BG-007
Air shield	AS1	AS1	AS1	AS1	–	–
Safety shield	590	590	590	590	591	–

Safety air blow gun with a short trigger that is easy on the hand

SILVENT 59002W: an air blow gun fitted with an energy-efficient flat nozzle that generates a strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this air blow gun, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimize the entrainment area. The air nozzle is made exclusively of Zytel, a high-performance material without which the unique and truly complex Laval orifices would not be possible. These small orifices combined with the aerodynamic slots of the nozzle provide high efficiency. This air blow gun is ideal for quickly and efficiently blowing surfaces clean without risk of scratches.

NO MUSCLE STRAIN

The trigger mechanism requires a pressure of only 7 N (25 oz), which means that the gun can be used frequently without the risk of taxing muscles. The average finger strength of men is 96 N (339 oz) and of women, 81 N (295 oz). When less than 10% of the maximum strength of a finger is used, no injury arises due to muscle strain.

ERGONOMICS AND PRECISION

The combination of an ergonomic handle and a short trigger for one or two fingers provides a perfect grip as well as the possibility to aim the air blow gun with precision and feeling. The ergonomic design of the handle automatically gives you the optimal blowing position so that you do not need to bend your wrist.

TRIGGERS

Fitted with short triggers as standard to provide the most ergonomic grip. If desired however, they can also be equipped with extended triggers.

SILVENT 59002W

TECHNICAL DATA

Replace open pipe Ø (mm)	6
Blowing force (N)	6.0
Air consumption (Nm³/h)	30
Sound level (dB(A))	80
Nozzle technology	Laval
Material (nozzle)	ZYTEL
Connection	G 1/4"
Weight (g)	167
Max temp (°C)	70
Max op. pressure (MPa)	0.7

Noise reduction **22** **dB(A)**

Energy savings **37** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: Delrin 100P BK602, NBR 70, EN 1.0718, Fzb, Zytel HTN FG52G35 HSL BK011, Desmopan 487

For further information, see page 166 or visit silvent.com.

All safety air guns in the 500 series can be fitted with long triggers.

Good working environment?

Noise levels too high? Harmful noise levels? Above 85 dB(A)? The first step toward a better work environment often involves simple measurements in production. Order a SPL unit. Then all you need to do is start measuring.

Order no: SPL

SILVENT 500-X

suvapro CERTIFICATION

- **Stainless steel multi-Laval nozzle**

SILVENT 500-X: is an ergonomic air blow gun designed with a revolutionary air nozzle technology for optimal efficiency, safety and noise reduction. The new patented multi-Laval technology constitutes a new dimension in blowing technology. The effect is achieved by optimizing the air pressure change from potential energy to aimed concentrated kinetic energy. The stainless steel air nozzle is the outcome of Silvent's leading R&D in compressed air dynamics. The air blow gun is suitable in any industry where ergonomic tools are required to make the job quick, quiet and with the operator's safety in mind.

TECHNICAL DATA	500-X
Replace open pipe Ø (mm)	4
Blowing force (N)	2.8
Air consumption (Nm³/h)	14
Sound level (dB(A))	78

Noise reduction	Energy savings
17 dB(A)	16 Nm³/h

SILVENT 500-X+

- **Stainless steel multi-Laval nozzle**

500-X+ is equipped with an extra powerful multi-Laval air nozzle that generates a blowing force that is 90% stronger compared to a regular 500-X while also minimizing the sound level.

TECHNICAL DATA	500-X+
Replace open pipe Ø (mm)	5
Blowing force (N)	5.3
Air consumption (Nm³/h)	30
Sound level (dB(A))	84

Noise reduction	Energy savings
15 dB(A)	17 Nm³/h

SILVENT 500-S

- **Stainless steel slot nozzle**

SILVENT 500-S is fitted with a stainless steel nozzle. Stainless steel nozzles are most suitable for really tough conditions. The nozzle's solid stainless steel tip is built to withstand intensive mechanical wear. This air blow gun was developed with the user in mind, and it is the result of many years of research.

TECHNICAL DATA	500-S
Replace open pipe Ø (mm)	4
Blowing force (N)	3.2
Air consumption (Nm³/h)	19
Sound level (dB(A))	81

Noise reduction	Energy savings
14 dB(A)	11 Nm³/h

SILVENT 500-L

- **Stainless steel Laval nozzle**

SILVENT 500-L: with a stainless steel Laval nozzle. A Laval hole in the center of the nozzle creates a highly concentrated air stream that moves at supersonic speed. Around the Laval hole there are also a number of diverging slots that generate a powerful, quiet and laminar air flow. The combination provides superior cleaning performance and optimal utilization of the compressed air. Fins prevent direct contact between skin and the outlet holes. Blowing force 4.2 N (14.8 oz).

TECHNICAL DATA	500-L
Replace open pipe Ø (mm)	5
Blowing force (N)	4.2
Air consumption (Nm³/h)	25
Sound level (dB(A))	83

Noise reduction	Energy savings
16 dB(A)	22 Nm³/h

SILVENT 500-P

- **Scratch-free PEEK nozzle**

SILVENT 500-P: with a PEEK nozzle that prevents unnecessary scratching. The PEEK nozzle has been specially developed for sensitive applications where expensive tools and machines absolutely may not be damaged. The nozzle is fitted on a flexible PA 12 pipe that provides additional protection against scratches caused by mechanical impact. PEEK is a unique plastic material with properties that meet the rigorous quality and safety requirements of, for example, the aerospace industry. It is extremely impact resistant and is capable of handling aggressive chemical environments, strong cutting fluids and temperatures of up to 260°C (500°F). The nozzle is designed with a central hole that generates a concentrated air stream. At the same time, the sound level is low and air consumption is reduced. The PEEK guns are available with three different extension pipe lengths.

TECHNICAL DATA	500-P
Replace open pipe Ø (mm)	4
Blowing force (N)	2.7
Air consumption (Nm³/h)	15
Sound level (dB(A))	80

Noise reduction	Energy savings
15 dB(A)	15 Nm³/h

SILVENT 500-R

- **Scratch-free EPDM Laval nozzle**

SILVENT 500-R: part of a completely new generation of air blow guns designed for blowing applications aimed at avoiding scratches on equipment and products. The 500-R is equipped with an energy-efficient Laval nozzle that is part of Silvent's new "SILVENT SOFT™" series. The air nozzle is specially made in EPDM rubber to minimize the risk of scratches. The product meets the unique combination of demands for a scratch-free surface and high blowing force by applying Silvent's patented Laval technology.

TECHNICAL DATA	500-R
Replace open pipe Ø (mm)	5
Blowing force (N)	4.0
Air consumption (Nm³/h)	23
Sound level (dB(A))	81

Noise reduction	Energy savings
18 dB(A)	24 Nm³/h

SILVENT 500-MJ5

- **Stainless steel micro nozzle**

SILVENT 500-MJ5: an alternative if you want less blowing force than that of 500-S. The blowing force is 1.8 N (6.4 oz).

TECHNICAL DATA	500-MJ5
Replace open pipe Ø (mm)	2.5
Blowing force (N)	1.8
Air consumption (Nm³/h)	10
Sound level (dB(A))	79

Noise reduction	Energy savings
8 dB(A)	2 Nm³/h

SILVENT 500-MJ6

- **Stainless steel micro nozzle**

SILVENT 500-MJ6: an alternative if you need a little less blowing force than that of 500-S. The blowing force is 2.5 N (8.8 oz).

TECHNICAL DATA	500-MJ6
Replace open pipe Ø (mm)	3
Blowing force (N)	2.5
Air consumption (Nm³/h)	14
Sound level (dB(A))	82

Noise reduction	Energy savings
8 dB(A)	3 Nm³/h

SILVENT 500-Z

- **Slot nozzle (zinc)**

SILVENT 500-Z: fitted with a zinc slot nozzle and suitable for general-purpose cleaning in environments where the nozzle is subject to little or no mechanical wear. Provides strong and extremely quiet blow-off power. The sound level is just 79 dB(A). For more aggressive environments, we recommend our 500-L or 500-S safety guns with nozzles of stainless steel.

TECHNICAL DATA	500-Z
Replace open pipe Ø (mm)	4
Blowing force (N)	3.2
Air consumption (Nm³/h)	19
Sound level (dB(A))	79

Noise reduction	Energy savings
16 dB(A)	11 Nm³/h

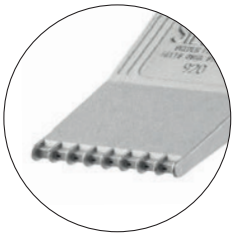
SILVENT 501-L

- **Laval nozzle (zinc)**

SILVENT 501-L: fitted with a new generation of zinc Laval nozzle. A mix of divergent slots and holes surround the central Laval orifice, providing quiet, powerful and laminar air flow. This air blow gun is especially suitable for sweeping large areas or general-purpose cleaning of parts and machines. The fin design of the nozzle prevents direct contact with skin.

TECHNICAL DATA	501-L
Replace open pipe Ø (mm)	4
Blowing force (N)	3.4
Air consumption (Nm³/h)	17
Sound level (dB(A))	78

Noise reduction	Energy savings
17 dB(A)	13 Nm³/h



SILVENT 5920

- **Flat nozzle (zinc)**

SILVENT 5920: with a flat nozzle for applications where you want the air stream to strike a wider surface for quick and efficient blow-off. This low-noise nozzle is made of zinc and its outlet ports are protected against external forces by fins.

TECHNICAL DATA	5920
Replace open pipe Ø (mm)	6
Blowing force (N)	5.5
Air consumption (Nm³/h)	30
Sound level (dB(A))	81

Noise reduction	Energy savings
21 dB(A)	37 Nm³/h

SILVENT 530

- **Slot nozzle (zinc)**

SILVENT 530: Flexgun fitted with a bendable hose that can be adjusted to any position. The hose will not wander, even when blowing at high pressures. Flexgun is outstanding for blowing deep inside machines and motors or wherever it is difficult to reach with conventional air blow guns. Highly recommended for any blowing applications that are hard to reach or directly dangerous for the operator. Flexgun allows you to perform these operations without risking injury to eyes or hands from flying chips. The length of the hose is 300 mm (11.81") and SILVENT offers 3 additional standard lengths.

TECHNICAL DATA	530
Replace open pipe Ø (mm)	4
Blowing force (N)	2.9
Air consumption (Nm³/h)	16
Sound level (dB(A))	79

Noise reduction	Energy savings
16 dB(A)	14 Nm³/h

TECHNICAL DATA	59002W	500-X	500-X+	500-S	500-L	500-P	500-R
Replace open pipe Ø (mm)	6	4	5	4	5	4	5
Blowing force (N)	6.0	2.8	5.3	3.2	4.2	2.7	4.0
Air consumption (Nm³/h)	30	14	30	19	25	15	23
Sound level (dB(A))	80	78	84	81	83	80	81
Nozzle technology	Laval	Multi-Laval	Multi-Laval	Slot	Laval	Hole	Laval
Material (nozzle)	ZYTEL	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)	1.4542 (630)	PEEK	EPDM
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Weight (g)	167	143	143	144	142	119	154
Max temp (°C)	70	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	59002W	500-X	500-X+	500-S	500-L	500-P	500-R
200 mm	–	–	–	–	–	–	–
250 mm	–	500-X-250	500-X-250+	500-S-250	500-L-250	500-P-250	500-R-250
400 mm	–	500-X-400	500-X-400+	500-S-400	500-L-400	–	500-R-400
500 mm	–	–	–	–	–	500-P-500	–
600 mm	–	500-X-600	500-X-600+	500-S-600	500-L-600	–	500-R-600
800 mm	–	500-X-800	500-X-800+	500-S-800	500-L-800	–	500-R-800
1000 mm	–	500-X-1000	500-X-1000+	500-S-1000	500-L-1000	–	500-R-1000

ACCESSORIES	59002W	500-X	500-X+	500-S	500-L	500-P	500-R
Air shield	–	AS1	–	AS1	AS1	–	–
Safety shield	–	590	590	590	590	590	–
Long trigger	59002W-H	500-X-H	500-X-H+	500-S-H	500-L-H	500-P-H	500-R-H

TECHNICAL DATA	500-Z	500-MJ5	500-MJ6	501-L	5920	530
Replace open pipe Ø (mm)	4	2.5	3	4	6	4
Blowing force (N)	3.2	1.8	2.5	3.4	5.5	2.9
Air consumption (Nm³/h)	19	10	14	17	30	16
Sound level (dB(A))	79	79	82	78	81	79
Nozzle technology	Slot	Slot	Slot	Laval	Slot	Slot
Material (nozzle)	Zn	1.4404 (316L)	1.4404 (316L)	Zn	Zn	Zn
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Weight (g)	145	143	144	146	264	220
Max temp (°C)	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	500-MJ5	500-MJ6	500-Z	501-L	5920	530
200 mm	–	–	–	–	–	520
250 mm	500-MJ5-250	500-MJ6-250	500-Z-250	–	–	–
400 mm	500-MJ5-400	500-MJ6-400	500-Z-400	–	–	540
500 mm	–	–	–	–	–	550
600 mm	500-MJ5-600	500-MJ6-600	500-Z-600	–	–	–
800 mm	500-MJ5-800	500-MJ6-800	500-Z-800	–	–	–
1000 mm	500-MJ5-1000	500-MJ6-1000	500-Z-1000	–	–	–

ACCESSORIES	500-MJ5	500-MJ6	500-Z	501-L	5920	530
Air shield	AS1	AS1	AS1	–	–	–
Safety shield	590	590	590	591	–	590
Long trigger	500-MJ5-H	500-MJ6-H	500-Z-H	501-L-H	5920-H	–

Product overview

2000-SERIES

SILVENT **2053-X**
Page 134

NEW!

SILVENT **2055-A-SG**
Page 136

SILVENT **2053-L-SG**
Page 136

SILVENT **2055-S**
Page 136

SILVENT **29002W-S+**
Page 137

SILVENT **2973**
Page 137

SILVENT **2050-X**
Page 138

SILVENT **2050-X+**
Page 138

SILVENT **2050-S**
Page 138

SILVENT **2050-L**
Page 139

750-SERIES

SILVENT **767-L**
Page 142

SILVENT **757-L**
Page 144

SILVENT **755-L**
Page 144

SILVENT **753-L**
Page 144

SILVENT **750-W**
Page 145

ACCESSORIES

All air blow guns in the 750-series are available with long trigger.

