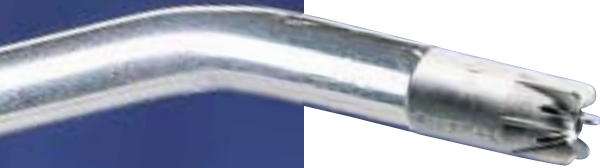




# Air guns with safety nozzles



## How to choose the right air gun

- 3.2 Important factors to consider when choosing an air gun
- 3.4 Safety is important!
- 3.5 Choose among 6 different model series

## Products

- 3.6 Air guns – 007 series
- 3.12 Air guns – 500 series
- 3.18 Air guns – 2000 series
- 3.24 Air guns – 750 series
- 3.26 Air guns – 4000 series
- 3.28 Special guns

*All of Silvent's safety air guns fully meet the noise limitation requirements of the EU Machine Directive as well as OSHA's safety regulations.*

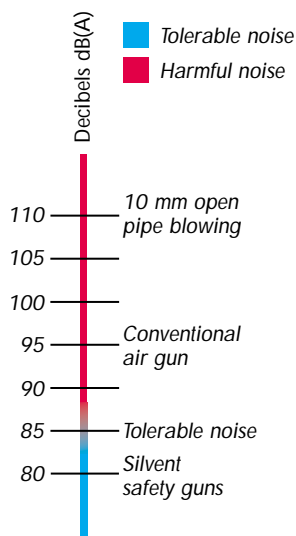
# Important considerations when choosing an air gun

## Economy

The major expense associated with air guns is not the purchase cost but rather the operating cost for compressed air. The purchase of an air gun with an energy-efficient and effective safety nozzle is always an investment. In a somewhat longer time perspective, it represents pure profit to raise the environmental standard and buy a slightly more expensive but safe air gun.

## Noise level

Conventional air guns are normally designed with an open pipe that generates a high and harmful noise level. Silvent's patented safety nozzles have been developed to reduce the air turbulence that is the primary cause of high noise levels when blowing with compressed air. Silvent safety guns generate just half the sound level of a conventional compressed air gun.



The OSHA gauge, a symbol of quality

## Safety

The OSHA gauge is an important tool for guaranteeing safety. The air pressure on the downstream side of an air gun nozzle or an open pipe is measured and may not, according to the regulations, exceed 30 psi (210 kPa). If the pressure is higher and the open pipe or air nozzle outlet is blocked by a hand or other body part, serious injury can result when air penetrates the skin and is forced into the bloodstream. Silvent safety nozzles are designed so that the outlet cannot be fully blocked and any back-pressure that may result will never exceed 30 psi (210 kPa).



### **How is the gun to be used?**

Every workplace is unique. To assure your personal safety as a user, it is important to choose the right air gun for your particular situation – not too small and not too big. A properly dimensioned air gun increases safety, reduces the noise level and saves considerable amounts of costly energy.

### **What functions should the pistol grip provide?**

Here there are nearly as many answers as there are users. In principle you should choose a grip with a good valve that allows you to fully control the airflow. This increases the possibility to save air and lower the noise level. Before making your decision, give some thought to the functions you need and what you expect of the grip. Do you always blow at full force or do you need a valve that allows you to variably regulate the blowing force? What environments must the material withstand and what type of trigger mechanism best suits your blowing operation? Regardless of the gun you choose from our range, rest assured that you will have chosen an ergonomically designed alternative.



*When manufacturing their cameras Hasselblad uses Silvent's "microgun" 007-MJ4.*



*The combination of an ergonomic grip and a short trigger for one or two fingers automatically provides the right blowing position without bending the wrist or risking muscle strain.*

# Safety is important!

## Design of the safety nozzle

The design and size of the nozzle are crucial to achieving the desired results. If your application requires that you perform a sweeping motion, you should choose a nozzle that creates a strong, broad air cone. For blowing in a confined space or holes, you need a nozzle with a small diameter in order to efficiently do the work. With the proper nozzle the blowing operation can be performed both more quickly and more efficiently. Think carefully before choosing a nozzle. The correct choice will eliminate the risk of hearing loss resulting from unnecessary noise and, at the same time, save costly compressed air.



## Extension pipes and safety shields

The length of the extension pipe is both a practical and a safety matter. By choosing the appropriate length you avoid having your face too close to the blowing operation. Fit all air guns with a suitable safety shield to protect the hands and face from possible injury. These accessories are of course available for all of our air guns.



*A Silvent 007-L fitted with a plastic safety shield*



*Here, a Silvent safety gun equipped with an extension pipe is used in the production of Absolut Vodka bottles.*



# Choose among 6 different model series

Silvent has the world's widest range of safety air guns that lower the noise level by up to 50% and save considerable amounts of compressed air.

## 007 Series

For the highest level of safety, valve precision and user-friendliness. There are 7 different types of nozzles to choose from in this series.



007 Series

## 500 Series

A handy and economical alternative without sacrificing safety. There are 7 different types of nozzles to choose from in this series.



500 Series

## 2000 Series

A highly flexible series of aluminum guns for tough conditions and greater blowing forces. There are 6 different types of nozzles to choose from in this series.



2000 Series

## 750 Series

A robust gun with durable stainless steel nozzles that generate blowing forces up to seven times greater than standard guns. There are 4 different types of nozzles to choose from in this series.



750 Series

## 4000 Series

A blowing tool for extremely high blowing forces at long distances. There are 2 different types of nozzles to choose between in this series.



4000 Series

## Special

Silvent offers a number of alternative safety guns, especially adapted for special purposes.



Special

## Accessories

Silvent also has a wide assortment of air gun accessories: extensions pipes of various materials and dimensions, plastic safety shields, air shields, spiral hoses, replacement nozzles etc.



Accessories  
(plastic safety shields)



007-L

The 007 grip features a unique valve design with a two-step system that reduces both noise levels and energy consumption considerably. The first step, variable position, allows variable adjustment of the blowing force and is generally more than adequate for most types of work. This generates a noise level of only 75 dB(A) and permits energy savings of up to 50%. The gun's second step, the so called "booster position", delivers twice the blowing force for the most demanding operations. From the maximum variable position, only a slight squeeze of the trigger is needed and the booster position kicks in, instantly doubling the effect. Despite this dramatic increase in blowing force, the sound level is only half that of conventional air guns.

The grip offers two connection possibilities – both top and bottom air supply connection. From a safety and ergonomic perspective, top feed is the best alternative. Safety valves at the connections eliminate the risk of injury. Should the plug on the connection that is not being used for some reason unscrew under pressure, there is no risk involved.

### REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

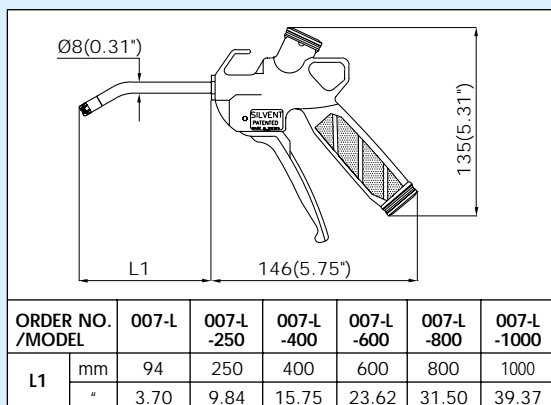
### BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle – Meets OSHA standards

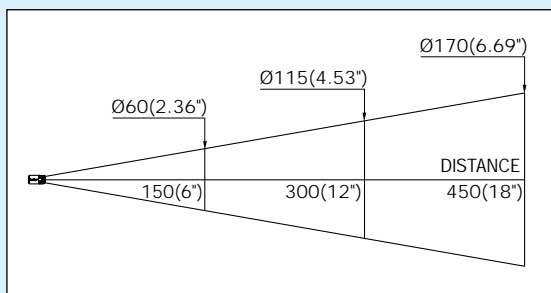
The 007 safety gun has an ergonomically designed Softgrip handle made of synthetic rubber that is highly durable and oil resistant. The material insulates well against heat and cold and the handle is easy on both the hand and wrist.

SILVENT 007 with a Laval nozzle is the most commonly chosen alternative. With a stainless steel Laval nozzle mounted onto the 007 grip, you can handle 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. The surrounding fins prevent direct contact between skin and the outlet holes. Patented. Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

### DIMENSIONS



### AIR CONE PATTERN



### PRODUCT INFORMATION

ORDER NO./MODEL		007-L	007-Z	007-S
Nozzle		1001	5001	0071
Replaces open pipe	mm	4	4	4
	"	1/8	1/8	1/8
Air consumption variable position	Nm³/h	11	11	11
	scfm	6.5	6.5	6.5
Air consumption booster position	Nm³/h	22	17	16
	scfm	12.9	10.0	9.4
Sound level variable	dB(A)	75	75	75
Sound level booster	dB(A)	82	79	81
Blowing force variable position	N	1.6	1.6	1.6
	oz	5.6	5.6	5.6
Blowing force booster position	N	3.5	3.0	2.8
	oz	12.4	10.6	9.9
Max. temp.	°C	-20/+70	-20/+70	-20/+70
	°F	-4/+158	-4/+158	-4/+158
Weight	g	190	190	190
	lbs	0.42	0.42	0.42
Connection	BSP	1/4"	1/4"	1/4"
	NPT	1/4"-18	1/4"-18	1/4"-18
Nozzle material		Stainless steel	Zinc	Stainless steel

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

## AN ECONOMICAL ALTERNATIVE FOR LESS DEMANDING ENVIRONMENTS



SILVENT 007-Z features a zinc slot nozzle designed with divergent slots that utilizes the surrounding air very efficiently. This nozzle allows powerful, quiet and efficient cleaning. Suitable for general-purpose blowing in environments where the nozzle is exposed to minimal mechanical wear. Patented.

**Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.**

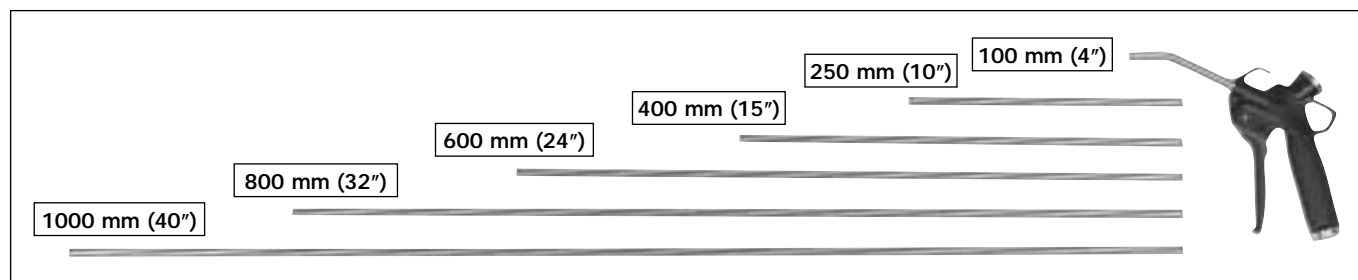
## FOR THOSE REQUIRING EXTRA DURABILITY



SILVENT 007-S has a stainless steel nozzle. A stainless steel nozzle is most suitable in really tough conditions. The nozzle's solid stainless steel tip has been designed to withstand hard mechanical wear. Patented.

**Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.**

## Extension pipes in 6 lengths.



The safety guns of the 007 series are available with six different extension pipe lengths. The pipes are made of zinc-plated steel. Other materials and lengths can be supplied upon request. When ordering air guns with longer extension pipes than the standard 100 mm, specify the length you want last in the order number – pistol grip-nozzle-extension pipe length, e.g. 007-L-1000.

## ACCESSORIES



**PLASTIC SAFETY SHIELDS** Effectively protects the eyes and body from spattering and flying chips when, for example, cleaning out blind holes.

Material: Polycarbonate

**Meets OSHA's regulations for safe blowing.**



**AIR SHIELDS** Prevents spattering and chips from striking the body and eyes. Especially suitable in confined spaces.

Material: Aluminum

**Meets OSHA's regulations for safe blowing.**



**SPIRAL HOSES** Silvent offers a large selection of self-coiling spiral hoses. These hoses are available in 3 different qualities and have been pressure drop tested for optimal compatibility with Silvent's safety guns.

Order number: 590

Supplied pre-mounted at the factory. Specify with an additional designation at the end of the order no: e.g. 007-L-AS1.

Further information in tab: Accessories.



## SAFETY GUN WITH A MICRONOZZLE



007-MJ4

007-MJ5

007-MJ6

SILVENT 007-MJ with Micronozzle offers high precision and low energy consumption. By combining the 007 grip's valve construction and a stainless steel micronozzle you can precisely 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 guns without a nozzle, a Silvent micronozzle permits you to reduce compressed air consumption by up to 75% and at the same time keep the noise level under 76 dB(A). Patented. Meets noise limitation requirements of the EU Machine Directive.

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 2 - 3 mm  
5/64" - 1/8"

## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 40%  
Safety nozzle – Meets OSHA standards

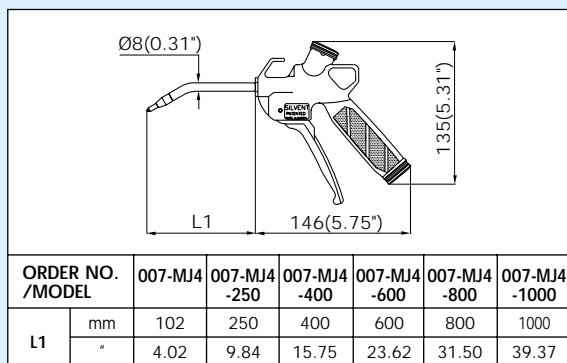


Hasselblad's world famous camera housings are blown clean with high precision and a minimum of compressed air. This is possible thanks to the unique valve design of the 007 grip in combination with a small Micronozzle.

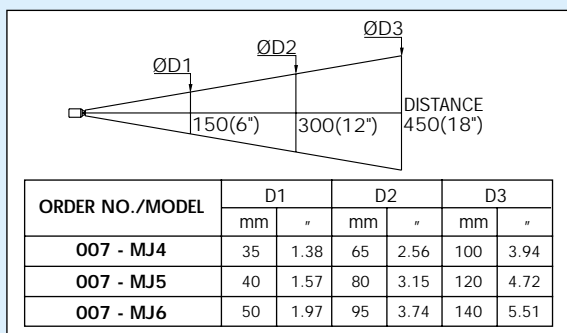
## ACCESSORIES

- Safety shield, see 007-L safety gun
- Air shield, see 007-L safety gun
- Self-coiling spiral hose, see tab: Accessories
- Extension pipe lengths, see 007-L safety gun

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		007-MJ4	007-MJ5	007-MJ6
Nozzle		MJ4	MJ5	MJ6
Replaces open pipe	mm	2	2.5	3
	"	5/64	3/32	1/8
Air consumption variable position	Nm³/h	4	8	10
	scfm	2.4	4.8	6.0
Air consumption booster position	Nm³/h	4	10	14
	scfm	2.4	5.9	8.2
Sound level variable	dB(A)	76	77	79
Sound level booster	dB(A)	76	79	82
Blowing force variable position	N	0.9	1.4	1.9
	oz	3.2	4.9	6.7
Blowing force booster position	N	0.9	1.8	2.5
	oz	3.2	6.3	8.8
Max. temp.	°C	-20/+70	-20/+70	-20/+70
	°F	-4/+158	-4/+158	-4/+158
Weight	g	190	190	190
	lbs	0.42	0.42	0.42
Connection	BSP	1/4"	1/4"	1/4"
	NPT	1/4"-18	1/4"-18	1/4"-18
Nozzle material		Stainless steel		

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

# SAFETY GUN WITH VARIABLE AND BOOSTER POSITIONS

008



## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

## BENEFITS

- Noise reduction – Halves the noise level
- Air consumption reduction – 20 - 50%
- Safety nozzle – Meets OSHA standards

SILVENT 008 generates a universal and powerful air cone that makes this safety gun especially effective for sweeping larger surfaces. The nozzle's wing design creates an ejector effect and thus enhanced blowing force. In spite of the high blowing force, both the noise level and air consumption are low – a combination that was long thought impossible. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

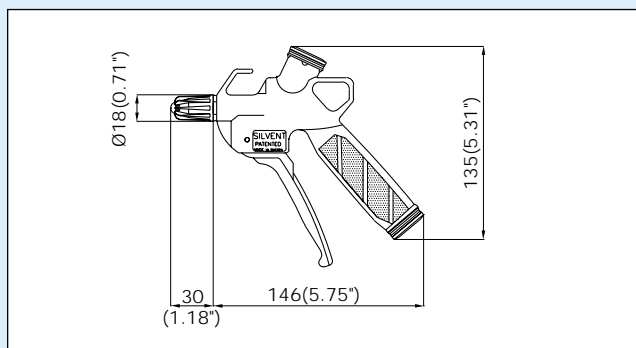
## ACCESSORIES

- Safety shield, see 007-L safety gun (Order no: 591)
- Self-coiling spiral hose, see tab: Accessories

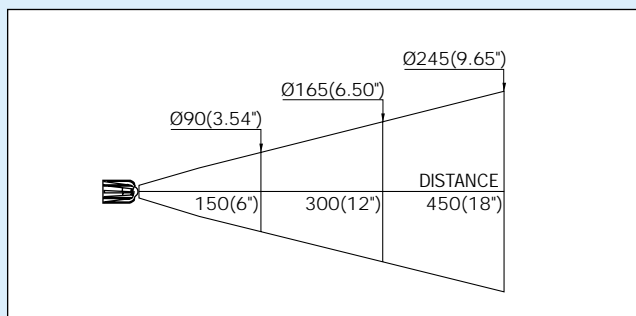


Use the 008 for quick and efficient blow-off of larger surfaces. The wing design of the nozzle creates an ejector effect and thereby a powerful blowing force in combination with a low sound level.

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		008
Nozzle		2120
Replaces open pipe	mm	4
	"	1/8
Air consumption variable position	Nm <sup>3</sup> /h	11
	scfm	6.5
Air consumption booster position	Nm <sup>3</sup> /h	17
	scfm	10.0
Sound level variable	dB(A)	75
Sound level booster	dB(A)	80
Blowing force variable position	N	1.6
	oz	5.6
Blowing force booster position	N	3.0
	oz	10.6
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	180
	lbs	0.40
Connection	BSP	1/4"
	NPT	1/4"-18
Nozzle material		Zinc

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

## SAFETY GUN WITH A FLAT NOZZLE

0971



SILVENT 0971 is fitted with a small flat nozzle of stainless steel, which provides very special characteristics and is perfect when you want to blow with a somewhat narrower air stream. This nozzle is capable of withstanding excessive mechanical wear and is suitable for use in most environments. The 0971 safety gun offers the same advantages as the other 007 guns – including variable and booster positions, top and bottom connection with safety valves and a Softgrip handle. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 40%  
Safety nozzle – Meets OSHA standards

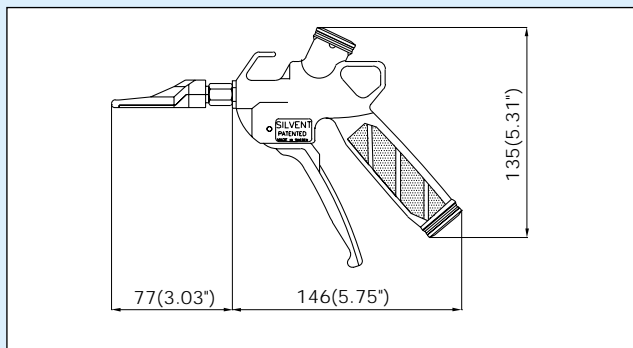
## ACCESSORIES

- Self-coiling spiral hose, see tab: Accessories

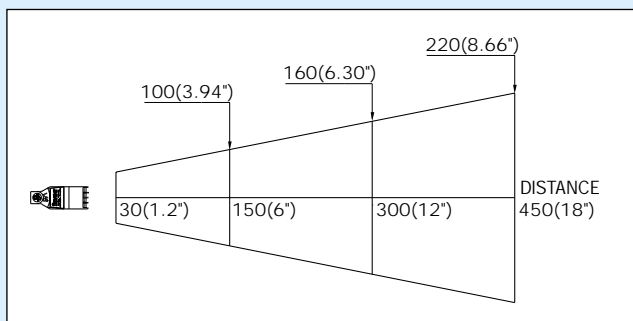


SILVENT offers a large selection of self-coiling spiral hoses. These hoses are available in 3 different qualities and have been pressure drop tested for optimal compatibility with Silvent's safety guns.