SILVENT **767-L-H**
Page 143

4000-SERIES

SILVENT **4015-LF**
Page 146

SILVENT **4020-LF**
Page 148

SILVENT **4010-S**
Page 148

SPECIAL FEATURES: NON-SCRATCHING

SILVENT **2804-R**
Page 137

SILVENT **758-R**
Page 145

FLEXBLOW

SILVENT **2220-L**
Page 139

ACCESSORIES

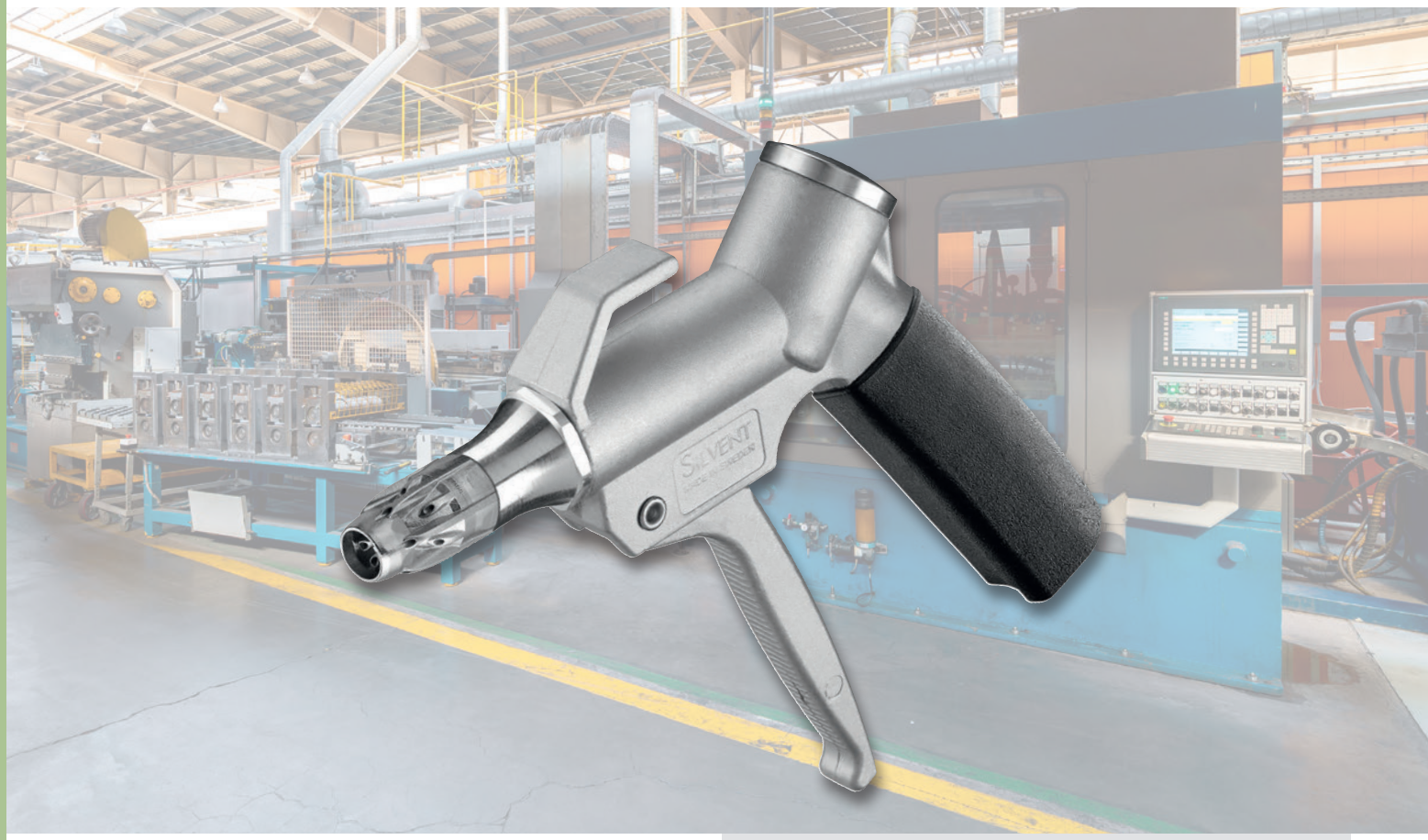
The swivel SW-4000 makes the blow gun easy to handle and keeps the hose in a straight position.

SILVENT **SW-4000**
Page 162

EXTENSIONS

Most of the air blow guns in the 2000- and 750- series are available with extension pipes 200 – 2000 mm.

SILVENT **767-L-H-500**
Page 143



Safety air blow gun in metal, with high blowing force

SILVENT 2053-X-SG is an air blow gun that has a stainless steel nozzle with patented multi-Laval technology. The nozzle of the air blow gun creates a concentrated jet of air with reduced turbulence, thus enabling a more targeted, effective blowing force. This makes the air blow gun suitable for most types of applications and industries. The blowing force is about three times higher compared to a regular air blow gun which means the work can be done quickly and efficiently. Equipped with a Softgrip handle for greater comfort.

PERFECT FOR DEMANDING APPLICATIONS

Equipped with an extension pipe, these air blow guns are ideal for applications that are hard-to-reach or hazardous for the operator. A properly dimensioned extension pipe protects the face from dangerous flying debris and spattering, and allows the user to maintain a more ergonomically correct working posture.

SOFTGRIP HANDLE

These safety air blow guns can be equipped with Softgrip handles that are easy on the hand and insulate against both heat and cold.

PRACTICAL DESIGN

The 2000 grip is made of aluminum and is highly versatile, lightweight and user-friendly. It has a modern and practical design that can be fitted with various types of safety nozzles, extension pipes, safety accessories, etc.

SILVENT 2053-X-SG

TECHNICAL DATA

Replace open pipe Ø (mm)	7
Blowing force (N)	10.0
Air consumption (Nm³/h)	53
Sound level (dB(A))	89
Nozzle technology	Multi-Laval
Material (nozzle)	1.4404 (316L)
Connection	G 3/8"
Weight (g)	242
Max temp (°C)	70
Max op. pressure (MPa)	0.7

Noise reduction **16** **dB(A)**

Energy savings **39** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: EN AB 46000, NBR/PTFE, EN AW 2011 T8, EN 1.4305, PC, TPU,TPE, PUR, EN 10088-3 , Zytel HTN FG52G35 HSL BK011, EN 1.4404

Safety air guns with high blowing force are usually equipped with an extended blowing pipe to ensure safer blowing and a better working posture.

**For further information, see page 166 or visit silvent.com.*

EXTENSION PIPES IN 3 LENGTHS

Standard - 0 mm

300 mm

500 mm

1000 mm

The air blow guns of the 2000 series are available in four different versions - three with extension pipes of different lengths and one with the nozzle mounted directly onto the pistol grip. The extension pipes are made of aluminum. Indicate the length of the extension pipe you require last in the order number. Safety air blow gun-extension pipe length: e.g. **2053-X-SG-1000**.

EXTENSIONS

300 mm	2053-X-SG-300
500 mm	2053-X-SG-500
1000 mm	2053-X-SG-1000

SILVENT 2055-A-SG

- **Slot nozzle (aluminum)**

SILVENT 2055-A-SG is an air blow gun that is equipped with a Softgrip handle for greater comfort. The air blow gun has an aerodynamic aluminum nozzle that provides a blowing force equivalent to 5 conventional compressed air blow guns. Despite the high blowing force, the sound level is comparable to that of a conventional air blow gun. The 2055-A is a powerful but flexible air blow gun that is ideal for applications that require a high blowing force.

TECHNICAL DATA	2055-A-SG
Replace open pipe Ø (mm)	8
Blowing force (N)	13.5
Air consumption (Nm³/h)	92
Sound level (dB(A))	93

Noise reduction	Energy savings
15 dB(A)	**26** Nm³/h

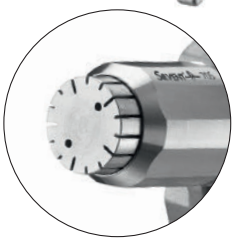
SILVENT 2053-L-SG

- **Stainless steel Laval nozzle**

SILVENT 2053-L-SG is an air blow gun that is equipped with a Softgrip handle for greater comfort. The blowing force is more than 3 times stronger than that of an ordinary compressed air blow gun. The compressed air is optimally used in this stainless steel Laval nozzle by surrounding a core of air traveling at supersonic speed with a protective sheath of air moving parallel to the central air jet. Diverging slits around the Laval hole provide quiet, strong and laminar air streams. Despite the high blowing force, both the sound level and energy consumption are low.

TECHNICAL DATA	2053-L-SG
Replace open pipe Ø (mm)	8
Blowing force (N)	10.6
Air consumption (Nm³/h)	60
Sound level (dB(A))	91

Noise reduction	Energy savings
17 dB(A)	**58** Nm³/h



SILVENT 2055-S

- **Stainless steel slot nozzle**

SILVENT 2055-S: with a stainless steel nozzle. Recommended if your application requires extreme resistance to wear. The nozzle can withstand nearly any existing application. Designed with aerodynamic slots to use compressed air optimally and generate as little sound as possible. The blowing force is equivalent to the aluminum nozzle on our standard 2000 series gun. Blowing force 15.0 N (3.3 lbs).

TECHNICAL DATA	2055-S
Replace open pipe Ø (mm)	10
Blowing force (N)	15.0
Air consumption (Nm³/h)	95
Sound level (dB(A))	92

Noise reduction	Energy savings
20 dB(A)	**90** Nm³/h

SILVENT 2804-R

- **Scratch-free EPDM Laval nozzle**

SILVENT 2804-R: part of a completely new generation of air blow guns designed for blowing applications aimed at avoiding scratches on equipment and products. The 2804-R is equipped with an energy-efficient Laval nozzle that is part of Silvent's new "SILVENT SOFT™" series. The air nozzle is specially made in EPDM rubber to minimize the risk of scratches. The product meets the unique combination of demands for a scratch-free surface and high blowing force by applying Silvent's patented Laval technology.

TECHNICAL DATA	2804-R
Replace open pipe Ø (mm)	8
Blowing force (N)	12.0
Air consumption (Nm³/h)	70
Sound level (dB(A))	90

Noise reduction	Energy savings
18 dB(A)	**48** Nm³/h

SILVENT 29002W-S+

- **Stainless steel flat nozzle**

SILVENT 29002W-S+: an air blow gun fitted with an energy-efficient flat nozzle that generates a strong, efficient blowing force at an exceptionally low noise level. Compressed air is optimally used in this air blow gun, which through its unique design introduces a completely new blowing technology feature. The aerodynamic nozzle design achieves the effect by maximizing entrainment of air. Each orifice is also uniquely designed to optimise the entrainment area. The nozzle is made of stainless steel. This safe and durable air blow gun fits environments where cleaning of bigger areas are needed.

TECHNICAL DATA	29002W-S+
Replace open pipe Ø (mm)	6
Blowing force (N)	7.5
Air consumption (Nm³/h)	37.5
Sound level (dB(A))	83

Noise reduction	Energy savings
19 dB(A)	**29** Nm³/h

SILVENT 2973

- **Stainless steel flat nozzle**

SILVENT 2973: an excellent gun for applications where you need to move away large particles or chips quickly and efficiently. The design of the nozzle makes the air pattern dig in and sweep the work surface clean. Fitted with a powerful flat stainless steel nozzle that can cope with most applications. The blowing force is three times that of an ordinary air blow gun. Despite its power, the sound level and energy consumption are low in relation to the work the gun performs.

TECHNICAL DATA	2973
Replace open pipe Ø (mm)	7
Blowing force (N)	9.5
Air consumption (Nm³/h)	58
Sound level (dB(A))	86

Noise reduction	Energy savings
19 dB(A)	**34** Nm³/h

SILVENT 2050-X

suvapro CERTIFICATION

- **Stainless steel multi-Laval nozzle**

SILVENT 2050-X is an aluminum air blow gun designed with a revolutionary air nozzle technology for optimal efficiency, safety and noise reduction. The new patented multi-Laval technology constitutes a new dimension in blowing technology. The effect is achieved by optimizing the air pressure change from potential energy to aimed concentrated kinetic energy. The stainless steel air nozzle is the outcome of Silvent's leading R&D in compressed air dynamics. The air blow gun is suitable in any industry where durable tools are required to make the job quick, quiet and with the operator's safety in mind.

TECHNICAL DATA	2050-X
Replace open pipe Ø (mm)	4
Blowing force (N)	2.8
Air consumption (Nm³/h)	14
Sound level (dB(A))	78

Noise reduction	Energy savings
17 dB(A)	16 Nm³/h

SILVENT 2050-X+

- **Stainless steel multi-Laval nozzle**

2050-X+ is equipped with an extra powerful multi-Laval air nozzle that generates a blowing force that is 90% stronger compared to a regular 2050-X while also minimizing the sound level.

TECHNICAL DATA	2050-X+
Replace open pipe Ø (mm)	5
Blowing force (N)	5.3
Air consumption (Nm³/h)	30
Sound level (dB(A))	84

Noise reduction	Energy savings
15 dB(A)	17 Nm³/h

SILVENT 2050-S

- **Stainless steel slot nozzle**

SILVENT 2050-S: with a stainless steel nozzle. Extremely tough, but at the same time, practical aluminum gun. The perfect choice whenever durability is more important than a lot of technical finesse. The standard version of this gun is fitted with a durable stainless steel nozzle with a solid tip for the toughest conditions.

TECHNICAL DATA	2050-S
Replace open pipe Ø (mm)	4
Blowing force (N)	3.2
Air consumption (Nm³/h)	19
Sound level (dB(A))	81

Noise reduction	Energy savings
14 dB(A)	11 Nm³/h

SILVENT 2050-L

- **Stainless steel Laval nozzle**

SILVENT 2050-L: with a Laval nozzle. Provides more concentrated blowing force than 2050-S. Suitable for applications that demand focused power where exposure to mechanical wear is not as great as environments requiring 2050-S. Blowing force 4.4 N (15.5 oz).

TECHNICAL DATA	2050-L
Replace open pipe Ø (mm)	5
Blowing force (N)	4.4
Air consumption (Nm³/h)	26
Sound level (dB(A))	84

Noise reduction	Energy savings
15 dB(A)	**21** Nm³/h

SILVENT 2220-L

- **Laval nozzle (zinc)**

SILVENT 2220-L: fitted with a 200 mm (8 inch) bendable hose that can be formed to the desired position and a new generation of Laval nozzle. Perfect for applications that are hard to reach with conventional air blow guns.

TECHNICAL DATA	2220-L
Replace open pipe Ø (mm)	4
Blowing force (N)	3.4
Air consumption (Nm³/h)	17
Sound level (dB(A))	78

Noise reduction	Energy savings
17 dB(A)	**13** Nm³/h

TECHNICAL DATA	2053-X-SG	2055-A-SG	2053-L-SG	2055-S	2804-R	29002W-S+
Replace open pipe Ø (mm)	7	8	8	10	8	6
Blowing force (N)	10.0	13.5	10.6	15.0	12.0	7.5
Air consumption (Nm³/h)	53	92	60	95	70	37.5
Sound level (dB(A))	89	93	91	92	90	83
Nozzle technology	Multi-Laval	Slot	Laval	Slot	Laval	Slot
Material (nozzle)	1.4404 (316L)	Al	1.4305 (303)	1.4305 (303)	EPDM	1.4404 (316L)
Connection	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 3/8"
Weight (g)	242	250	297	278	274	320
Max temp (°C)	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	2053-X-SG	2055-A-SG	2053-L-SG	2055-S	2804-R	29002W-S+
150 mm	–	2055-A-SG-150	2053-L-SG-150	2055-S-150	2804-R-150	29002W-S-150+
250 mm	–	–	–	–	–	–
300 mm	2053-X-SG-300	–	–	–	–	–
400 mm	–	–	–	–	–	–
500 mm	2053-X-SG-500	2055-A-SG-500	2053-L-SG-500	2055-S-500	2804-R-500	29002W-S-500+
600 mm	–	–	–	–	–	–
800 mm	–	–	–	–	–	–
1000 mm	2053-X-SG-1000	2055-A-SG-1000	2053-L-SG-1000	2055-S-1000	2804-R-1000	29002W-S-1000+
1500 mm	–	2055-A-SG-1500	2053-L-SG-1500	2055-S-1500	2804-R-1500	29002W-S-1500+
2000 mm	–	2055-A-SG-2000	2053-L-SG-2000	2055-S-2000	2804-R-2000	29002W-S-2000+

ACCESSORIES	2053-X-SG	2055-A-SG	2053-L-SG	2055-S	2804-R	29002W-S+
Air shield	–	AS3	–	AS3	AS3	AS3
Safety shield	–	592	–	–	–	–
Softgrip	SG	SG	SG	SG	SG	SG

TECHNICAL DATA	2973	2050-X	2050-X+	2050-S	2050-L	2220-L
Replace open pipe Ø (mm)	7	4	5	4	5	4
Blowing force (N)	9.5	2.8	5.3	3.2	4.4	3.4
Air consumption (Nm³/h)	58	14	30	19	26	17
Sound level (dB(A))	86	78	84	81	84	78
Nozzle technology	Slot	Multi-Laval	Multi-Laval	Slot	Laval	Laval
Material (nozzle)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)	1.4404 (316L)	1.4542 (630)	Zn
Connection	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 3/8"
Weight (g)	350	255	255	256	254	340
Max temp (°C)	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	2973	2050-X	2050-X+	2050-S	2050-L	2220-L
150 mm	–	–	–	–	–	–
250 mm	–	2050-X-250	2050-X-250+	2050-S-250	2050-L-250	–
300 mm	–	–	–	–	–	2230-L
400 mm	–	2050-X-400	2050-X-400+	2050-S-400	2050-L-400	2240-L
500 mm	–	–	–	–	–	2250-L
600 mm	–	2050-X-600	2050-X-600+	2050-S-600	2050-L-600	–
800 mm	–	2050-X-800	2050-X-800+	2050-S-800	2050-L-800	–
1000 mm	–	2050-X-1000	2050-X-1000+	2050-S-1000	2050-L-1000	–
1500 mm	–	–	–	–	–	–
2000 mm	–	–	–	–	–	–

ACCESSORIES	2973	2050-X	2050-X+	2050-S	2050-L	2220-L
Air shield	–	–	–	–	–	–
Safety shield	–	590	590	590	590	591
Softgrip	SG	SG	SG	SG	SG	SG

Are you using safe air blow guns?

Air guns with excessive static pressure increase the risk of operator injury. Improve the work environment by using safety air blow guns. SILVENT OSH contains a OSHA meter that shows whether your air blow guns are hazardous for the user or not. There should be an OSHA meter in every production space where a good working environment is a priority.

Order no: OSH

Robust safety air blow gun for tough environments

SILVENT 767-L is designed for working environments that require high blowing power. The valve handle is robust and tailored to provide the operator with the best possible grip. Silvent's special technology makes it possible to combine a concentrated and strong stream of air with a low noise level. The unique design of the nozzle prevents compressed air from entering the bloodstream and injuring the operator. The blowing power is roughly 7 times stronger than a regular air blow gun.

UP TO 12 TIMES GREATER BLOWING FORCE

The air blow guns of the 750 series have up to 12 times stronger blowing force than ordinary air blow guns on the market today. Despite the high blowing force, both the sound level and energy consumption are low.

DURABLE CONSTRUCTION

The 750 grip has been developed for jobs requiring high blowing power and working environments that demand a robust grip and valve construction. These air blow guns can also be used when wearing work gloves and the grip is considerably more impact resistant than conventional guns. Commonly used in glass works, paper mills, foundries, steel mills, etc.

THUMB REGULATION

Thumb regulation is standard on the pistol handle to provide the most ergonomic grip. If desired, the handle can also be fitted with an extended trigger for hand regulation.

SILVENT 767-L

TECHNICAL DATA

Replace open pipe Ø (mm)	12
Blowing force (N)	20.0
Air consumption (Nm³/h)	120
Sound level (dB(A))	94
Nozzle technology	Multi-Laval
Material (nozzle)	1.4404 (316L)
Connection	G 1/2"
Weight (g)	465
Max temp (°C)	70
Max op. pressure (MPa)	0.7

Noise reduction **22** **dB(A)**

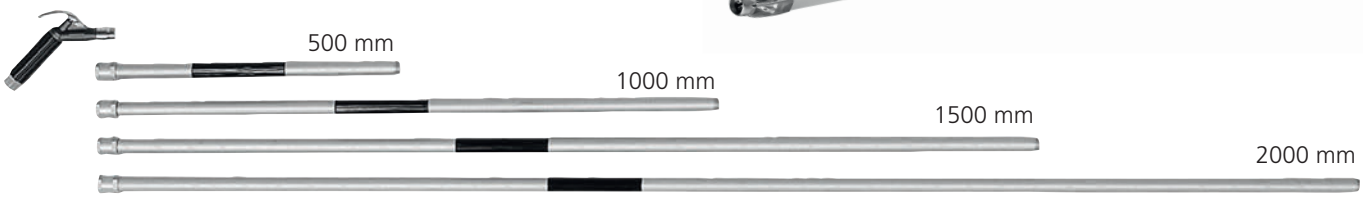
Energy savings **146** **Nm³/h**

Feed pressure = 500 (kPa)
Material specification: Zn ZP0410 EN12844, EN 10088-3, EN 10130 DC04, NBR, PUR, Polyolefin, EN 1.0718, EN 1.4404

Safety air guns with high blowing force are usually equipped with an extended blowing pipe to ensure safer blowing and a better working posture.

**For further information, see page 166 or visit silvent.com.*

EXTENSION PIPES IN 4 LENGTHS



The 750 series is available with four different extension pipe lengths. The extension pipes are made of aluminium. Indicate the length of the extension pipe you require last in the order number. Safety gun-extension pipe length: e.g. **767-L-1500**.

EXTENSIONS

500 mm	767-L-500
1000 mm	767-L-1000
1500 mm	767-L-1500
2000 mm	767-L-2000

SILVENT 757-L

- **Stainless steel Laval nozzle**

SILVENT 757-L: with a stainless steel Laval nozzle. A core stream traveling at supersonic speed surrounded by a protective sheath of air moving parallel to the central jet makes optimal use of your compressed air. Around the Laval orifice there are divergent slots that generate a quiet, powerful and laminar air stream. The blowing force is approximately 7 times that of an ordinary air blow gun. Despite the high blowing force, both the noise level and air consumption are low. This air blow gun is frequently used in the glass industry, paper mills, foundries, steel mills etc.

TECHNICAL DATA	757-L
Replace open pipe Ø (mm)	12
Blowing force (N)	20.0
Air consumption (Nm³/h)	113
Sound level (dB(A))	93

Noise reduction	Energy savings
23 dB(A)	**153** Nm³/h

SILVENT 755-L

- **Stainless steel Laval nozzle**

SILVENT 755-L: with a stainless steel Laval nozzle. A core stream traveling at supersonic speed surrounded by a protective sheath of air moving parallel to the central jet makes optimal use of your compressed air. Around the Laval orifice there are divergent slots that generate a quiet, powerful and laminar air stream. The blowing force is approximately 5 times that of an ordinary air blow gun. Despite the high blowing force, both the noise level and air consumption are low. This air blow gun is frequently used in the glass industry, paper mills, foundries, steel mills etc.

TECHNICAL DATA	755-L
Replace open pipe Ø (mm)	10
Blowing force (N)	16.0
Air consumption (Nm³/h)	94
Sound level (dB(A))	93

Noise reduction	Energy savings
19 dB(A)	**91** Nm³/h

SILVENT 753-L

- **Stainless steel Laval nozzle**

SILVENT 753-L is an alternative to the 757-L for applications that do not require such high blowing force. The blowing force for the 753-L is 10.6 N (2.3 lbs.), which is about 3 times as much as an ordinary compressed air blow gun.

TECHNICAL DATA	753-L
Replace open pipe Ø (mm)	8
Blowing force (N)	10.6
Air consumption (Nm³/h)	60
Sound level (dB(A))	91

Noise reduction	Energy savings
17 dB(A)	**58** Nm³/h

SILVENT 758-R

- **Scratch-free EPDM Laval nozzle**

SILVENT 758-R: part of a completely new generation of air blow guns designed for blowing applications aimed at avoiding scratches on equipment and products. The 758-R is equipped with an energy-efficient Laval nozzle that is part of Silvent's new "SILVENT SOFT™" series. The air nozzle is specially made in EPDM rubber to minimize the risk of scratches. The product meets the unique combination of demands for a scratch-free surface and high blowing force by applying Silvent's patented Laval technology.

TECHNICAL DATA	758-R
Replace open pipe Ø (mm)	12
Blowing force (N)	21.0
Air consumption (Nm³/h)	114
Sound level (dB(A))	95

Noise reduction	Energy savings
21 dB(A)	**152** Nm³/h

SILVENT 750-W

- **Flat nozzle (ZYTEL)**

SILVENT 750-W: equipped with an energy-efficient flat nozzle made of Zytel that generates an extremely strong and effective blowing force at the same time that the sound level is exceptionally low. Compressed air is optimally used in this air blow gun, which through its unique design introduces a completely new blowing technology feature. This air blow gun is an excellent choice for large surfaces that need to be blown clean because of its unique blowing pattern and high blowing force!

TECHNICAL DATA	750-W
Replace open pipe Ø (mm)	14
Blowing force (N)	36.0
Air consumption (Nm³/h)	182
Sound level (dB(A))	92

Noise reduction	Energy savings
27 dB(A)	**181** Nm³/h

TECHNICAL DATA	767-L	757-L	755-L	753-L	758-R	750-W
Replace open pipe Ø (mm)	12	12	10	8	12	14
Blowing force (N)	20.0	20.0	16.0	10.6	21.0	36.0
Air consumption (Nm³/h)	120	113	94	60	114	182
Sound level (dB(A))	94	93	93	91	95	92
Nozzle technology	Multi-Laval	Laval	Laval	Laval	Laval	Laval
Material (nozzle)	1.4404 (316L)	1.4305 (303)	1.4305 (303)	1.4305 (303)	EPDM	ZYTEL
Connection	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"
Weight (g)	465	486	487	496	492	500
Max temp (°C)	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	767-L	757-L	755-L	753-L	758-R	750-W
500 mm	767-L-500	757-L-500	755-L-500	753-L-500	758-R-500	–
1000 mm	767-L-1000	757-L-1000	755-L-1000	753-L-1000	758-R-1000	–
1500 mm	767-L-1500	757-L-1500	755-L-1500	753-L-1500	758-R-1500	–
2000 mm	767-L-2000	757-L-2000	755-L-2000	753-L-2000	758-R-2000	–

ACCESSORIES	767-L	757-L	755-L	753-L	758-R	750-W
Long trigger	767-L-H	757-L-H	755-L-H	753-L-H	758-R-H	750-W-H

An extremely powerful blowing tool for long blowing distances

SILVENT 4015-LF is a unique product that combines highly concentrated blowing force with an easily maneuverable valve construction and low sound level. The patented nozzle design with a Laval orifice in the center surrounded by a ring of slots generates a low-turbulence air stream, which means a low sound level with no sacrifice of blowing force. The nozzle is made of stainless steel, making it suitable for use in practically any environment where extra high blowing force is required, e.g. the paper and manufacturing industries, steel mills etc. This air bazooka features adjustable blowing force that is easily regulated to any strength between 5% and 100%.

"DEAD MAN'S GRIP"

The valve features a "dead man's grip", which means that it closes instantly if the handle is dropped.

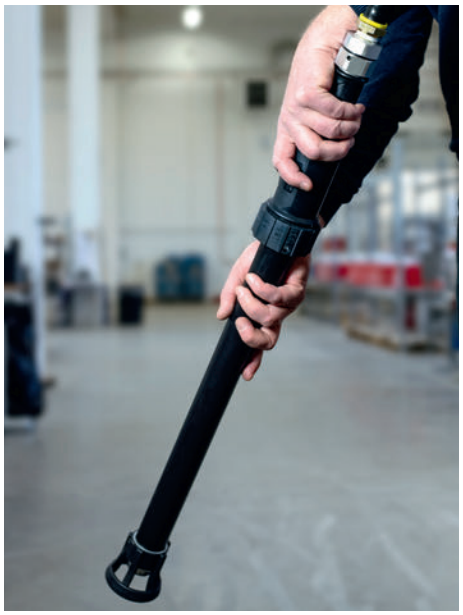
SAFE AND EASILY MANEUVERABLE

The valve is power-steered, making it easy to operate with just one hand. A light press of a thumb or finger is all that is needed.

COMFORTABLE

The rubber insulation on the handle provides a firm grip while protecting the hand against both heat and cold.

SILVENT 4015-LF



TECHNICAL DATA

Replace open pipe Ø (mm)	20
Blowing force (N)	54.0
Air consumption (Nm³/h)	312
Sound level (dB(A))	104
Nozzle technology	Laval
Material (nozzle)	1.4305 (303)
Connection	G 3/4"
Weight (g)	1085
Max temp (°C)	70
Max op. pressure (MPa)	0.7

Noise reduction **22** **dB(A)** **Energy savings** **428** **Nm³/h**

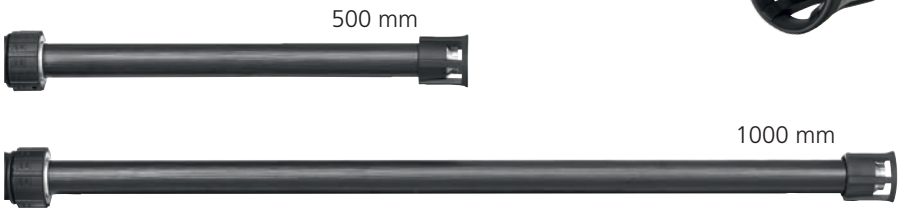
Feed pressure = 500 (kPa)
Material specification: EN AB 43200, EN AW 2011 T8, EN 10088-3, NBR, PC, TPU EN AW 6082, EN 1.4305

Models with swivels and flow regulators are often selected for best safety and control.

**For further information, see page 166 or visit silvent.com.*

EXTENSION PIPES IN 2 LENGTHS

Standard - 0 mm



The 4000 series is available with two different extension pipes. Custom lengths are available upon request. Choosing the right length is important to attain maximum safety and the best working posture. Specify the length of the extension pipe you require last in the order number. Safety air blow gun-extension pipe length: e.g. **4015-LF-1000**.