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		0971
Nozzle		971
Replaces open pipe	mm	4
	"	1/8
Air consumption variable position	Nm <sup>3</sup> /h	11
	scfm	6.5
Air consumption booster position	Nm <sup>3</sup> /h	19
	scfm	11.2
Sound level variable	dB(A)	75
Sound level booster	dB(A)	81
Blowing force variable position	N	1.6
	oz	5.6
Blowing force booster position	N	3.3
	oz	11.6
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	220
	lbs	0.48
Connection	BSP	1/4"
	NPT	1/4"-18
Nozzle material		Stainless steel

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

# SAFETY GUN WITH A PROTECTIVE PEEK NOZZLE

007  
SERIES



007-P

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 40%  
Safety nozzle – Meets OSHA standards

SILVENT 007-P with its PEEK nozzle 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. Patented.

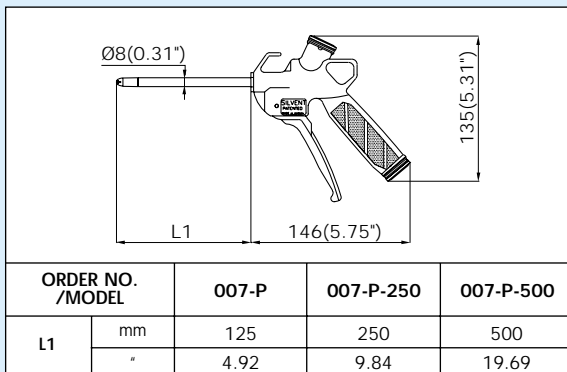
Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.



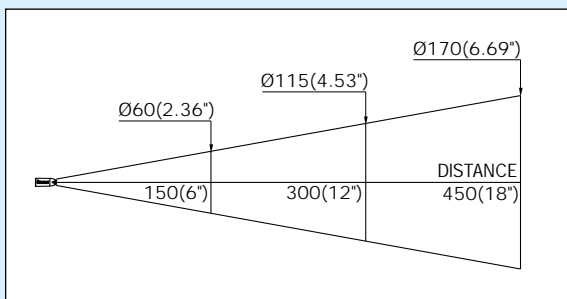
## ACCESSORIES

- Safety shield, see 007-L safety gun
- Air shield, see 007-L safety gun
- Self-coiling spiral hose, see tab: Accessories

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		007-P
Nozzle		8001
Replaces open pipe	mm	4
	"	1/8
Air consumption variable position	Nm³/h	11
	scfm	6.5
Air consumption booster position	Nm³/h	14
	scfm	8.2
Sound level variable	dB(A)	79
Sound level booster	dB(A)	75
Blowing force variable position	N	1.8
	oz	6.4
Blowing force booster position	N	2.4
	oz	8.4
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	165
	lbs	0.36
Connection	BSP	1/4"
	NPT	1/4"-18
Nozzle material		PEEK

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi) 1.0 MPa (143 psi)

## SAFETY GUN WITH A SHORT TRIGGER



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

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

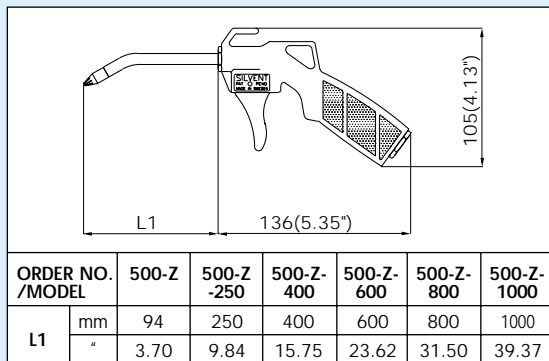
## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle – Meets OSHA standards

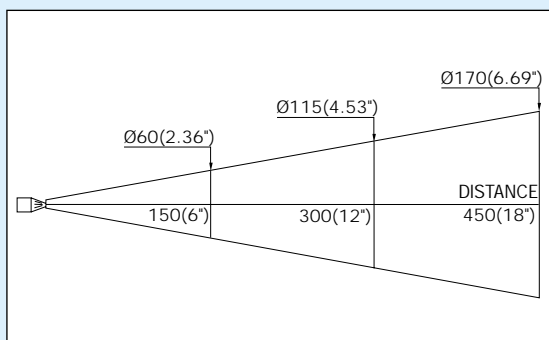
requires a pressure of only 7 N (24.7 oz), which means that the gun can be used frequently without the risk of taxing muscles. The average finger strength of men is 96 N (339 oz) and of women, 81 N (286 oz). When less than 10% of the maximum strength of a finger is used, no injury arises due to muscle strain. The gun features bottom connection and three possibilities for hanging. The knurled surface of the gun handle provides a comfortable and firm grip. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

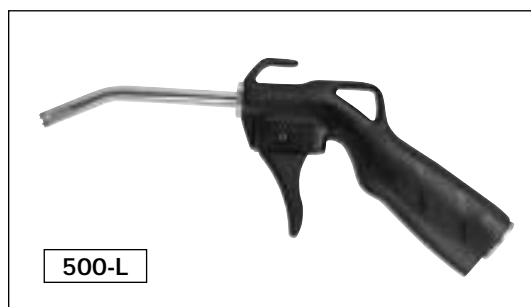
ORDER NO./MODEL		500-Z	500-L	500-S
Nozzle		5001	1001	0071
Replaces open pipe	mm	4	4	4
	"	1/8	1/8	1/8
Air consumption	Nm <sup>3</sup> /h	19	25	19
	scfm	11.2	14.7	11.2
Sound level	dB(A)	79	83	81
Blowing force	N	3.2	4.2	3.2
	oz	11.3	14.2	11.3
Max. temp.	°C	-20/+70	-20/+70	-20/+70
	°F	-4/+158	-4/+158	-4/+158
Weight	g	145	145	145
	lbs	0.32	0.32	0.32
Connection	BSP	1/4"	1/4"	1/4"
	NPT	1/4"-18	1/4"-18	1/4"-18
Nozzle material		Zinc	Stainless steel	Stainless steel

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)



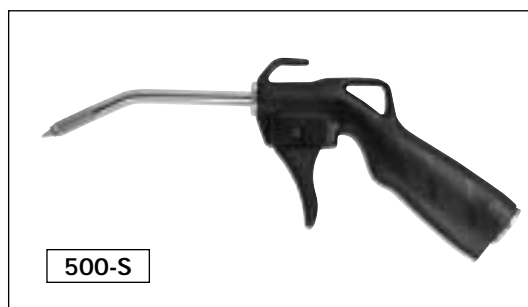
## CONCENTRATED AIR STREAM



SILVENT 500-L has 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. The surrounding fins prevent direct contact between skin and the outlet holes. Patented.

**Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.**

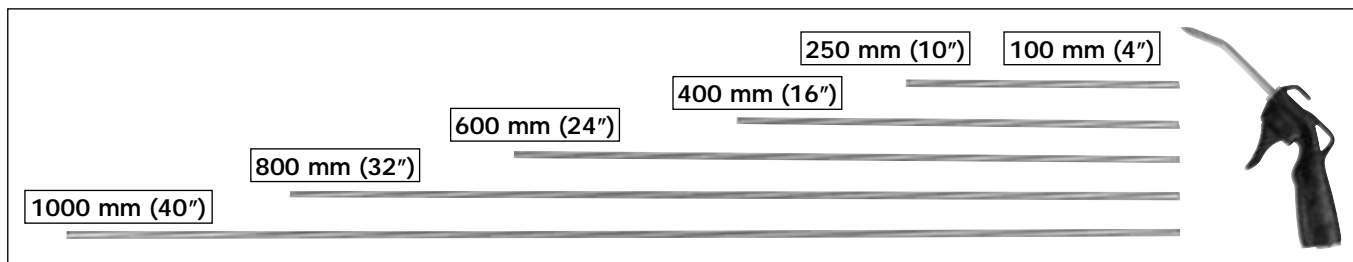
## FOR EXTRA DURABILITY



SILVENT 500-S features a stainless steel nozzle. The stainless steel nozzle is most suitable in really tough conditions. The nozzle's solid stainless steel tip has been designed to withstand hard mechanical wear. Patented.

**Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.**

## Extension pipes in 6 lengths.



The 500 series is available with six different extension pipe lengths. The pipes are made of zinc-plated steel. Other materials and lengths can be supplied upon request. When ordering air guns with longer extension pipes than the standard 100 mm, specify the length you want last in the order number – pistol grip-nozzle-extension pipe length, e.g. 500-Z-600.

## ACCESSORIES



**PLASTIC SAFETY SHIELDS** Effectively protects the eyes and body from spattering and flying chips when, for example, cleaning out blind holes. Material: Polycarbonate  
**Meets OSHA's regulations for safe blowing.**



**AIR SHIELDS** Prevents spattering and chips from striking the body and eyes. Especially suitable in confined spaces.  
Material: Aluminum  
**Meets OSHA's regulations for safe blowing.**



**SPIRAL HOSES** Silvent offers a large selection of self-coiling spiral hoses. These hoses are available in 3 different qualities and have been pressure drop tested for optimal compatibility with Silvent's safety guns.

Order number: 590

Supplied pre-mounted at the factory. Specify with an additional designation at the end of the order no: e.g. 500-Z-AS1.

Further information in tab: Accessories.