EXTENSIONS

500 mm	4015-LF-500
1000 mm	4015-LF-1000

ACCESSORIES

SW-4000

SILVENT SW-4000 is an adjustable hose swivel for the SILVENT 4000 series. It makes it easier to use the bazooka. Seals of Nitrile. Material: Aluminum.

SILVENT 4020-LF

- **Stainless steel Laval nozzle**

SILVENT 4020-LF: a unique product with Laval nozzle that combines highly concentrated blowing force with an easily maneuverable valve construction and low sound level. Its blowing force of 100 N (22.1 lbs) is twice that of the 4015-LF. The nozzle is made of stainless steel, making it suitable for use in practically any environment where extra high blowing force is required, e.g. the paper and manufacturing industries, steel mills etc. Features adjustable blowing force that is easily adjusted to any strength between 5% and 100%.

TECHNICAL DATA	4020-LF
Replace open pipe Ø (mm)	25
Blowing force (N)	100.0
Air consumption (Nm³/h)	532
Sound level (dB(A))	118

Noise reduction	Energy savings
13 dB(A)	**627** Nm³/h

SILVENT 4010-S

- **Stainless steel slot nozzle**

SILVENT 4010-S: combines highly concentrated blowing force with an easily maneuverable valve construction and low sound level. Designed with aerodynamic slots to attain optimal utilization of your compressed air while keeping the sound level to an absolute minimum. The valve is power-steered, making it easy to operate with just one hand. Its "dead man's grip" closes instantly if the handle is dropped. Suitable for applications where 100% force is always required.

TECHNICAL DATA	4010-S
Replace open pipe Ø (mm)	14
Blowing force (N)	30.0
Air consumption (Nm³/h)	216
Sound level (dB(A))	99

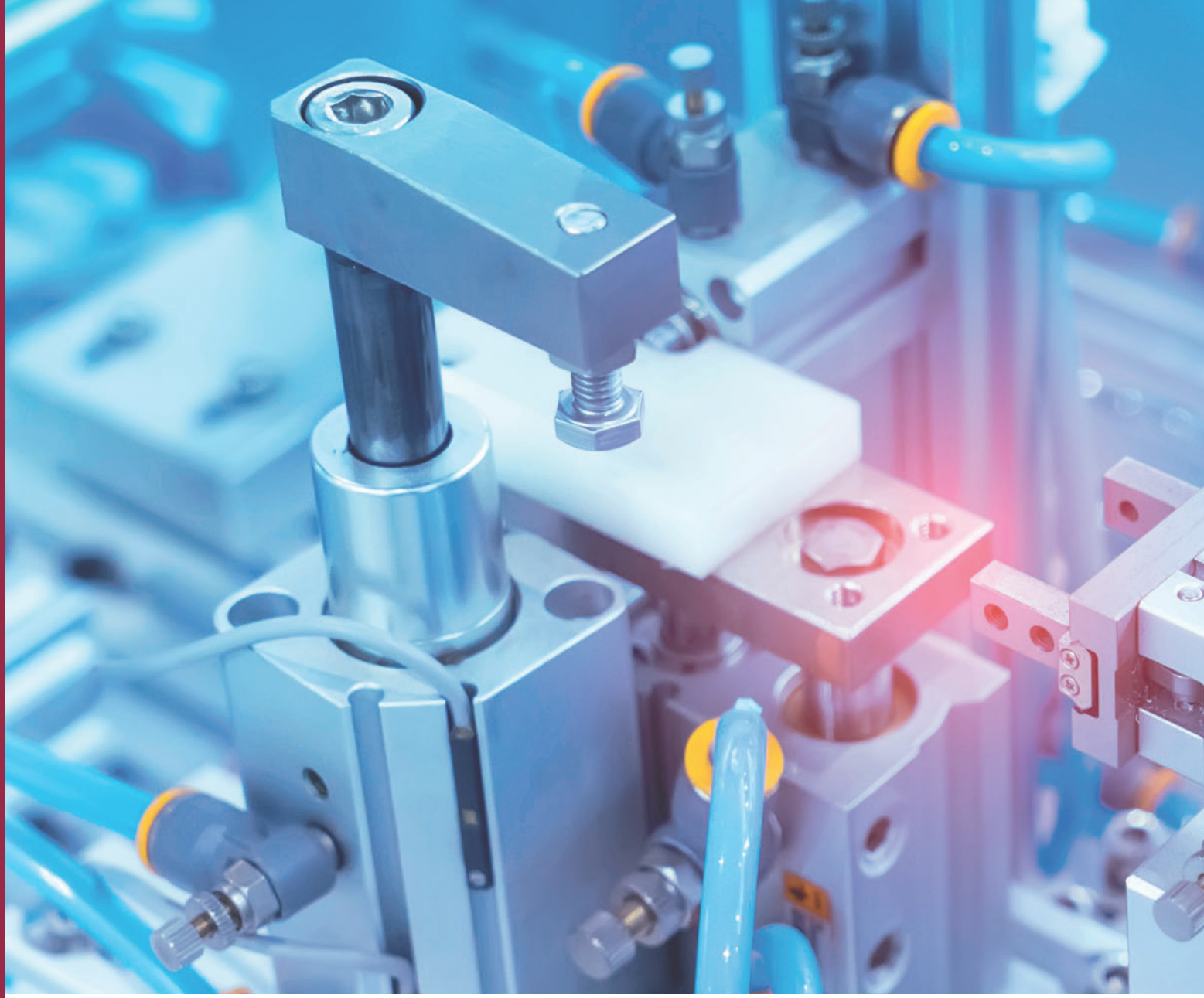
Noise reduction	Energy savings
20 dB(A)	**147** Nm³/h

TECHNICAL DATA	4015-LF	4020-LF	4010-SF	4015-L	4020-L	4010-S
Replace open pipe Ø (mm)	20	25	14	20	25	14
Blowing force (N)	54.0	100.0	30.0	54.0	100.0	30.0
Air consumption (Nm³/h)	312	532	216	312	532	216
Sound level (dB(A))	104	118	99	104	118	99
Nozzle technology	Laval	Laval	Slot	Laval	Laval	Slot
Material (nozzle)	1.4305 (303)	1.4305 (303)	1.4305 (303)	1.4305 (303)	1.4305 (303)	1.4305 (303)
Connection	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"
Weight (g)	1085	1075	1090	784	770	792
Max temp (°C)	70	70	70	70	70	70
Max op. pressure (MPa)	0.7	0.7	0.7	0.7	0.7	0.7

Feed pressure = 500 (kPa)

EXTENSIONS	4015-LF	4020-LF	4010-SF	4015-L	4020-L	4010-S
500 mm	4015-LF-500	4020-LF-500	4010-SF-500	4015-L-500	4020-L-500	4010-S-500
1000 mm	4015-LF-1000	4020-LF-1000	4010-SF-1000	4015-L-1000	4020-L-1000	4010-S-1000

ACCESSORIES	4015-LF	4020-LF	4010-SF	4015-L	4020-L	4010-S
Swivel	SW-4000	SW-4000	SW-4000	SW-4000	SW-4000	SW-4000



– Noise is one of the greatest work environment problems of our times. Noise from pneumatic valves is a common cause of poor working environments in the manufacturing industry. Silvent's pneumatic mufflers provide extremely effective sound reduction.

Pneumatic muffler

Pneumatic muffler with indicator

Most machines with pneumatic valves are supplied with some type of pneumatic muffler to reduce the noise generated when compressed air leaves the venting ports. Unfortunately, it is common for production to be disrupted by conventional mufflers, which leads to a certain reluctance toward their use in industry. The problem can be solved by installing Silvent's patented pneumatic muffler with indicator.

The clogging problem

The noise from pneumatic valves is very harmful and should be dampened by pneumatic mufflers. Unfortunately, they are often removed in conjunction with operational disruptions and go missing. Conventional mufflers are often the cause of disrupted production. When a pneumatic muffler is blocked by contaminants, it can no longer let enough compressed air through, which may cause a production stoppage or affect the efficiency of the application. When troubleshooting, it is often difficult for maintenance technicians to identify which pneumatic muffler is blocked, resulting in the removal of all mufflers. In many cases, technicians forget to refit the pneumatic mufflers after the inspection, or choose not to refit them to reduce the risk of new stoppages. This is a well-known problem in industry, which unfortunately is rarely given priority, as a functioning, fault-free production process is usually more important than low sound levels.

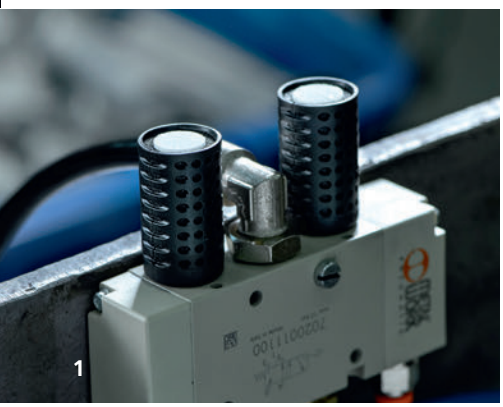
THE PATENTED SOLUTION

1. Warning mark
Provides a clear indication before problems occur in the pneumatic system.

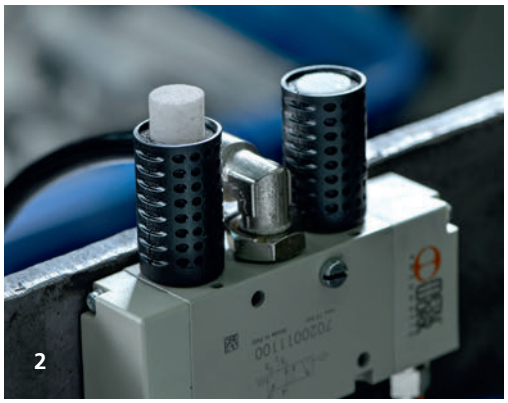
2. Two chamber system
Reduces back pressure as the expansion volume increases and the new filter is exposed.

3. Internal diffuser
Pushed out of the outer muffler chamber if back pressure is too high.

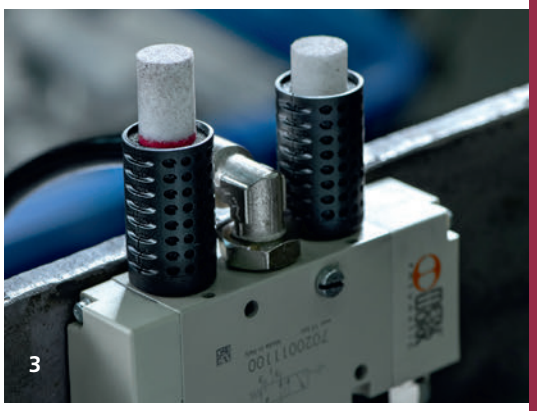
4. External diffuser
Effectively reduces noise thanks to the optimal use of the material volume.



1. *The image shows the muffler in its normal position.*



2. *The muffler after a certain amount of clogging.*



3. *The warning mark indicates that the muffler needs replacing.*

Problems with conventional pneumatic mufflers

- Difficult-to-localize malfunctions
- Costly downtime
- Noise problems are given low priority as a result of the above items

Warning indicators are the solution

Through R&D and close collaboration with industry, Silvent has developed a unique, patented series of pneumatic mufflers with warning indicators. The technology allows the pneumatic muffler itself to set the optimal combination of flow capacity and noise reduction thanks to a dynamic internal diffuser. To make maintenance work easier, the pneumatic mufflers have an integrated warning system that gives an indication before clogging takes place, i.e. it alerts before the muffler can disrupt production.

Thanks to the two-chamber system, the pneumatic muffler is provided with a new filter surface as the old surface becomes clogged, thereby increasing volume capacity to eliminate machine stoppage that could result from back pressure, which also extends service life considerably.

Advantages of the Silvent pneumatic muffler with indicator

- Alerts before problems occur
- Minimizes the risk of costly machine downtime
- Allows prioritization of noise suppression without affecting production reliability

SILVENT SIS-02

- **Pneumatic muffler with indicator**

SILVENT SIS-02: Silvent's new series of pneumatic mufflers offers extremely effective noise reduction, compact size and a unique and patented warning system. The muffler's warning indicator gives early warning that backpressure in the system is too high. Maintenance personnel can both see and hear (by an elevated sound level) that it is time to replace the muffler before costly and unnecessary operation disturbance occurs. Since the warning indicator extends when it is pressed out, it is also possible to use electronic monitoring to stop the machine for muffler replacement. These pneumatic mufflers provide noise reduction of 30-35 dB(A). Silvent offers four different dimensions.

TECHNICAL DATA	SIS-02	SIS-03	SIS-04	SIS-05
Flow capacity (Nm³/h)	99	185	272	613
Sound level (dB(A))	65.5	66.5	73.2	76.5
Connection	G 1/8"	G 1/4"	G 3/8"	G 1/2"
Max temp (°C)	70	70	70	70
Max op. pressure (MPa)	0.5	0.5	0.5	0.5
Noise reduction (dB(A))	32	33	30	33

Material specification: HDPE, PP

The value for flow applies with continuous operation over a valve.
For further information, see page 166 or visit silvent.com.

SILVENT SIS-10

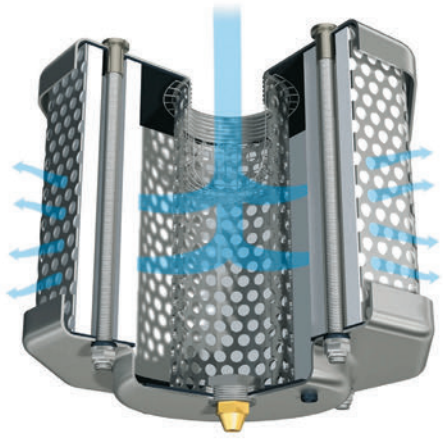
- **Pneumatic muffler with indicator**

SILVENT SIS-10: Silvent's pneumatic mufflers are designed to handle sensitive systems with large flows that require minimal flow restriction. The mufflers are compact in size, provide extremely effective noise suppression and feature a built-in warning indicator that immediately shows any increase of backpressure in the system. The unique filter material is divided into numerous "noise traps" or cells and gives extremely good muffling with minimal flow restriction. These pneumatic mufflers are also suitable for continuous flow applications and can be used as a central muffler for several pneumatic valves. A built-in oil trap collects airline oil for draining and prevents oil mist exhaust. The mufflers are available in two sizes, 1 inch and 2 inch, and reduce noise levels 40-45 dB(A). They are supplied with a mounting bracket.

TECHNICAL DATA	SIS-10	SIS-20
Flow capacity (Nm³/h)	1380	2480
Sound level (dB(A))	81.6	94.3
Connection	G 1"	G 2"
Max temp (°C)	70	70
Max op. pressure (MPa)	1.0	1.0
Noise reduction (dB(A))	42	41

Material specification: EN 10130 DC04 DC01, EN 1.4301, HDPP, NBR, EN 1.4305, CW617N, Zn

The value for flow applies with continuous operation over a valve.
For further information, see page 166 or visit silvent.com.



Accessories that make installation easier

Sometimes the ability to adjust e.g. pressure or blowing angle is necessary to optimize blowing. Other times, users want to protect themselves from blow-back when blowing manually. Silvent has different kinds of accessories that make it easy to carry out blowing in the best and safest way.

ADJUSTABLE SWIVEL

Adjustable ball joints for adjusting the air cone. These joints make it possible to readjust the blowing angle without affecting fixed equipment. Correct setting of the blowing angle means both lower noise levels and increased efficiency. The blowing angle adjustability is 30° from the center line. Available in 4 different sizes. Seals of Viton. Material: stainless steel.

TECHNICAL DATA	PSK 18	PSK 14	PSK 38	PSK 12	PSKM 12
Connection	G 1/8"	G 1/4"	G 3/8"	G 1/2"	G 1/2"
Dimensions (mm)	Ø22x31	Ø24x33	Ø27x40	Ø32x45	Ø32x57
Weight (g)	45	70	100	145	174
Max temp (°C)	200	200	200	200	200
Max op. pressure (MPa)	1.0	1.0	1.0	1.0	1.0

Material specification: EN 1.4305, FKM 80

BALL VALVE

Available in 6 different sizes. Seals of Teflon and Nitrile. Material: brass.

TECHNICAL DATA	KV 18	KV 14	KV 38	KVM 38	KV 12	KVM 12	KV 34	KVM 10
Connection	G 1/8"	G 1/4"	G 3/8"	G 3/8"	G 1/2"	G 1/2"	G 3/4"	G 1"
Weight (g)	90	100	90	103	125	174	180	387
Max temp (°C)	70	70	70	70	70	70	70	70
Max op. pressure (MPa)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Material specification: CW617N

ADJUSTABLE VALVE

Flow valves that enable you to fine-tune the blowing force and thereby lower the noise level and conserve compressed air. The flow can be regulated from 5% to 100% of full flow. Available in 2 sizes. Seals of Viton. Material: stainless steel.

TECHNICAL DATA	FV 18	FV 14
Connection	G 1/8"	G 1/4"
Dimensions (mm)	Ø17x40	Ø17x40
Weight (g)	60	60
Max temp (°C)	200	200
Max op. pressure (MPa)	1.0	1.0

Material specification: EN 1.4305, FKM 80

ADJUSTABLE SWIVEL

An adjustable joint specially designed for the 400-series and 700-series. Since the joint permits adjustment to any angle, fixed installations can be set at the most efficient blowing angle. The desired position can then be locked with an Allen set screw. Seals of Nitrile. Material: aluminum.

TECHNICAL DATA	UBJ 34
Connection	G 3/4"
Dimensions (mm)	Ø56x117
Weight (g)	330
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Material specification: EN AW 2011, NBR

FLEXBLOW HOSE

FlexBlow hose with 1/8" thread at both ends. Available in 4 different lengths.

TECHNICAL DATA	862	863	864	865
Connection	G 1/8"	G 1/8"	G 1/8"	G 1/8"
Dimensions (mm)	Ø15x176±5%	Ø15x276±5%	Ø15x376±5%	Ø15x476±5%
Weight (g)	70	97	122	149
Max temp (°C)	70	70	70	70
Max op. pressure (MPa)	1.0	1.0	1.0	1.0

Material specification: Cu, NBR, CW614N

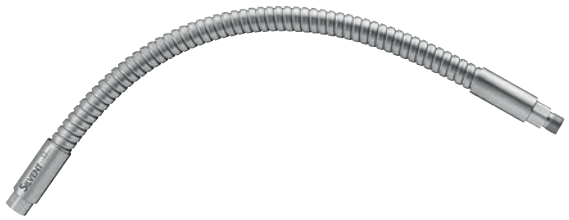
FLEXBLOW HOSE

FlexBlow hose with 1/4" thread at both ends. Available in 4 different lengths.

TECHNICAL DATA	820	830	840	850
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Dimensions (mm)	Ø19x164±5%	Ø19x264±5%	Ø19x364±5%	Ø19x464±5%
Weight (g)	100	135	180	215
Max temp (°C)	70	70	70	70
Max op. pressure (MPa)	1.0	1.0	1.0	1.0

Material specification: Cu, NBR, CW614N

FLEXBLOW HOSE

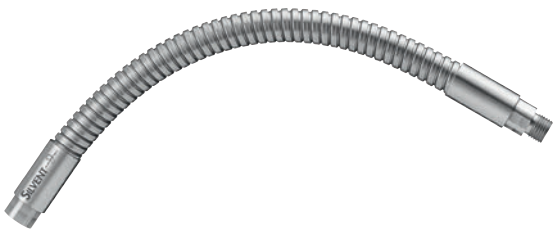


Robust FlexBlow hose in stainless steel, with 1/8" thread at both ends.
Available in 4 different lengths.

TECHNICAL DATA	FB18-200	FB18-300	FB18-400	FB18-500
Connection	G 1/8"	G 1/8"	G 1/8"	G 1/8"
Dimensions (mm)	Ø14x200	Ø14x300	Ø14x400	Ø14x500
Weight (g)	94	124	153	183
Max temp (°C)	260	260	260	260
Max op. pressure (MPa)	1.0	1.0	1.0	1.0

Material specification: EN 1.4301, PTFE, CU

FLEXBLOW HOSE

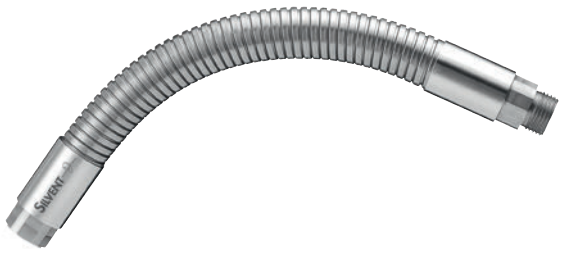


Robust FlexBlow hose in stainless steel, with 1/4" thread at both ends.
Available in 4 different lengths.

TECHNICAL DATA	FB14-200	FB14-300	FB14-400	FB14-500
Connection	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Dimensions (mm)	Ø18.5x200	Ø18.5x300	Ø18.5x400	Ø18.5x500
Weight (g)	166	217	267	318
Max temp (°C)	260	260	260	260
Max op. pressure (MPa)	1.0	1.0	1.0	1.0

Material specification: EN 1.4301, PTFE, CU

FLEXBLOW HOSE



Robust FlexBlow hose in stainless steel, with 1/2" thread at both ends. Available in 3 different lengths.

TECHNICAL DATA	FB12-300	FB12-400	FB12-500
Connection	G 1/2"	G 1/2"	G 1/2"
Dimensions (mm)	Ø26.5x300	Ø26.5x400	Ø26.5x500
Weight (g)	394	478	563
Max temp (°C)	260	260	260
Max op. pressure (MPa)	1.0	1.0	1.0

Material specification: EN 1.4301, PTFE, CU

MAGNETIC BASE

The magnetic base is available in two versions for single and double FlexBlow hoses. The powerful magnet allows both horizontal and vertical attachment. Connection 3/8" hose fitting. Material: steel.

TECHNICAL DATA	2211	2222
Connection	Ø 9	Ø 9
Dimensions (mm)	Ø85x98	Ø85x130
Weight (g)	680	950
Max temp (°C)	70	70
Max op. pressure (MPa)	1.0	1.0

Material specification: CW614N, Cu, EN 10305-1, Fzb, Ferrite

SLEEVE

Connection sleeve for single mounting of Silvent 952. Material: Aluminum.

TECHNICAL DATA	2252
Connection	G 1/4"
Dimensions (mm)	Ø30x70
Weight (g)	50
Max temp (°C)	70
Max op. pressure (MPa)	1.0

Material specification: EN AW 6026

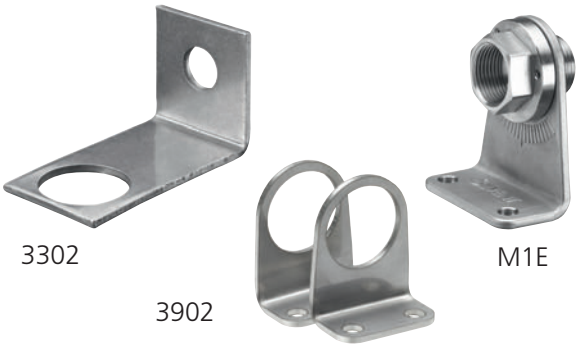
MOUNTING PLATE

In cases where magnetic attachment is not suitable, the magnetic base for FlexHoses or a FlexArm can be replaced with a mounting plate for fixed attachment. Material: steel.

TECHNICAL DATA	2911
Connection	M10x1.5
Dimensions (mm)	100x60x12
Weight (g)	500
Max temp (°C)	70

Material specification: EN 1.0718 FeZn 10 C4

MOUNTING BRACKETS



Mounting brackets used for Silvent's air knives. Brackets fitted at either end of the manifold, and squeezed between the existing plug and the outer wall of the profile.

TECHNICAL DATA	3302	3902	M1E
Connection	Ø17	Ø19	G 1"
Dimensions (mm)	23x25x45	28x17x36	80x45x100
Weight (g)	20	14	596
Max temp (°C)	400	400	400

Material specification: EN 1.4301

CONNECTION NIPPLE

Connection nipple used to assemble Silvent 300 Z + air knives, e.g. 310 Z + and 304 Z +.

TECHNICAL DATA	A 12
Connection	G 1/2"
Dimensions (mm)	G1/2"x25
Weight (g)	11
Max temp (°C)	180
Max op. pressure (MPa)	1.0

Material specification: EN 11SMnPb30, Fzb

HIGH FLOW REGULATOR

Silvent's high-flow regulators provide optimum utilization of compressed air. The product is specially selected and tested to handle demanding blowing applications.

TECHNICAL DATA	SR 34	SR 10	SR 20
Connection	G 3/4"	G 1"	G 2"
Weight (g)	892	1851	3460
Max temp (°C)	79	79	79
Max op. pressure (MPa)	2.1	2.1	2.1

:

SAFETY SHIELD

Safety shields effectively protect the eyes and body from spattering and flying chips when, for example, cleaning out blind holes. Material: Polycarbonate. Meets OSHA requirements for safe blowing.

TECHNICAL DATA	590	591	592
Dimensions (mm)	Ø100	Ø100	Ø100
Weight (g)	10	24	24
Max temp (°C)	70	70	70
Fits	007, 500, 2050, Pro One	008, 501	2055-A

Material specification: PC

AIR SHIELD

SILVENT AS1 and AS3 are air shields that prevent spattering and flying chips from striking the body and eyes. Especially suitable when space is limited. Material: Aluminum. Supplied pre-assembled at the factory. Specify with an additional designation at the end of the order no., e.g. 007-L-AS1. Meets OSHA requirements for safe blowing.

TECHNICAL DATA	AS1	AS3
Connection	M8x1	G 3/8"
Dimensions (mm)	Ø12	Ø24
Weight (g)	2	10
Max temp (°C)	70	70
Max op. pressure (MPa)	1.0	1.0
Fits	007, 500, 2050	2055

Material specification: EN AW 2011 T8

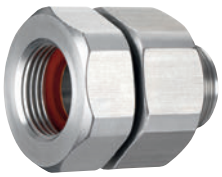
SOFTGRIP

SILVENT SG-2000 is a synthetic rubber softgrip handle that can be ordered as an accessory for all the air blow guns in our 2000 series. The material insulates against both heat and cold and is easy on the hand. Material: TPE.

TECHNICAL DATA	SG-2000
Weight (g)	10
Max temp (°C)	70
Fits	2050, 2055

Material specification: TPE

SWIVEL



SILVENT SW-4000 is an adjustable swivel joint for the SILVENT 4000 series. It makes it easier to use the bazooka. Seals of Nitrile. Material: Aluminum.

TECHNICAL DATA	SW-4000
Connection	G 3/4"
Dimensions (mm)	Ø41x50
Weight (g)	135
Max temp (°C)	70
Max op. pressure (MPa)	1.0
Fits	4010, 4015, 4020

Material specification: EN AW 2011 T8

ASSEMBLY TOOL FOR MJ4-QS

TOOL MJ4-QS is used when installing the SILVENT MJ4-QS air nozzle directly on a 4 millimeter pipe. The TOOL MJ4-QS makes it easy to push the SILVENT MJ4-QS air nozzle into place without causing any damage to the pipe or the nozzle.

TECHNICAL DATA	TOOL MJ4-QS
Weight (g)	2
Fits	MJ4-QS

Material specification: EN 1.4404, EN 1.4305

OSHA TEST GAUGE

SILVENT OSH is an OSHA safety gauge. A simple measuring device for checking dead-end pressure. According to OSHA regulations, the static outlet pressure of a nozzle or pipe must not exceed 210 kPa (30 psi).

TECHNICAL DATA	OSH
Weight (g)	100

SOUND LEVEL METER

A sound level meter for spot measurements in dB (A). Continuous measurements or max value. Complies with IEC61672-1 Class 2, ANSI 51.4 Type 2.

TECHNICAL DATA	SPL
Weight (g)	211

Comprehensive laboratory checks are performed using measuring equipment calibrated according to internationally approved standards and form the basis for the technical data presented in the catalog.

Technical specifications

Basic information

Instructions for use
Do not install Silvent products until you have read and understood the Silvent Group General Instructions for use.

Silvent products are specifically designed for use in compressed air systems in accordance with ISO 8573-1 [3:4:3]. They must not be used where pressure or temperature exceed maximum rated operating conditions.

Maximum pressure
For our nozzles and air knives, maximum recommended working pressure is 1.0 MPa (145 psi) unless stated otherwise. For our air blowing guns, maximum recommended working pressure is 0.7 MPa (100 psi) unless stated otherwise.

Thread standards
G-thread
Cylindrical thread according to ISO 228/1. Use sealing washer, adhesive or thread tape during assembly. Another classification for this thread is BSP (British Standard Pipe Thread).

NPT thread (National Pipe Thread)
American Standard in accordance with ANSI/ASME B 1.20.1. Thread deformation achieves a seal.

M-thread
Metric thread according to ISO 68/ISO 724. Use adhesive or thread tape during assembly.

Conditions for measurements of blowing performance
- Feed pressure is measured at air nozzle air inlet.
- The blowing force is measured on a flat surface of 310 x 290 mm (12.20" x 11.40") and with a distance of 200 mm (7.87") from the air nozzle outlet.
- The sound level is measured at a distance of one meter (3.28 ft) from the air nozzle outlet and with the microphone perpendicular to the direction of the air jet.
- The air consumption is measured by a flow meter located immediately before the air nozzle inlet.

All technical data presented in this catalog apply at a feed pressure of 500 kPa (72.5 psi) unless stated otherwise.

Noise reduction and energy savings
The specific figures for noise reduction and energy savings on the product pages are based on replacement of an open pipe with a diameter as indicated for each product in the technical data.

Nozzle material
Table of materials including temperatures.