## SAFETY GUN WITH A MICRONOZZLE



500-MJ4

500-MJ5

500-MJ6

Safety gun 500-M has a micronozzle. By combining the 500 grip and a stainless steel micronozzle you can save substantial amounts of compressed air in many applications. In most cases more blowing force and energy are used than necessary. The blowing force generated by a micronozzle is often more than adequate, even for general purpose blowing. A central hole in combination with surrounding slots makes the nozzle extremely efficient and quiet. Compared with conventional air guns without a nozzle, a Silvent micronozzle permits you to reduce compressed air consumption by up to 75% and at the same time keep the noise level under 76 dB(A). Patented.

Meets noise limitation requirements of the EU Machine Directive.

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 2 - 3 mm  
5/64" - 1/8"

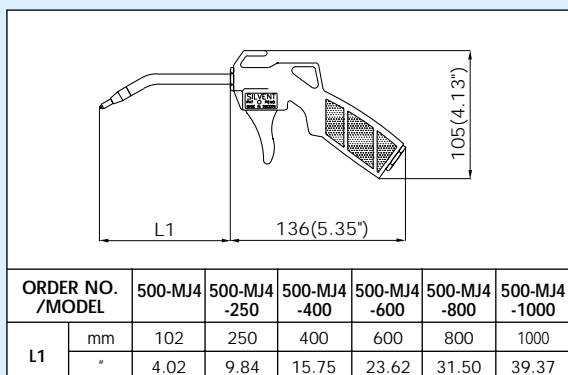
## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 22%

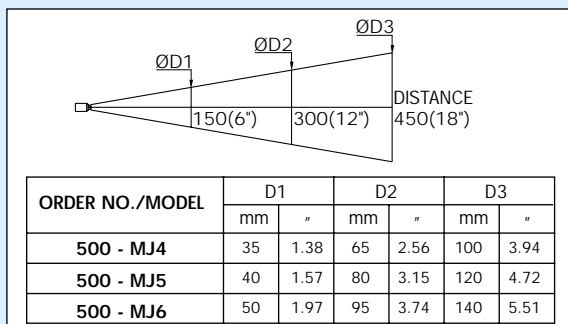
## ACCESSORIES

- Safety shield, see 500-Z safety gun
- Air shield, see 500-Z safety gun
- Self-coiling spiral hose, see tab: Accessories
- Extension pipe lengths, see 500-Z safety gun

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		500-MJ4	500-MJ5	500-MJ6
Nozzle		MJ4	MJ5	MJ6
Replaces open pipe	mm	2	2.5	3
	"	5/64	3/32	1/8
Air consumption	Nm³/h	4	10	14
	scfm	2.4	5.9	8.2
Sound level	dB(A)	76	79	82
Blowing force	N	0.9	1.8	2.5
	oz	3.2	6.3	8.8
Max. temp.	°C	-20/+70	-20/+70	-20/+70
	°F	-4/+158	-4/+158	-4/+158
Weight	g	145	145	145
	lbs	0.32	0.32	0.32
Connection	BSP	1/4"	1/4"	1/4"
	NPT	1/4"-18	1/4"-18	1/4"-18
Nozzle material		Stainless steel		

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

# SAFETY GUN FOR ALL-PURPOSE BLOWING

500  
SERIES



501

SILVENT 501 generates a universal and powerful air cone, making this safety gun especially effective for sweeping larger surfaces. The nozzle's wing design creates an ejector effect and thus enhanced blowing force. This globally patented nozzle generates a low noise level despite its high blowing force and low air consumption. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4mm  
1/8"

## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle – Meets OSHA standards

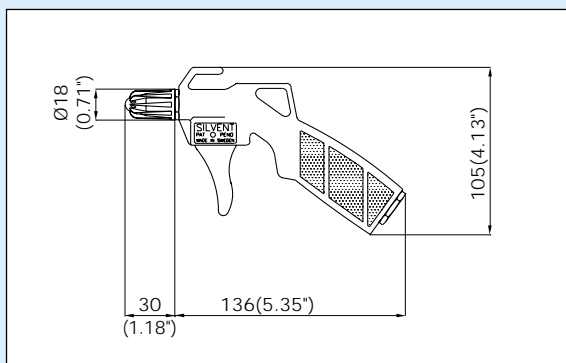
## ACCESSORIES

- Safety shield, see 500-Z safety gun (Order no: 591)
- Self-coiling spiral hose, see tab: Accessories

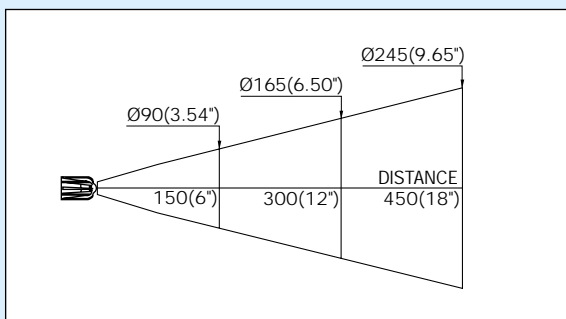


Silvent offers a large selection of self-coiling spiral hoses. These hoses are available in 3 different qualities and have been pressure drop tested for optimal compatibility with Silvent's safety guns.

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		501
Nozzle		2120
Replaces open pipe	mm	4
	"	1/8
Air consumption	Nm <sup>3</sup> /h	19
	scfm	11.2
Sound level	dB(A)	80
	N	3.5
Blowing force	oz	12.4
	°C	-20/+70
Max. temp.	°F	-4/+158
	g	135
Weight	lbs	0.30
	BSP	1/4"
Connection	NPT	1/4"-18
Nozzle material		Zinc

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

## SAFETY GUN WITH A FLAT NOZZLE



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

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 4 - 6 mm  
1/8" - 1/4"

## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle – Meets OSHA standards

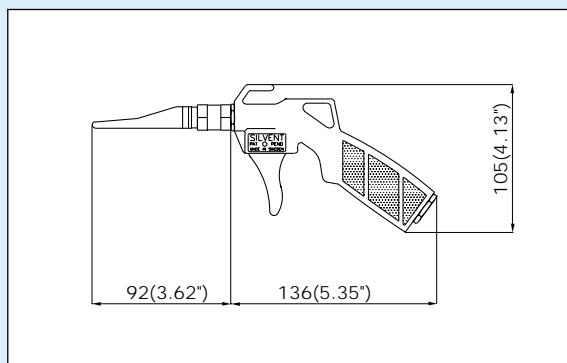
## ACCESSORIES

- Self-coiling spiral hose, see tab: Accessories

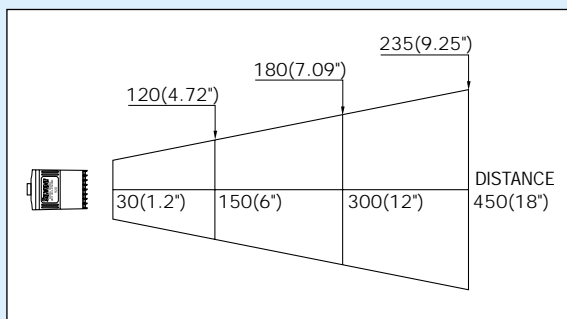


Silvent offers a large selection of self-coiling spiral hoses. These hoses are available in 3 different qualities and have been pressure drop tested for optimal compatibility with Silvent's safety guns.

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

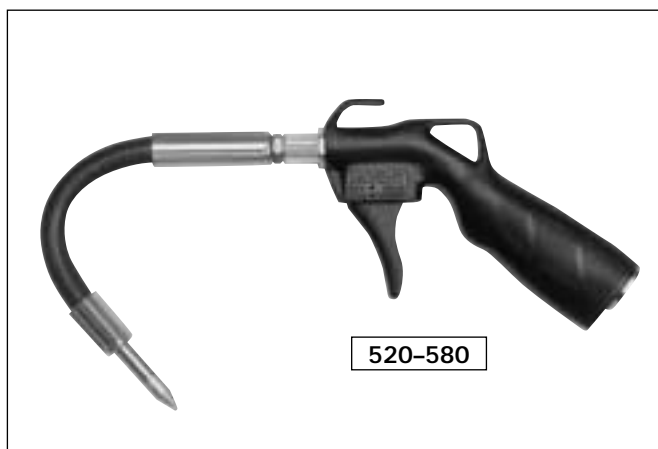
ORDER NO./MODEL		5920
Nozzle		920
Replaces open pipe	mm	6
	"	1/4
Air consumption	Nm <sup>3</sup> /h	30
	scfm	17.7
Sound level	dB(A)	81
Blowing force	N	5.5
	oz	19.4
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	265
	lbs	0.58
Connection	BSP	1/4"
	NPT	1/4"-18
Nozzle material		Zinc

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

# SAFETY GUN WITH AN ADJUSTABLE HOSE

500  
SERIES



## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 40%  
Safety nozzle – Meets OSHA standards

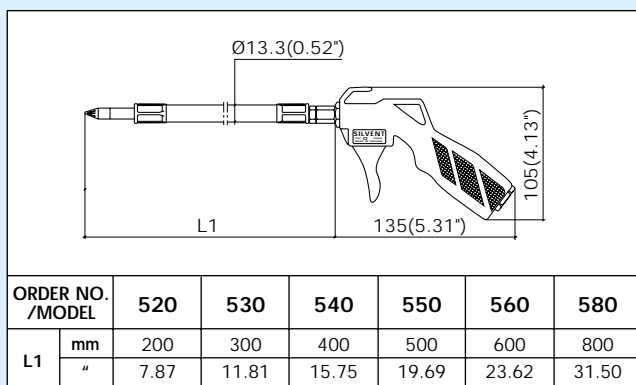
SILVENT Flexgun 520-580 is fitted with a bendable hose that can be adjusted to any position. The hose will not wander, even when blowing at high pressures. Flexgun is outstanding for blowing deep inside machines and motors or wherever it is difficult to reach with conventional air guns. This gun is highly recommended for any

blowing applications that is 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. Patented.

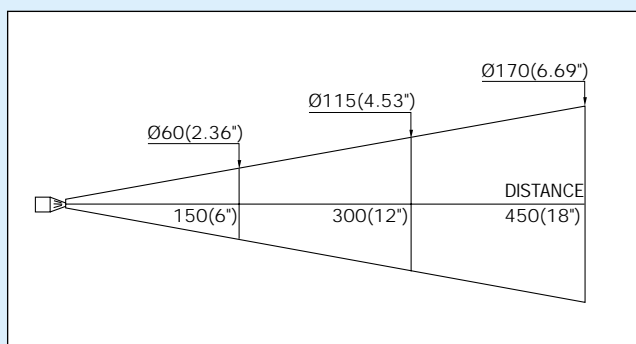
Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.



## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		520-580
Nozzle		5001
Replaces open pipe	mm	4
	"	1/8
Air consumption	Nm <sup>3</sup> /h	16
	scfm	9.4
Sound level	dB(A)	79
Blowing force	N	2.9
	oz	10.2
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	195 - 345
	lbs	0.43 - 0.76
Connection	BSP	1/4"
	NPT	1/4" - 18
Nozzle material		Zinc

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)



2055-A



SILVENT 2055-A is a safety gun fitted with an aerodynamic aluminum nozzle that offers a blowing force that is equivalent to 5 conventional air guns. Despite this exceptional blowing force, the sound level it generates is comparable to that of an ordinary gun.

This safety gun is a part of Silvent's new 2000 series of aluminum guns – a series that is highly versatile, lightweight and user-friendly. The grip features a new, modern and practical design that can be fitted with various types of safety nozzles, extension pipes, safety accessories etc. Everything needed to make compressed air blowing as safe, quiet and energy efficient as possible. Equipped with an

### REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 8 - 10 mm  
5/16" - 3/8"

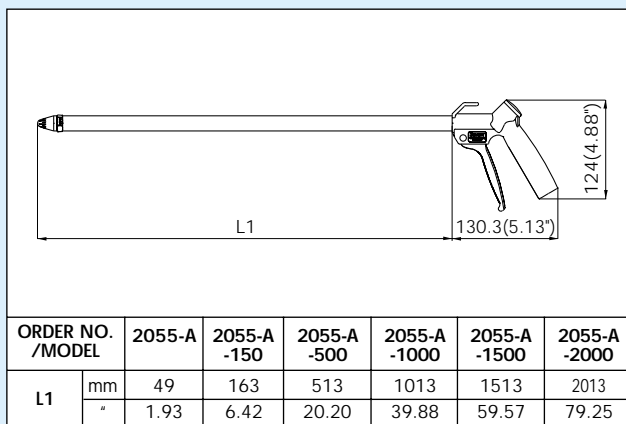
### BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle – Meets OSHA standards

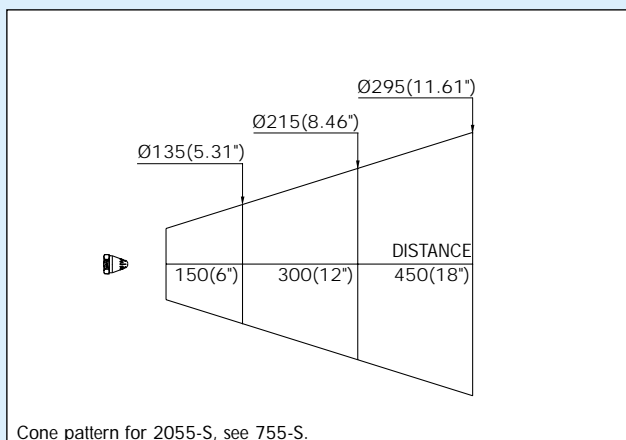
extension pipe, these guns are ideal for "hard-to-reach" applications and operations that are more demanding than those where standard guns are normally used. A properly dimensioned extension pipe protects the face from dangerous flying debris and spattering and allows the operator to maintain a more ergonomically correct working posture. For even more difficult and demanding blowing operations, the aluminum nozzle can be replaced with a robust stainless steel safety nozzle (2055-S). Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

### DIMENSIONS



### AIR CONE PATTERN



### PRODUCT INFORMATION

ORDER NO./MODEL		2055-A	2055-S
Nozzle		2005	705
Replaces open pipe	mm	8	10
	"	5/16	3/8
Air consumption	Nm <sup>3</sup> /h	92	95
	scfm	54.2	55.9
Sound level	dB(A)	93	92
Blowing force	N	13.5	15.0
	oz	47.7	52.9
Max. temp.	°C	-20/+70	-20/+70
	°F	-4/+158	-4/+158
Weight	g	240	280
	lbs	0.53	0.62
Connection	BSP	3/8"	3/8"
	NPT	3/8"-18	3/8"-18
Nozzle material		Aluminum	Stainless steel

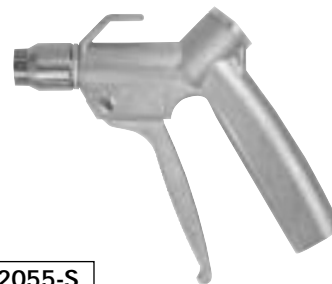
Further information in tab: Technical specifications.

Operating pressure: 0.2 MPa (28.6 psi) - 1.0 MPa (143 psi)

If your application requires extreme resistance to wear, we recommend the SILVENT 2055-S with its stainless steel nozzle. The nozzle can withstand nearly any existing application. It is 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. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

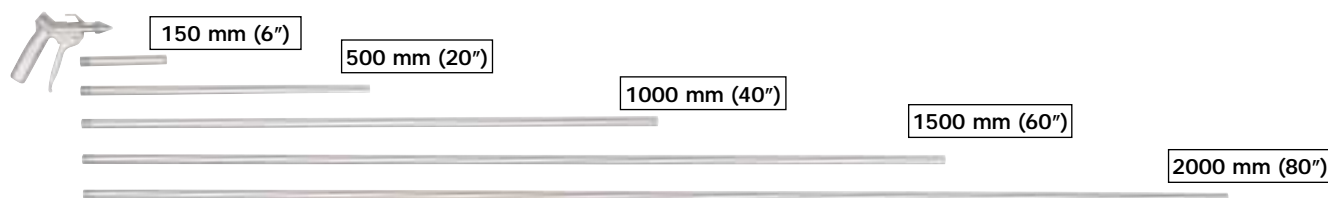
## FOR INTENSIVE WEAR



2055-S

## Extension pipes in 6 lengths

The 2000 series guns are available in six different versions – five with an extension pipe and one with the nozzle mounted directly on the pistol grip. Select a gun with an extension pipe of appropriate length and you will assure yourself of a comfortable and safe working posture. These extension pipes are made of aluminum. Other materials are available upon request. Indicate the extension pipe length in mm last in the order number. Pistol grip-extension pipe length: e.g. 2055-A-2000.



## ACCESSORIES

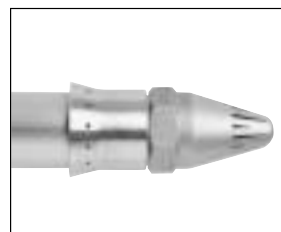


**PLASTIC SAFETY SHIELDS** Effectively protects the eyes and body from splattering and flying chips when, for example, cleaning out blind holes.

Material: Polycarbonate

Meets OSHA's regulations for safe blowing.

Order number: 592



**AIR SHIELDS** Prevents splattering and chips from striking the body and eyes. Especially suitable in confined spaces.

Material: Aluminum

Meets OSHA's regulations for safe blowing.

Supplied pre-mounted at the factory. Specify with an additional designation at the end of the order no: e.g. 2055-A-AS3.



**SPIRAL HOSES** Silvent offers a large selection of self-coiling spiral hoses. These hoses are available in 3 different qualities and have been pressure drop tested for optimal compatibility with Silvent's safety guns.

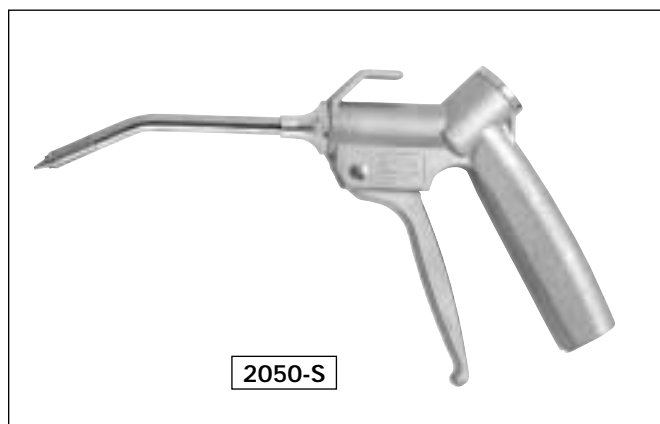
Further information in tab: Accessories.



**SG-2000 SOFTGRIP** This synthetic rubber handle may be ordered as an accessory for any gun in the 2000 series. The material is easy on the hand and insulates against both heat and cold.

Order number: SG-2000

## SAFETY GUN FOR PRECISION BLOWING



SILVENT 2050-S with its stainless steel nozzle is an extremely tough but, at the same time, handy 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 that will withstand even the toughest conditions. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

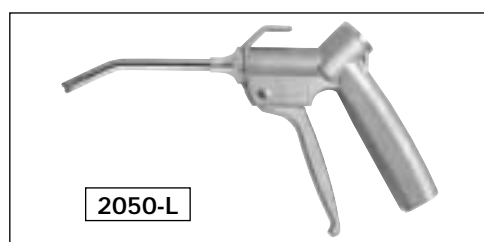
## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle – Meets OSHA standards

## WITH A LAVAL NOZZLE FOR CONCENTRATED CLEANING POWER



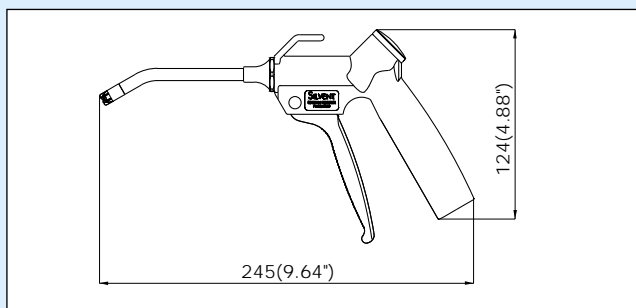
SILVENT 2050-L with a Laval nozzle is an alternative to the stainless steel nozzle described above. The Laval hole in the center of the nozzle provides excellent cleaning properties. Suitable for applications where exposure to mechanical wear is not as great as environments requiring 2050-S. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