MATERIAL (nozzle)	KIND OF MATERIAL	International standards		DESCRIPTION	MAX TEMPERATURE
		EN	ASTM		
1.4305 (303)	Stainless steel	1.4305	303	*Suitable for high ambient temperatures, mechanical wear, corrosive atmosphere, and cleanliness.*	400°C
1.4404 (316L)	Acid-resistant stainless steel	1.4404	316L	*Suitable for high ambient temperatures, mechanical wear, aggressive corrosive atmosphere, and high demand on cleanliness.*	400°C
1.4542 (630)	Stainless steel	1.4542	630	*Suitable for high ambient temperatures, mechanical wear, moderate corrosive atmosphere, and cleanliness.*	400°C
Zn	Zinc			*Handles blowing applications with low ambient temperature and limited mechanical abrasion.*	70°C
Al	Aluminum			*Handles blowing applications with low ambient temperature and limited mechanical abrasion.*	150°C
EPDM	Ethylene Propylene Diene Monomer rubber			*Minimices the risk of scratching during blowing with compressed air.*	70°C
PEEK	Polyether Ether Ketone			*Soft contact surface but can withstand high temperatures.*	260°C
Zytel	Thermoplastic polyamide			*An advanced fiberglass-reinforced polyamide with good performance in terms of moisture, temperature, and chemical environment.*	180°C

Air supply

An important factor for the air nozzle(s) to function optimally is that the air supply must be large enough. Otherwise the flow might be turbulent and/or the blowing force could be unevenly distributed.
For applications that use many nozzles mounted on a line the air supply can be divided among multiple inlets.
It is also important that fittings and nipples do not choke the air supply.

The table to the right shows how many nozzles can be supplied by one line (feeding from one side).

Table for air supply

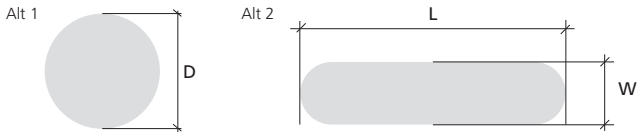
Number of nozzles/line (internal diameter Ø)

	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"
MJ4	13	29	52	118	210	473	841
MJ5	5	11	21	47	84	189	336
MJ6	3	8	15	33	60	135	240
X01	4	8	15	34	60	135	240
209 L-S	3	7	12	28	50	111	198
209 L	3	6	12	27	49	111	198
512	2	6	11	24	44	99	177
011	2	6	11	24	44	99	177
701	2	5	10	22	40	90	160
811	3	7	13	31	55	124	221
931	3	7	12	26	47	105	187
961	2	6	10	24	43	97	172
941	3	7	12	26	47	105	187
971	2	5	10	22	40	90	160
921	3	6	12	27	49	111	198
209	2	6	11	24	44	99	177
801	2	5	9	20	36	82	146
700 M	2	4	8	18	33	75	134
1011	2	4	8	18	32	72	129
X02	2	3	6	14	25	56	99
9002W-Z	1	3	7	15	28	63	112
920 A	1	3	7	15	28	63	112
9002W	1	3	7	15	28	63	112
9002W-S	2	4	8	17	30	68	120
9002W-S+	1	3	6	12	22	50	89
X03	1	2	3	8	14	32	58
973	1	2	3	8	14	32	58
703	0	2	3	8	14	33	59
703 L	0	1	3	7	14	31	56
804	0	1	3	6	12	27	48
404 L	0	1	3	6	12	27	49
705	0	1	2	4	8	19	35
2005	0	1	2	4	8	19	34
9005W	1	1	2	6	11	24	44
705 L	0	1	2	4	8	19	35
X07	0	1	2	4	7	15	27
707 L	0	0	1	3	7	15	28
707 C	0	1	2	4	7	16	28
407 L	0	0	1	3	7	15	28
808	0	0	1	3	6	14	26
710	0	0	0	2	3	8	15
710 L	0	0	0	2	3	8	15
412 L	0	0	1	2	4	9	16
715 C	0	0	0	1	2	6	10
9015W	0	0	1	2	3	8	14
715 L	0	0	0	1	2	6	10
720	0	0	0	1	2	4	8
730 C	0	0	0	0	1	2	5
735 L	0	0	0	0	1	2	4
745 L	0	0	0	0	1	2	4
780 LA	0	0	0	0	0	1	1
795 L	0	0	0	0	0	1	1

Blowing characteristics

MODEL	BLOWING FORCE [N]					AIR CONSUMPTION [Nm³ h]					SOUND LEVEL [dB(A)]				
PRESSURE [kPa]	200	400	600	800	1000	200	400	600	800	1000	200	400	600	800	1000
Air nozzles															
MJ4	0.4	0.7	1.1	1.4	1.8	1.4	3.1	4.8	6.4	8.1	66.8	74.3	76.6	80.0	81.4
MJ5	0.7	1.5	2.1	2.9	3.6	4.5	7.9	11.4	14.8	18.2	72.3	77.6	80.7	84.5	86.0
MJ6	1.1	2.1	3.0	4.0	5.0	6.8	11.6	16.6	21.4	26.2	74.6	80.5	83.6	87.5	88.4
X01	1.2	2.3	3.4	4.5	5.6	8.0	12.0	16.0	20.0	24.0	72.0	76.0	79.0	82.0	84.0
209 L-S	1.4	2.7	4.0	5.3	6.8	8.5	13.8	20.1	26.4	32.2	70.0	75.5	78.7	83.0	86.0
209 L	1.4	2.7	4.0	5.3	6.8	8.5	13.8	20.1	26.4	32.2	70.0	75.5	78.7	83.0	86.0
512	1.4	2.6	4.0	5.1	6.3	9.3	15.3	22.8	29.8	36.8	71.0	76.8	81.0	84.9	87.5
011	1.4	2.8	4.1	5.5	7.0	9.5	15.5	22.5	29.5	36.0	72.0	77.5	80.7	85.0	88.0
701	1.4	2.6	4.0	5.2	6.3	10.0	16.5	26.5	33.2	40.0	75.3	80.0	83.6	86.2	87.5
811	1.1	2.2	3.3	4.3	5.4	7.5	12.5	17.6	22.7	27.7	69.5	76.7	80.9	83.6	85.9
931	1.6	2.9	4.2	5.5	6.8	9.0	15.0	21.0	27.0	33.0	69.4	76.1	79.8	81.4	82.2
961	1.3	2.6	3.9	5.1	6.6	9.0	15.5	22.7	29.6	36.5	71.1	78.1	82.8	85.5	87.6
941	1.6	2.9	4.2	5.5	6.8	9.0	15.0	21.0	27.0	33.0	69.4	76.1	79.8	81.4	82.2
971	1.6	3.1	4.6	6.0	7.5	10.5	17.9	24.7	31.7	38.8	71.7	79.3	82.7	85.4	87.4
921	1.2	2.4	3.6	4.8	6.0	7.9	13.5	19.8	25.8	31.8	69.2	76.4	80.8	83.5	85.7
209	1.4	2.8	4.1	5.5	7.0	9.5	15.5	22.5	29.5	36.0	72.0	77.5	80.7	85.0	88.0
801	1.4	3.0	4.8	6.5	8.3	9.7	18.0	26.1	34.9	44.1	71.6	78.4	83.1	86.0	88.0
700 M	1.8	3.2	5.3	7.0	8.9	12.9	21.3	31.0	40.0	48.6	75.8	82.5	86.7	88.6	90.3
1011	1.9	3.6	5.3	6.9	8.5	13.0	22.1	30.9	40.0	48.3	74.0	81.2	85.5	88.6	90.7
X02	2.6	5.2	7.7	10.3	12.8	15.2	28.6	40.9	53.9	66.8	79.2	84.3	88.0	89.8	90.5
9002W-Z	2.4	4.6	6.8	8.9	11.1	13.3	23.2	33.2	43.2	53.1	69.9	76.0	79.0	84.1	86.4
920 A	2.0	4.3	7.0	9.2	11.4	12.0	25.0	38.0	50.1	62.0	72.0	79.1	83.3	86.6	88.4
9002W	2.5	4.9	7.1	9.3	11.5	16.0	25.0	34.0	43.0	52.0	71.3	78.0	82.0	85.0	87.2
9002W-S	2.8	4.6	6.4	8.1	9.8	15.0	23.0	31.0	40.0	49.0	71.0	76.0	79.0	82.0	84.0
9002W-S+	3.3	6.2	8.9	11.7	14.4	19.0	32.0	45.0	58.0	71.0	74.0	82.0	85.0	88.0	90.0
X03	3.3	7.7	12.0	16.4	20.8	25.7	43.8	61.9	79.9	98.0	81.7	87.4	90.7	93.1	94.9
973	4.0	7.9	11.5	15.2	18.9	29.2	49.0	67.9	87.2	106.5	76.7	84.0	87.6	90.5	92.6
703	4.1	7.8	11.8	15.3	19.1	29.8	49.5	71.5	90.2	106.1	83.0	87.0	90.8	93.0	94.6
703 L	4.3	8.2	13.0	17.2	21.7	27.0	48.3	70.1	93.0	117.9	87.8	90.0	92.8	95.2	97.2
804	4.8	9.7	15.0	19.5	24.5	35.2	58.9	81.8	105.0	127.8	82.2	88.2	92.3	95.4	97.5
404 L	5.6	10.8	16.4	21.9	27.0	36.0	57.2	80.8	104.3	125.4	76.0	81.5	84.7	89.0	92.0
705	6.3	12.1	18.3	24.0	30.0	49.8	82.0	114.0	149.0	180.0	85.6	90.6	95.0	97.6	100.0
2005	6.6	12.2	17.8	23.4	29.0	48.5	81.1	114.0	146.8	179.6	82.8	90.0	94.4	97.4	99.3
9005W	6.7	12.4	18.1	23.8	29.5	40.0	64.0	88.0	112.0	136.0	79.0	85.5	89.1	91.3	92.7
705 L	6.5	13.1	20.2	27.1	33.9	43.1	78.0	111.2	145.8	181.1	86.0	91.2	94.0	96.1	97.6
X07	8.7	17.9	27.0	36.2	45.3	64.0	101.0	142.0	180.0	219.0	92.1	94.4	95.9	96.8	97.2
707 L	9.0	16.9	25.0	33.2	40.9	60.9	99.8	139.1	176.9	219.8	87.8	92.3	95.1	97.0	98.6
707 C	8.1	15.3	23.6	31.0	38.7	62.7	103.3	145.0	183.5	224.0	85.6	90.6	95.0	97.6	99.8
407 L	9.5	19.3	29.0	38.9	47.7	52.8	96.7	139.0	182.6	223.7	78.5	84.0	87.3	91.5	94.5
808	9.2	18.8	29.2	39.0	49.8	57.4	102.5	154.0	204.0	255.0	86.5	93.8	98.0	100.6	102.3
710	11.8	23.6	35.0	47.3	58.3	93.0	175.0	250.0	340.1	412.0	91.1	96.7	100.7	103.5	105.4
710 L	15.1	27.2	39.1	51.4	63.9	104.0	179.0	250.0	337.0	400.0	92.8	97.5	101.6	104.9	106.5
412 L	16.3	31.7	48.5	60.4	74.2	97.7	167.8	236.8	313.2	386.9	80.8	86.3	89.5	93.8	96.8
715 C	18.1	35.7	53.3	71.2	88.9	142.8	257.0	364.0	476.4	587.2	92.1	97.6	101.7	103.0	104.5
9015W	20.0	36.5	53.0	69.5	86.0	117.0	191.0	265.0	339.0	413.0	85.7	92.1	95.8	96.8	97.4
715 L	24.4	47.3	73.5	98.0	115.1	165.5	284.8	412.8	535.0	654.8	97.9	103.4	107.7	111.2	112.7
720	20.0	51.7	82.9	114.1	145.4	182.6	343.5	500.0	650.1	804.1	96.1	101.2	105.0	107.3	109.8
730 C	31.8	75.3	117.9	161.9	205.3	275.6	518.5	750.0	990.6	1228.3	97.3	102.5	106.3	107.7	109.1
735 L	47.0	99.1	155.2	209.6	261.8	331.0	619.8	908.2	1180.5	1460.0	101.1	106.5	110.4	112.2	113.4
745 L	62.8	118.7	174.6	230.5	286.5	375.0	625.0	875.0	1125.0	1375.0	107.0	114.0	122.0	125.0	126.0
780 LA	130.0	230.0	320.0	420.0	520.0	950.0	1550.0	2150.0	2750.0	3350.0	111.0	117.5	120.0	122.0	123.5
795 L	150.9	290.3	429.7	569.1	708.4	915.4	1538.5	2161.5	2784.6	3407.6	110.0	117.0	126.0	127.0	128.0
910	2.2	4.3	6.7	8.8	11.0	15.6	30.0	44.8	59.9	73.3	76.5	83.4	87.0	90.1	92.6
912	5.3	10.3	16.1	21.1	26.4	37.4	72.0	107.5	143.7	176.0	81.1	87.8	90.7	92.9	94.1
915	2.0	4.1	6.6	8.9	11.2	20.5	33.5	44.5	56.2	67.9	79.4	84.6	88.3	91.1	92.6
952	-	-	-	-	-	18.6	30.6	45.6	59.6	73.6	-	-	-	-	-
453	8.4	15.6	24.0	30.6	37.8	55.8	91.8	136.8	178.8	220.8	82.0	87.8	92.0	95.9	98.5
454	6.3	13.1	19.4	25.7	33.0	50.7	87.4	128.0	167.0	205.9	78.9	85.2	89.7	92.2	94.4
455	14.7	28.7	43.4	56.3	70.8	106.5	179.2	264.8	345.8	426.7	86.0	91.8	96.0	99.9	102.5
463 L	17.3	33.4	49.4	65.6	84.1	110.5	179.4	261.3	343.2	418.6	83.9	89.4	92.6	96.9	99.9
464	12.6	26.2	38.8	51.4	66.0	108.0	186.0	272.4	355.2	438.0	80.9	88.1	92.7	95.2	98.2
465 L	29.9	59.6	88.2	117.8	150.1	218.5	365.4	533.7	698.4	856.6	85.9	93.3	97.8	100.3	102.5
473 L	41.2	78.4	115.6	152.8	194.0	267.0	438.2	630.0	821.6	1003.2	87.2	94.1	98.4	101.9	103.3
474	29.9	59.8	92.0	121.9	151.8	207.0	356.5	522.1	680.8	839.5	84.7	91.7	96.4	99.1	101.2
475 L	71.1	138.2	207.6	274.7	345.8	474.0	794.7	1152.1	1502.4	1842.7	89.2	96.1	100.4	103.6	105.1