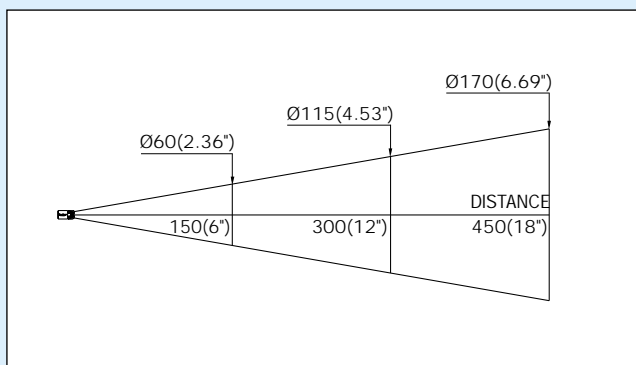
## ACCESSORIES

- Safety shield, see 007-L safety gun
- Air shield, see 007-L safety gun
- Self-coiling spiral hose, see tab: Accessories
- Extension pipe lengths, see 007-L safety gun

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		2050-S	2050-L
Nozzle		0071	1001
Replaces open pipe	mm	4	4
	"	1/8"	1/8"
Air consumption	Nm³/h	19	26
	scfm	11.2	15.3
Sound level	dB(A)	79	84
Blowing force	N	3.2	4.4
	oz	11.3	15.5
Max. temp.	°C	-20/+70	-20/+70
	°F	-4/+158	-4/+158
Weight	g	260	260
	lbs	0.57	0.57
Connection	BSP	3/8"	3/8"
	NPT	3/8"-18	3/8"-18
Nozzle material		Stainless steel	

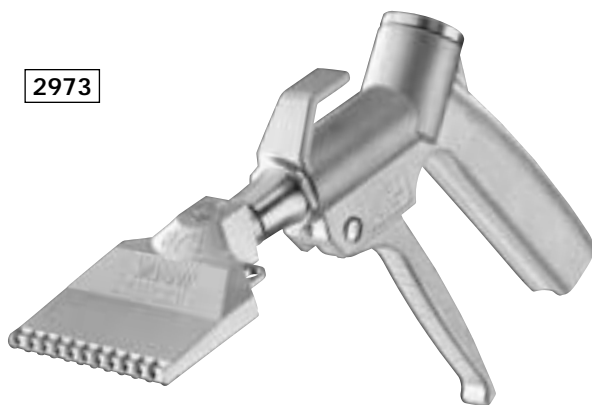
Further information in tab: Technical specifications.

Operating pressure: 0.2 MPa (28.6 psi) - 1.0 MPa (143 psi)

# SAFETY GUN WITH A FLAT NOZZLE

2000  
SERIES

2973



## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters    7 mm  
9/32"

## BENEFITS

Noise reduction                    – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle                        – Meets OSHA standards

SILVENT 2973 is 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 cone dig in and sweep the work surface clean. The gun is fitted with a powerful flat stainless steel nozzle that can cope with most applications. The blowing force is approximately three times that of an ordinary air gun. Despite its power, the sound level and energy consumption are low in relation to the work the gun performs. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

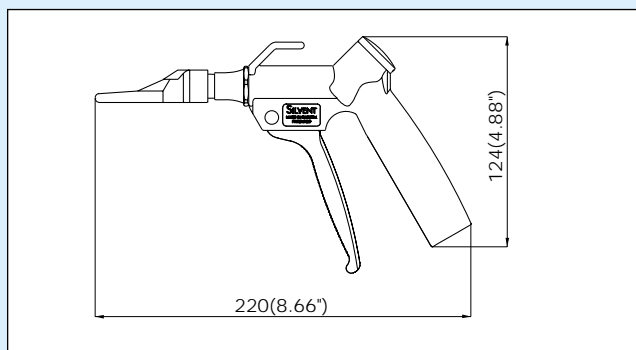


The picture shows a SILVENT 2973 efficiently cleaning a large roller at a paper mill. The broad and powerful air cone generated by the flat nozzle does the job three times faster than a conventional air gun.

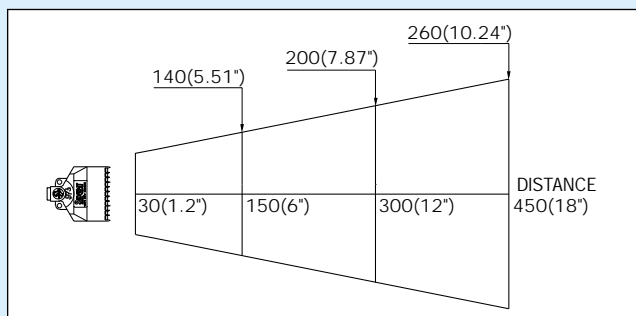
## ACCESSORIES

- Self-coiling spiral hose, see tab: Accessories

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		2973
Nozzle		973
Replaces open pipe	mm	7
	"	9/32
Air consumption	Nm³/h	58
	scfm	34.2
Sound level	dB(A)	86
Blowing force	N	9.5
	oz	33.5
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	350
	lbs	0.77
Connection	BSP	3/8"
	NPT	3/8"-18
Nozzle material		Stainless steel

Further information in tab: Technical specifications.

Operating pressure: 0.2 MPa (28.6 psi) - 1.0 MPa (143 psi)

## SAFETY GUN WITH AN ADJUSTABLE HOSE



2220-2280

SILVENT FLEXGUN 2220-2280 is a larger model of Silvent Flexgun 520-580. The grip is fitted with a larger bendable hose and a more powerful hole nozzle. The hose will not wander, even when blowing under high pressure. Used in blowing operations where it is hard to reach with a conventional air gun and in applications that may involve direct risk to the operator. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

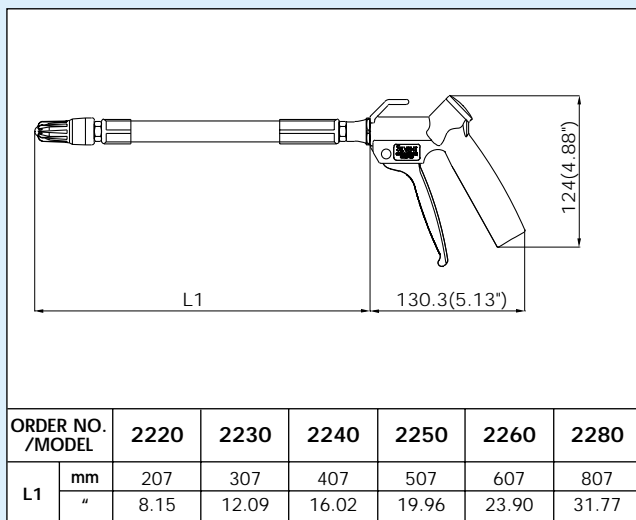
## BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 50%  
Safety nozzle – Meets OSHA standards

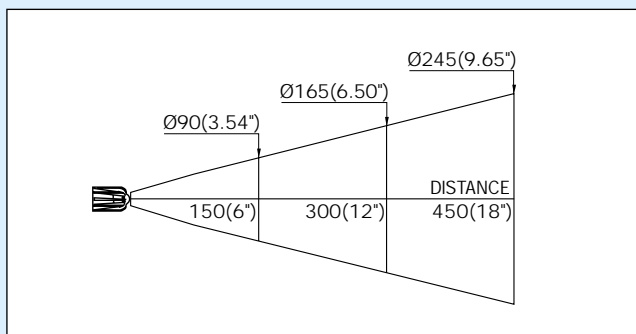
## ACCESSORIES

- Self-coiling spiral hose, see tab: Accessories

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		2220-2280
Nozzle		208
Replaces open pipe	mm	4
	"	1/8
Air consumption	Nm <sup>3</sup> /h	19
	scfm	11.2
Sound level	dB(A)	80
Blowing force	N	3.5
	oz	12.4
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	370 - 600
	lbs	0.81 - 1.32
Connection	BSP	3/8"
	NPT	3/8" - 18
Nozzle material		Zinc

Further information in tab: Technical specifications.

Operating pressure: 0.2 MPa (28.6 psi) - 1.0 MPa (143 psi)





The picture shows a SILVENT 2050-S being used for general purpose cleaning in the processing industry. The 2000 series is an extremely durable and handy line of aluminum compressed air guns. It is suitable for applications where guns are likely to be knocked about a bit and where durability is more important than technical finesse.



Here the SILVENT 2055 is used by one of the world's best-known chewing gum makers. This American company utilizes the 2055's exceptional blowing force and long extension pipe to blow clean deep inside their gum machines – a cleaning job that requires extra blowing force and a high degree of efficiency as their production continues both night and day.



751-S

753-S

755-S

757-S

Silvent's 750 series has been developed for jobs requiring high blowing power and working environments that demand a robust grip and valve construction. These guns can also be used when wearing work gloves and the grip is considerably more impact resistant than conventional guns. The guns of the 750 series are available in four different sizes and have up to seven times the blowing force of ordinary guns on the market today. In spite of the high blowing force, the sound level and energy consumption are exceptionally low. The 750 series is designed with thumb regulation to provide an ergonomically correct grip. The guns are also available with an extended trigger lever, which must be ordered separately. Among other places, these guns are commonly used at paper mills and foundries and within the rubber and food processing industries. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

### REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 12 mm  
1/8" - 1/2"

### BENEFITS

Noise reduction – Halves the noise level  
Air consumption reduction – 20 - 40%  
Safety nozzle – Meets OSHA standards

### ACCESSORIES

- Self-coiling spiral hose, see tab: Accessories

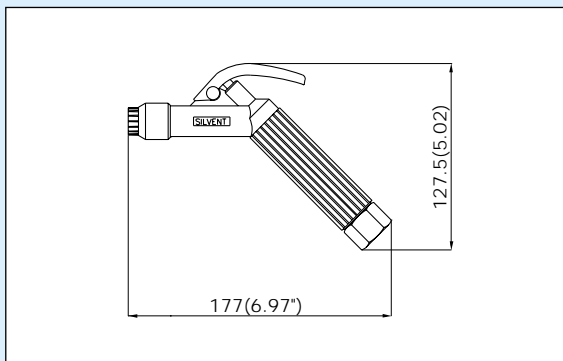


The 750 guns can also be fitted with an extended trigger.

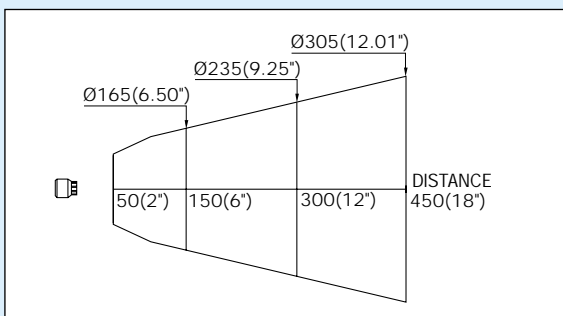
This trigger is mounted at the factory and must be specified when ordering.

Order number: 790

### DIMENSIONS



### AIR CONE PATTERN



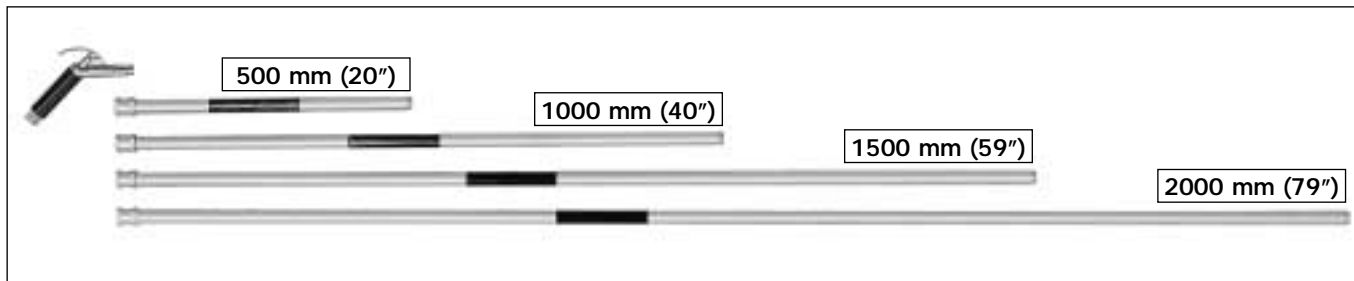
### PRODUCT INFORMATION

ORDER NO./MODEL		751-S	753-S	755-S	757-S
Nozzle		701	703	705	707C
Replaces open pipe	mm	4	7	10	12
	"	1/8	9/32	3/8	1/2
Air consumption	Nm³/h	21	57	95	110
	scfm	12.4	33.6	55.9	64.8
Sound level	dB(A)	82	89	92	93
Blowing force	N	3.2	9.6	15.0	17.0
	oz	11.3	33.9	52.9	60
Max. temp.	°C	-20/+70	-20/+70	-20/+70	-20/+70
	°F	-4/+158	-4/+158	-4/+158	-4/+158
Weight	g	480	480	480	480
	lbs	1.06	1.06	1.06	1.06
Connection	BSP	1/2"	1/2"	1/2"	1/2"
	NPT	1/2"-14	1/2"-14	1/2"-14	1/2"-14
Nozzle material		Stainless steel			

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

## Extension pipes in 4 lengths



All the guns in the 750 series are available with four different extension pipe lengths. The pipes are made of aluminum. Other materials are available upon request. When ordering air guns with longer extension pipes than standard, specify the length you want last in the order number – air gun-extension pipe length, e.g. 755-S-1500.

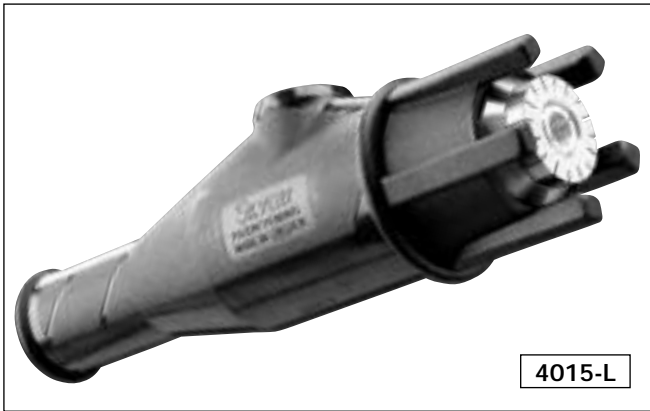


When manufacturing fabric the machines' rollers must be blown clean frequently. This picture illustrates how a 753-S gun with a 1500 mm (59") extension effectively reaches throughout the machine.



REXAM glassworks in Sweden produces the world famous "Absolut Vodka" bottle. The company uses both Silvent's air guns and fixed nozzle installations to increase compressed air safety and to save air in the plant. The picture shows how a 755-S-500 is used to dislodge molten glass from the molds in connection with stoppage.





4015-L

The introduction of Silvent 4000 heralds an entirely new concept within blowing technology. Silvent has succeeded in combining highly concentrated blowing force with easily controlled valve functionality and a low sound level. The nozzle has a patented design with a Laval outlet in its center.

Surrounding the air hole there is a ring of slots, which creates the low-turbulence flow pattern required for a low sound level. At the same time, the energy of the core stream is utilized optimally.

The valve function is "power steered" and can be easily controlled with one hand. Light pressure from the thumb or a finger is sufficient. The rubber insulation on the handle provides a sure grip and, at the same time, protects the hand against both heat and cold. The valve is controlled with a "dead man's grip" so that it instantly closes if the grip is dropped.

#### REPLACE OPEN PIPE OF DIAMETERS:



14 - 20 mm

5/8" - 3/4"

#### BENEFITS

Noise reduction – 8 - 13 dB(A)

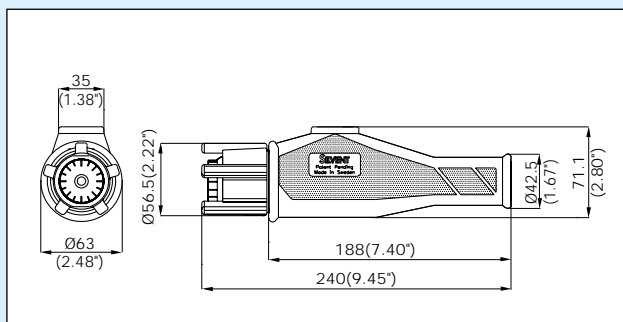
Air consumption reduction – 14 - 48 %

Safety nozzle – Meets OSHA standards

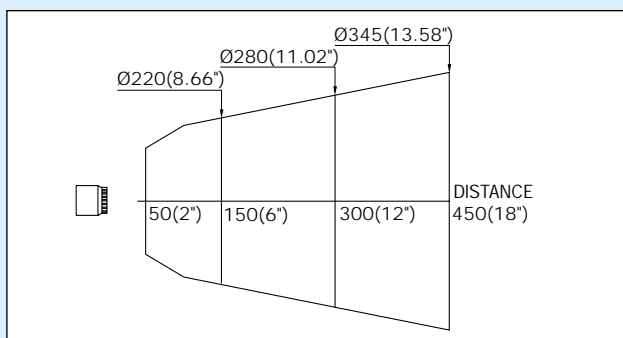
The SILVENT high-force blowing tool Air Bazooka 4015-L utilizes your compressed air optimally. The effect is created by surrounding a core of air traveling at supersonic speed with a protective film of air moving parallel to the central air jet. The central stream of air in the Silvent 4015-L is generated by a Laval nozzle. The design of this nozzle converts all of the energy stored in the compressed air into kinetic energy without allowing the air jet to expand laterally after it has passed through the nozzle. The protective sheath of air around the core stream prevents it from being slowed down by the surrounding air and allows it to be utilized at full effect. The gas flow hinders the creation of turbulence and thereby lowers the sound level. The nozzle is made of stainless steel, which makes it suitable for use in virtually any environment where extra high blowing forces are required, e.g. within the paper and manufacturing industries, steel mills and chemical plants. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

#### DIMENSIONS



#### AIR CONE PATTERN



#### PRODUCT INFORMATION

ORDER NO./MODEL		4010-S	4015-L
Nozzle		4110	4115
Replaces open pipe	mm	14	20
	"	5/8	3/4
Air consumption	Nm <sup>3</sup> /h	216	312
	scfm	127.2	183.8
Sound level	dB(A)	99	104
	N	30	54
Blowing force	oz	105.9	190.6
	°C	-20/+70	-20/+70
Max. temp.	°F	-4/+158	-4/+158
Weight	g	790	790
	lbs	1.7	1.7
Connection	BSP	3/4"	3/4"
	NPT	3/4" - 14	3/4" - 14
Nozzle material		Stainless steel	

Further information in tab: Technical specifications.

Operating pressure: 0.4 MPa (57.2 psi) - 1.0 MPa (143 psi)



1000 mm (40")

## 4000 with extension pipe

As an alternative, the 4000 is available with a 1000 mm extension pipe. Custom lengths can also be delivered upon request. Choosing the right length is important to assure maximum safety and optimal working posture.

When ordering the 4000 with a 1000 mm extension pipe use order number: 4015 -L-1000.

## ACCESSORIES



SILVENT 4110 features a stainless steel nozzle with rubber protection. The nozzle is designed with aerodynamic slots to make optimal use of the compressed air. Patented. **Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.**



SILVENT 4115 has a stainless steel Laval nozzle that provides unique blowing characteristics. The central stream of air is generated by a Laval nozzle which converts all of the energy stored in the compressed air into kinetic energy without allowing the air jet to expand laterally after it has passed through the nozzle. Patented. **Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.**



Nozzle guard 4000 Order no: NG-4000

## APPLICATIONS



This picture shows a cleaning application at a paper mill. A 4015-L-1000 is used to provide the operator with a more ergonomically correct working posture while allowing him to reach deep within the machine.



A SILVENT 4015-L with "dead man's grip" is used to safely clean a roller. Dead man's grip assures that the valve will close immediately if the operator should drop the grip.