Blowing coverage

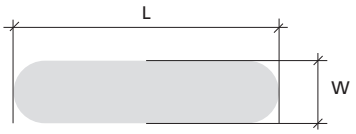


BLOWING DISTANCE	50 mm			100 mm			200 mm			300 mm			400 mm			500 mm		
MODEL	D	L	W	D	L	W	D	L	W	D	L	W	D	L	W	D	L	W
Air nozzles																		
MJ4	12			24			45			65			88			110		
MJ5	13			27			53			80			106			133		
MJ6	20			35			65			95			125			155		
X01	20			35			60			90			120			150		
209 L-S	40			65			115			165			215			265		
209 L	40			65			115			165			215			265		
512	24			38			80			114			156			194		
011	24			38			80			114			156			194		
701	95			140			190			235			280			330		
811	24			38			80			114			156			194		
931		35	25		60	50		90	80		120	120		180	180		200	200
961		63	30		82	50		120	90		160	130		200	170		240	210
941		35	25		60	50		90	80		120	120		180	180		200	200
971		60	30		80	50		120	90		160	130		200	170		240	210
921		63	30		82	50		120	90		160	130		200	170		240	210
209	40			65			115			165			215			265		
801	40			65			115			165			215			265		
700 M	70			95			145			190			240			290		
1011	24			38			80			114			156			194		
X02	20			35			60			90			120			150		
9002W-Z		80	45		110	65		150	105		190	145		220	185		270	225
920 A		80	40		100	60		140	100		180	140		220	180		260	220
9002W		80	45		100	65		140	105		180	145		220	185		260	225
9002W-S		80	45		100	65		140	105		180	145		220	185		260	225
9002W-S+		80	45		100	65		140	105		180	145		220	185		260	225
X03	33			73			113			153			193			233		
973		100	40		120	60		160	100		200	140		240	180		280	220
703	95			140			190			235			280			330		
703 L	95			140			190			235			280			330		
804	82			108			162			215			268			321		
404 L	80			110			165			220			280			340		
705	95			140			190			235			280			330		
2005	82			108			162			215			268			321		
9005W		100	45		120	65		160	105		200	145		240	185		280	225
705 L	95			140			190			235			280			330		
X07	40			80			120			160			200			240		
707 L	95			140			190			235			280			330		
707 C	95			140			190			235			280			330		
407 L	98			130			195			260			325			390		
808	92			137			198			232			278			327		
710	140			200			240			280			325			365		
710 L	140			200			240			280			325			365		
412 L	127			165			245			325			405			485		
715 C	140			200			240			280			325			365		
9015W		155	45		180	90		210	140		250	200		290	260		330	330
715 L	140			200			240			280			325			365		
720	200			260			315			370			445			485		
730 C	200			260			315			370			445			485		
735 L	200			260			315			370			445			485		
745 L	90			125			180			230			265			320		
780 LA	160			220			260			300			345			385		
795 L	130			235			270			306			340			375		

Blowing characteristics

MODEL	BLOWING FORCE [N]					AIR CONSUMPTION [Nm³/h]					SOUND LEVEL [dB(A)]				
PRESSURE [kPa]	200	400	600	800	1000	200	400	600	800	1000	200	400	600	800	1000
Air knives															
304 Z+	5.0	9.8	14.2	18.6	23.0	32.0	50.0	68.0	86.0	104.0	74.3	81.0	85.0	88.0	90.2
310 Z+	13.4	24.8	36.2	47.6	59.0	80.0	128.0	176.0	224.0	272.0	82.0	88.5	92.1	94.3	95.7
302 L	2.8	5.4	8.0	10.6	13.6	17.0	27.6	40.2	52.8	64.4	73.0	78.5	81.7	86.0	89.0
304 L	5.6	10.8	16.0	21.2	27.2	34.0	55.2	80.4	105.6	128.8	76.0	81.5	84.7	89.0	92.0
306 L	8.4	16.2	24.0	31.8	40.8	51.0	82.8	120.6	158.4	193.2	78.8	83.3	86.5	90.8	93.8
302 L-S	2.8	5.4	8.0	10.6	13.6	17.0	27.6	40.2	52.8	64.4	73.0	78.5	81.7	86.0	89.0
304 L-S	5.6	10.8	16.0	21.2	27.2	34.0	55.2	80.4	105.6	128.8	76.0	81.5	84.7	89.0	92.0
306 L-S	8.4	16.2	24.0	31.8	40.8	51.0	82.8	120.6	158.4	193.2	78.8	83.3	86.5	90.8	93.8
392	4.0	8.6	14.0	18.4	22.8	24.0	50.0	76.0	100.2	124.0	75.0	82.1	86.3	89.6	91.4
394	8.0	17.2	28.0	36.8	45.6	48.0	100.0	152.0	200.4	248.0	78.0	85.1	89.3	92.6	94.4
396	12.0	25.8	42.0	55.2	68.4	72.0	150.0	228.0	300.6	372.0	79.8	86.9	91.1	94.4	96.2
392 W-S	5.6	9.2	12.8	16.2	19.6	30.0	46.0	62.0	80.0	98.0	74.0	79.0	82.0	85.0	87.0
394 W-S	11.2	18.4	25.6	32.4	39.2	60.0	92.0	124.0	160.0	196.0	77.0	82.0	85.0	88.0	90.0
396 W-S	16.8	27.6	38.4	48.6	58.8	90.0	138.0	186.0	240.0	294.0	78.8	83.8	86.8	89.8	91.8
362	2.6	5.2	7.8	10.2	13.2	18.0	31.0	45.4	59.2	73.0	74.1	81.1	85.8	88.5	90.6
364	5.2	10.4	15.6	20.4	26.4	36.0	62.0	90.8	118.4	146.0	77.1	84.1	88.8	91.5	93.6
366	7.8	15.6	23.4	30.6	39.6	54.0	93.0	136.2	177.6	219.0	78.9	85.9	90.6	93.3	95.4
332	3.2	5.8	8.4	11.0	13.6	18.0	30.0	42.0	54.0	66.0	72.4	79.1	82.8	84.4	85.2
334	6.4	11.6	16.8	22.0	27.2	36.0	60.0	84.0	108.0	132.0	75.4	82.1	85.8	87.4	88.2
336	9.6	17.4	25.2	33.0	40.8	54.0	90.0	126.0	162.0	198.0	77.2	83.8	87.6	89.2	90.0
372	8.0	15.8	23.0	30.4	37.8	58.4	98.0	135.8	174.4	213.0	79.7	87.0	90.6	93.5	95.6
374	16.0	31.6	46.0	60.8	75.6	116.8	196.0	271.6	348.8	426.0	82.7	90.0	93.6	96.5	98.6
378	32.0	63.2	92.0	121.6	151.2	233.6	392.0	543.2	697.6	852.0	85.7	93.0	96.6	99.5	101.6
372 F	8.0	15.8	23.0	30.4	37.8	58.4	98.0	135.8	174.4	213.0	79.7	87.0	90.6	93.5	95.6
374 F	16.0	31.6	46.0	60.8	75.6	116.8	196.0	271.6	348.8	426.0	82.7	90.0	93.6	96.5	98.6
378 F	32.0	63.2	92.0	121.6	151.2	233.6	392.0	543.2	697.6	852.0	85.7	93.0	96.6	99.5	101.6

Blowing coverage



BLOWING DISTANCE	50 mm		100 mm		200 mm		300 mm		400 mm		500 mm	
MODEL	L	W	L	W	L	W	L	W	L	W	L	W
Air knives												
304 Z+	152	45	172	65	212	105	252	145	292	185	332	225
310 Z+	172	45	192	65	232	105	272	145	312	185	352	225
302 L	90	40	115	65	165	115	215	165	270	220	325	275
304 L	190	40	215	65	265	115	315	165	370	220	425	275
306 L	290	40	315	65	365	115	415	165	470	220	524	275
302 L-S	90	40	115	65	165	115	215	165	270	220	325	275
304 L-S	190	40	215	65	265	115	315	165	370	220	425	275
306 L-S	290	40	315	65	365	115	415	165	470	220	524	275
392	130	40	150	60	190	100	230	140	270	180	310	220
394	230	40	250	60	290	100	330	140	370	180	410	220
396	330	40	350	60	390	100	430	140	470	180	510	220
392 W-S	130	45	150	65	190	105	230	145	270	185	310	225
394 W-S	230	45	250	65	290	105	330	145	370	185	410	225
396 W-S	330	45	350	65	390	105	430	145	470	185	510	225
362	92	30	112	50	152	90	192	130	232	170	272	210
364	142	30	162	50	202	90	242	130	282	170	322	210
366	192	30	212	50	252	90	292	130	332	170	372	210
332	95	25	115	50	155	80	195	120	235	180	275	200
334	143	25	163	50	203	80	243	120	283	180	323	200
336	197	25	217	50	257	80	297	120	337	180	377	200
372	165	40	185	60	225	100	265	140	305	180	345	220
374	295	40	315	60	355	100	395	140	435	180	475	220
378	555	40	575	60	615	100	655	140	695	180	735	220
372 F	165	40	185	60	225	100	265	140	305	180	345	220
374 F	295	40	315	60	355	100	395	140	435	180	475	220
378 F	555	40	575	60	615	100	655	140	695	180	735	220

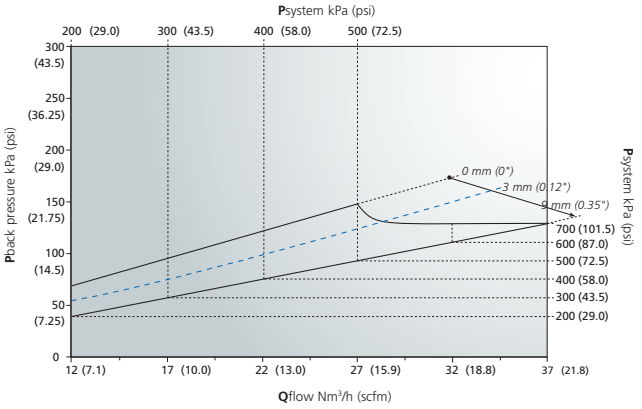
Blowing characteristics

MODEL	BLOWING FORCE [N]					AIR CONSUMPTION [Nm³/h]					SOUND LEVEL [dB(A)]				
PRESSURE [kPa]	200	400	500	600	700	200	400	500	600	700	200	400	500	600	700
Air blow guns															
Pro One	1.2	2.3	2.8	3.4	4.0	8.0	12.0	14.0	16.0	18.0	72.0	76.0	78.0	79.0	79.5
Pro One-MJ4-SP	0.4	0.7	0.9	1.1	1.3	1.4	3.1	4.0	4.8	5.6	66.8	74.3	76.0	76.6	78.5
Pro One-MJ5	0.7	1.5	1.8	2.1	2.5	4.5	7.9	10.0	11.4	13.1	72.3	77.6	79.0	80.7	82.6
Pro One-MJ6	1.1	2.1	2.5	3.0	3.5	6.8	11.6	14.0	16.6	18.9	74.6	80.5	82.0	83.6	85.4
Pro One +	1.6	3.5	4.3	5.2	6.2	12.3	20.2	24.2	28.1	32.2	75.6	80.2	82.0	83.5	84.8
007-S	1.0	2.2	2.8	3.6	4.3	6.0	12.0	16.0	19.5	23.0	71.0	78.5	81.0	81.5	82.5
007-X	1.2	2.3	2.8	3.4	4.0	8.0	12.0	14.0	16.0	18.0	72.0	76.0	78.0	79.0	80.0
007-X+	1.8	3.6	4.5	5.4	6.3	14.0	22.0	26.0	30.0	34.0	77.0	81.0	83.0	85.0	87.0
007-L	1.4	2.8	3.5	4.2	4.9	11.0	18.3	22.0	25.6	29.0	71.5	78.0	82.0	83.9	85.9
008 L	1.0	2.2	2.9	3.5	4.2	6.1	12.5	15.2	18.7	22.0	67.0	74.7	77.5	78.7	80.0
007-P	1.0	1.9	2.4	2.9	3.4	6.8	11.6	14.0	16.2	19.0	68.3	76.0	79.0	80.1	81.5
007-R	1.0	2.5	3.5	4.3	5.2	8.0	15.1	19.9	23.0	27.0	72.3	77.9	81.1	82.0	83.4
007-Z	1.0	2.3	3.0	3.6	4.3	6.8	14.0	17.0	20.9	24.0	68.0	76.5	79.0	80.5	81.8
007-MJ4	0.4	0.7	0.9	1.1	1.3	1.4	3.1	4.0	4.8	6.0	66.8	74.3	76.0	76.6	77.4
007-MJ5	0.7	1.5	1.8	2.1	2.4	4.5	7.9	10.0	11.4	13.0	72.3	77.6	79.0	80.7	81.7
007-MJ6	1.1	2.1	2.5	3.0	3.5	6.8	11.6	14.0	16.6	19.0	74.6	80.5	82.0	83.6	84.6
BG-007	0.4	0.8	1.0	1.2	1.4	1.4	3.1	4.4	5.2	6.0	66.2	74.3	77.0	78.9	80.4
59002W	2.3	4.5	6.0	6.5	7.5	15.0	24.0	30.0	32.0	36.0	69.3	76.0	80.0	80.0	81.3
500-X	1.2	2.3	2.8	3.4	4.0	8.0	12.0	14.0	16.0	18.0	72.0	76.0	78.0	79.0	80.0
500-X+	2.6	4.4	5.3	6.2	7.1	18.0	26.0	30.0	34.0	38.0	78.0	82.0	84.0	86.0	88.0
500-S	1.4	2.8	3.2	4.1	4.8	9.5	15.5	19.0	22.5	26.0	72.0	77.5	81.0	80.7	81.8
500-L	1.7	3.3	4.2	4.9	5.7	12.0	20.7	25.0	28.9	33.0	73.7	80.8	83.0	85.2	86.7
500-P	1.1	2.2	2.7	3.3	3.9	7.5	12.5	15.2	17.6	20.0	69.5	76.7	80.0	80.9	82.3
500-R	1.4	3.0	4.0	4.8	5.7	9.7	18.0	22.6	26.1	30.0	71.6	78.4	81.1	83.1	85.4
500-Z	1.4	2.6	3.2	4.0	4.7	9.3	15.3	19.0	22.8	27.0	71.0	76.8	79.0	81.0	82.4
500-MJ5	0.7	1.5	1.8	2.1	2.4	4.5	7.9	10.0	11.4	13.0	72.3	77.6	79.0	80.7	81.7
500-MJ6	1.1	2.1	2.5	3.0	3.5	6.8	11.6	14.0	16.6	19.0	74.6	80.5	82.0	83.6	84.6
501-L	1.4	2.7	3.4	4.0	4.7	8.5	13.8	17.0	20.1	23.0	70.0	75.5	78.0	78.7	79.8
5920	2.0	4.3	5.5	7.0	8.4	12.0	25.0	30.0	38.0	45.0	72.0	79.1	81.0	83.3	84.7
520 - 550	1.1	2.3	2.9	3.7	4.4	6.5	12.5	16.0	20.1	24.0	71.0	76.8	79.0	81.0	82.4
2053-X-SG	3.3	7.7	10.0	12.0	14.3	26.0	44.0	53.0	62.0	71.0	81.7	87.4	89.2	90.7	92.0
2055-A-SG	5.8	10.8	13.5	16.0	18.6	45.3	76.2	92.0	107.1	123.0	82.6	89.4	93.0	93.8	95.3
2053-L-SG	4.3	8.2	10.6	13.0	15.4	27.0	48.3	60.0	70.1	81.0	87.8	90.0	91.0	92.8	93.7
2055-S	6.3	12.1	15.0	18.3	21.4	49.8	82.0	95.0	114.0	130.0	85.6	90.6	92.0	95.0	96.5
2804-R	4.8	9.7	12.0	15.0	17.7	35.2	58.9	70.0	81.8	93.0	82.2	88.2	90.0	92.3	93.7
29002W-S+	3.3	6.2	7.5	8.9	10.3	19.0	32.0	37.5	45.0	51.4	74.0	82.0	83.0	85.0	86.6
2973	4.0	7.9	9.5	11.5	13.3	29.2	49.0	58.0	67.9	77.0	76.7	84.0	86.0	87.6	88.8
2050-X	1.2	2.3	2.8	3.4	4.0	8.0	12.0	14.0	16.0	18.0	72.0	76.0	78.0	79.0	80.0
2050-X+	2.6	4.4	5.3	6.2	7.1	18.0	26.0	30.0	34.0	38.0	78.0	82.0	84.0	86.0	88.0
2050-S	1.4	2.8	3.2	4.1	4.8	9.5	15.5	19.0	22.5	26.0	72.0	77.5	81.0	80.7	81.8
2050-L	2.0	3.6	4.4	5.3	6.2	13.2	22.2	26.0	31.3	36.0	73.4	81.0	84.0	85.4	86.9
2220-L	1.4	2.7	3.4	4.0	4.7	8.5	13.8	17.0	20.1	23.0	70.0	75.5	78.0	78.7	79.8
767-L	8.1	15.9	20.0	24.0	28.0	56.0	96.0	120.0	144.0	168.0	91.2	93.1	94.0	94.4	94.6
757-L	8.0	15.9	20.0	24.0	28.1	59.8	97.8	113.0	129.6	146.0	86.9	91.4	93.1	94.6	95.7
755-L	6.5	13.1	16.0	20.2	23.8	43.1	78.0	94.0	111.2	128.0	86.0	91.2	92.6	94.0	94.9
753-L	4.3	8.2	10.6	13.0	15.4	27.0	48.3	60.0	70.1	81.0	87.8	90.0	91.0	92.8	93.7
758-R	5.9	15.8	21.0	26.0	31.1	36.1	87.8	114.0	137.5	162.0	86.5	92.3	94.8	96.8	98.3
750-W	16.0	29.2	36.0	42.0	48.4	93.6	153.0	182.0	212.0	242.0	83.7	90.1	92.0	94.0	95.3
4015-LF		38.8	54.0	59.3	69.6		242.0	312.0	362.3	422.0		102.2	104.0	105.5	106.6
4015-L		38.8	54.0	59.3	69.6		242.0	312.0	362.3	422.0		102.2	104.0	105.5	106.6
4020-LF		72.6	100.0	125.9	152.6		399.0	532.0	657.0	786.0		113.0	118.0	120.0	122.3
4020-L		72.6	100.0	125.9	152.6		399.0	532.0	657.0	786.0		113.0	118.0	120.0	122.3
4010-S		23.6	30.0	35.0	40.7		175.0	216.0	250.0	288.0		96.7	99.0	100.7	102.0
4010-SF		23.6	30.0	35.0	40.7		175.0	216.0	250.0	288.0		96.7	99.0	100.7	102.0

Flow chart for pneumatic muffler SIS 02 – SIS 05

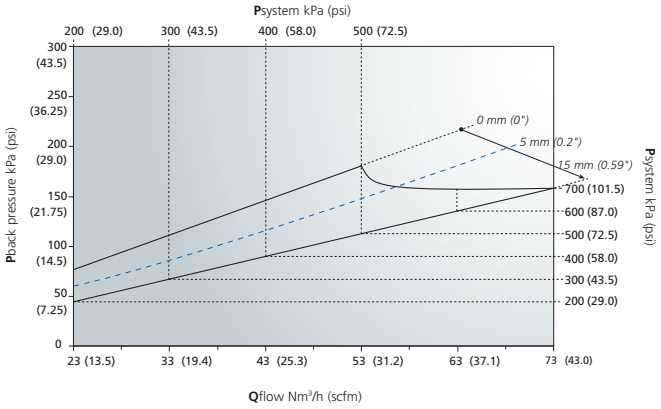
The diagrams show flows and back pressure for different system pressures for each SIS pneumatic muffler. The values in italics state in mm (inches) how much the silencer is triggered. Values range from zero to a maximum recommended triggered mode, where the warning indicator becomes visible.

SIS-02



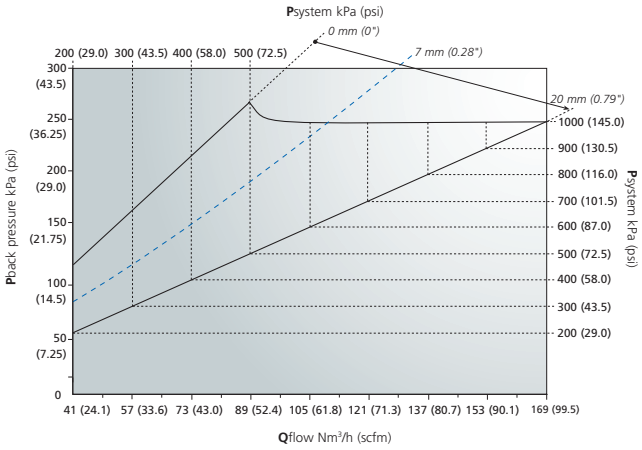
*Continuous operation over 1/8" valve with hose diameter Ø 6/4 mm (Ø 0.236").

SIS-03



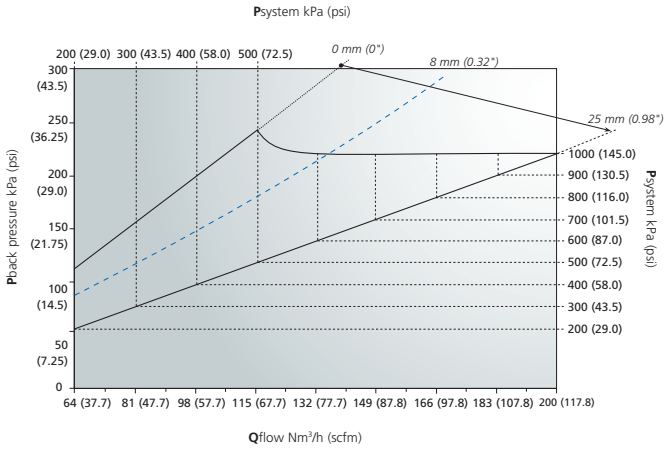
*Continuous operation over 1/4" valve with hose diameter Ø 8/6 mm (Ø 0.315").

SIS-04



*Continuous operation over 3/8" valve with hose diameter Ø 10/8 mm (Ø 0.394").

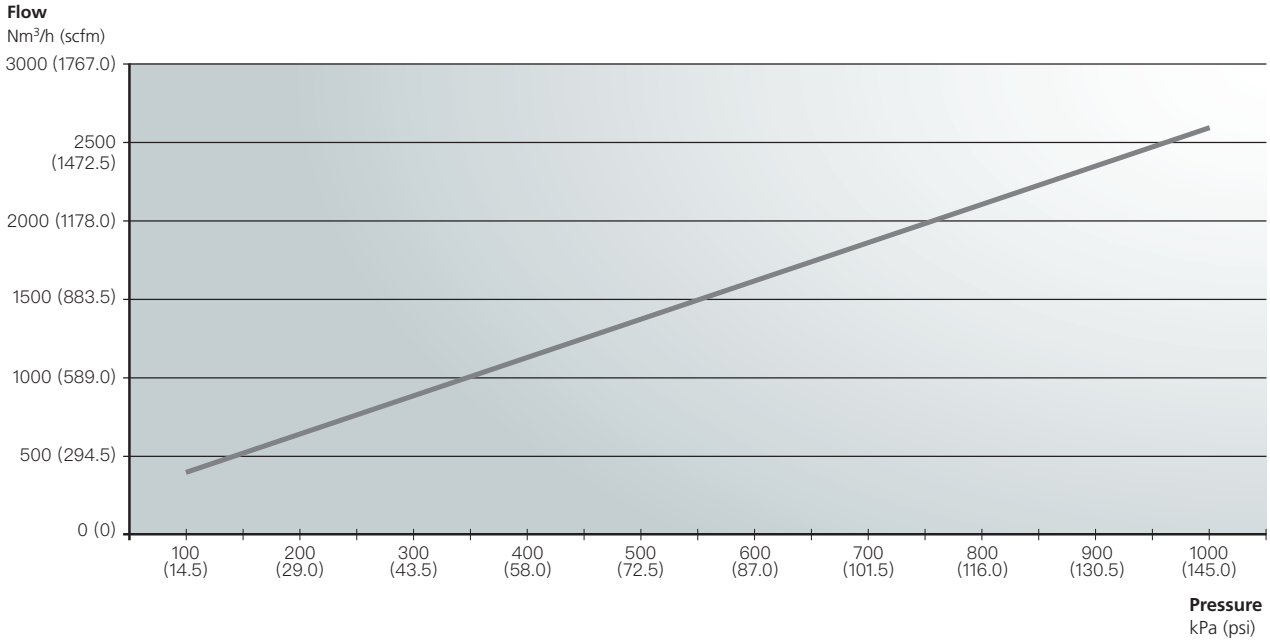
SIS-05



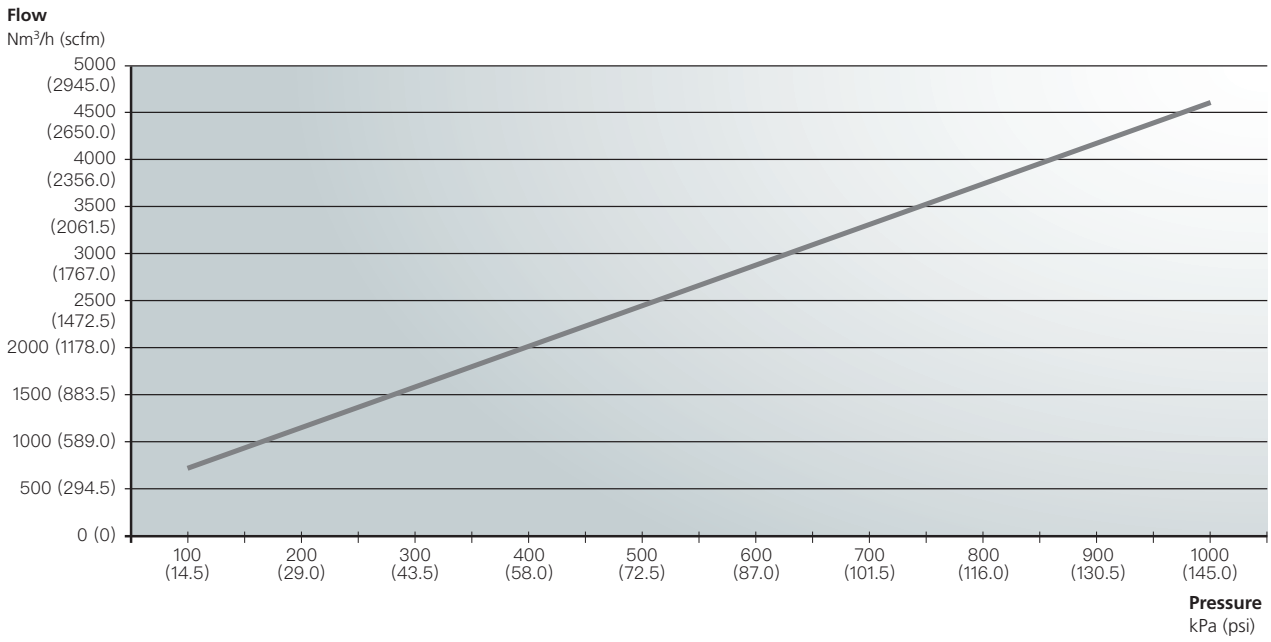
*Continuous operation over 1/2" valve with hose diameter Ø 12/10 mm (Ø 0.472").

Flow chart for pneumatic mufflers SIS 10 – SIS 20

SIS-10



SIS-20



PRODUCT LIST – Sorted by connection and blowing force

PRODUCT LIST

– Sorted in numerical order

The information and data in this catalog are based on our current product range and applicable standards. We reserve the right to make changes in accordance with technical developments and new regulations. No liability accepted for printing errors.

Production: Silvent AB
Unless otherwise specified, photos by: Gothia Reklamfoto-Mats Johansson, Photographer Anna Sigge and Superstudion-Robert Elmengård.
Print: Stibo Graphic A/S


SILVENT


SILVENT
ProOne

SILVENT AB HEADQUARTERS
Vevgatan 15
SE-504 64 Borås, **SWEDEN**
TEL +46 (0)33 23 79 00
E-MAIL info@silvent.se

SILVENT NORTH AMERICA INC
6370 AmeriPlex Drive
Portage, IN 46368 **USA**
TEL (800) 263-5638 and (219) 762-6876
E-MAIL info@silvent.com

SILVENT CALIFORNIA INC
8910 University Center Lane Suite 400
San Diego, CA 92122, **USA**
TEL +1 619 762 1730
E-MAIL california@silvent.com

SILVENT SOUTH EUROPE SARL
Twins 2 – Entrée A2
885 Avenue du Docteur Julien Lefebvre
CS 40454, 06273 Villeneuve Loubet,
FRANCE
TEL +33 (0)4 93 14 29 90
E-MAIL info@silvent.fr

SILVENT CENTRAL EUROPE GMBH
Strubergasse 26, Stadtwerk
5020 Salzburg, **AUSTRIA**
TEL +43 662 268 2050
E-MAIL info@silvent.at

SILVENT (SHANGHAI) TRADING CO LTD
22nd Floor, No. 1375 Middle Huai Hai Road
Shanghai 200031, P.R. **CHINA**
TEL +86 21 33565575
E-MAIL info@silvent.cn

SILVENT BENELUX BV
Jan Campertstraat 5,
6416 SG Heerlen, **NETHERLANDS**
TEL +31 (0)20 262 36 10
E-MAIL info@silvent.nl

SILVENT UK LTD
Unit 4330, Waterside Centre, Birmingham
Business Park,
Birmingham B37 7YN **ENGLAND**
TEL +44 (0)800 432 0190
E-MAIL info@silvent.co.uk

SILVENT IBERICA S.L.
Carrer Tànger 86
Barcelona B 08018, **SPAIN**
TEL +34 (0)93 170 61 20
E-MAIL info@silvent.es

SILVENT ITALIA SRL
Via Lungadige Galtarossa, 21
37133 Verona (VR), **ITALY**
TEL +39 (0)45 485 6080
E-MAIL info@silvent.it

SILVENT POLSKA SP.Z O.O.
Prosta 20
00-850 Warsaw, **POLAND**
TEL +48 22 104 13 20
E-MAIL info@silvent.pl