# THE SAFETY GUN YOU CONTROL WITH YOUR THUMB

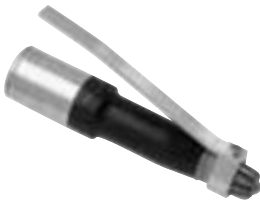


100

SILVENT 100 is a safety gun with no moving parts. The blowing force is regulated by varying thumb pressure against the side of the nozzle. The valve mechanism is encapsulated and completely sealed, protecting the gun against intrusion of dust. This design makes the gun perfect for use in dirty and dusty environments, e.g. blasting cabinets. The gun is suitable for installation hanging above the operator. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

## Extra hand lever 103



The SILVENT 100 can be fitted with an extra hand lever for long and demanding blowing times and awkward gripping positions. The hand lever is supplied separately.

Order number: 103

## REPLACES AIR GUNS WITHOUT NOZZLES

With blowing pipe diameters 3 - 4 mm  
1/8"

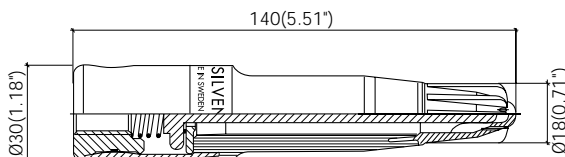
## BENEFITS

Noise reduction	Halves the noise level
Air consumption reduction	20 - 40 %
Safety nozzle	Meets OSHA standards

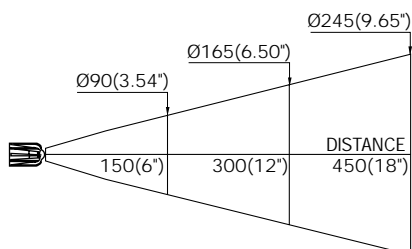


Pressing the thumb against the tip of the gun opens the valve, regulating the blowing force.

## DIMENSIONS



## AIR CONE PATTERN



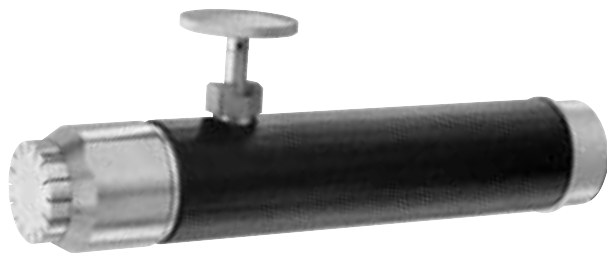
## PRODUCT INFORMATION

ORDER NO. / MODEL		100
Replaces open pipe	mm	4
	"	1/8
Air consumption	Nm <sup>3</sup> /h	19
	scfm	11.2
Sound level	dB(A)	80
Blowing force	N	3.5
	oz	12.4
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	100
	lbs	0.22
Connection	BSP	1/4"
	NPT	1/4" - 18
Nozzle material		Aluminum

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

# HIGH FORCE BLOWING TOOLS



1710

The SILVENT 1710 is a blowing tool that is fitted with a stainless steel slot nozzle and a manual valve that allows infinitely variable adjustment of the blowing force. The nozzle's aerodynamic slots utilize the compressed air optimally while limiting the sound level and air consumption to a minimum. It is used wherever high blowing forces are required, e.g. for drying machines and vehicles after washing or cleaning, blow-off of heavy chips etc. Its stainless steel nozzle generates blowing forces of up to ten times those of ordinary air guns. The blowing tool is made of aluminum with plastic insulation on the handle. Patented.

Fully meets the EU Machine Directive's noise limitation requirements and OSHA's safety regulations.

## REPLACE OPEN PIPE OF DIAMETERS:



12 - 14 mm

1/2" - 5/8"

## BENEFITS

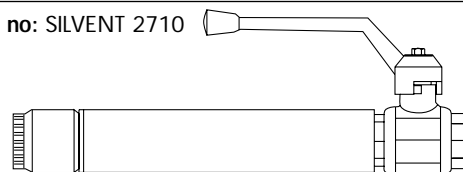
Noise reduction – 10 - 15 dB(A)

Air consumption reduction – 21 - 48%

Safety nozzle – Meets OSHA standards

## ALTERNATIVE PRODUCTS

Order no: SILVENT 2710



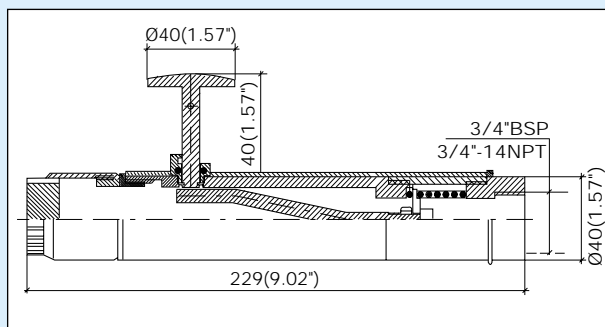
The 2710 lacks the plastic insulation on the handle and is fitted with a robust ball valve. It is suitable for higher ambient temperatures than the 1710.

Order no: SILVENT 3710

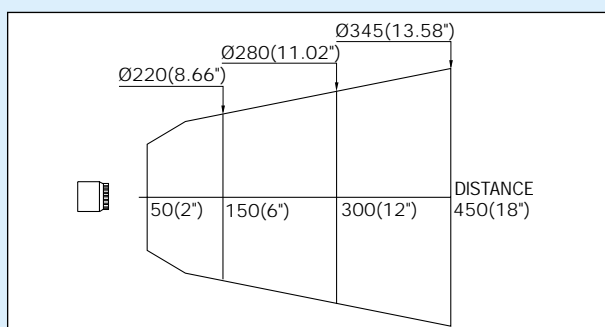


Blowing tool without valve but with insulation on handle.

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO./MODEL		1710	2710	3710
Replaces open pipe	mm	14	14	14
	"	5/8	5/8	5/8
Air consumption	Nm <sup>3</sup> /h	216	216	216
	scfm	127.2	127.2	127.2
Sound level	dB(A)	99	99	99
	N	30	30	30
Blowing force	oz	105.9	105.9	105.9
	°C	-20/+70	-20/+130	-20/+130
Max. temp.	°F	-4/+158	-4/+266	-4/+266
	g	540	1080	480
Weight	lbs	1.19	2.37	1.06
Nozzle material	Stainless steel			

Further information in tab: Technical specifications.

Max. operating pressure: 1.0 MPa (143 psi)

# BG 007



**REPLACES CONVENTIONAL AIR GUNS FOR  
CLEAN-OUT OF BLIND HOLES**

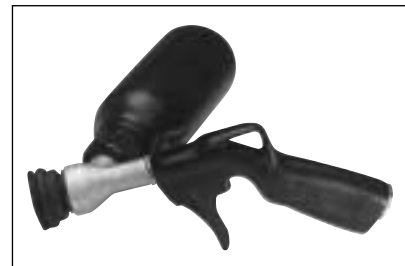
## BENEFITS

Noise reduction	–	Halves the noise level
Air savings	–	75 - 80 %
Safety	–	No flying chips

SILVENT's hole-blower BG 007 replaces conventional air guns when cleaning out blind holes. Generally speaking, clean-out of blind holes generates extremely high and dangerous noise levels. BG 007 eliminates hazardous noise while, at the same time, collecting flying chips and debris directly in a sealed container. This closed system ensures a cleaner, quieter, and safer working environment.

BG 007 is 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°. The unit permits both top and bottom air supply connection.

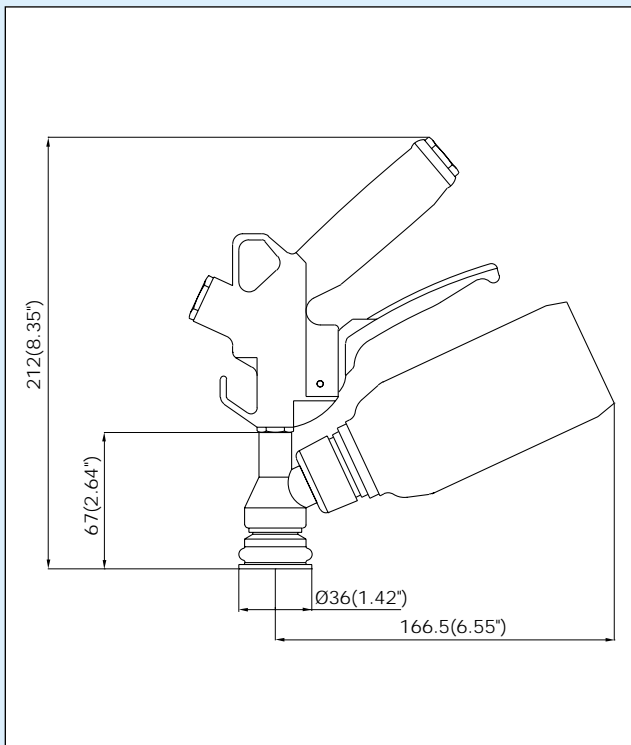
## BG 500 HOLE-BLOWER



The hole-blower is also available with a 500 grip. When using the 500 grip, the collection vessel can not be positioned parallel to the grip while blowing.

Order no. BG 500

## DIMENSIONS



## PRODUCT INFORMATION

ORDER NO./MODEL		BG 007
Air consumption	Nm <sup>3</sup> /h	4.4
	scfm	2.6
Noise level (hole blowing)	dB(A)	72-82
Noise level (free blowing)	dB(A)	77
Max. temp.	°C	-20/+70
	°F	-4/+158
Weight	g	305
	lbs	0.69
Connection	BSP	1/4"
	NPT	1/4"-18
Material	Aluminum, POM, NBR, HDPE, PVC, Stainless steel	

Additional information under tab: Technical specifications

Maximum operating pressure: 1.0 MPa (143 psi)

# HOLE-BLOWER FOR CLEANING BLIND HOLES

The picture shows how a BG 007 cleans out M8 holes quietly and effectively. The flexibility of the collar effectively seals off the hole, allowing clean-out in a closed system and at a sound level of less than 80 dB(A). Conventional compressed air cleaning generates peak noise levels exceeding 100 dB(A) - an acoustic environment that is directly hazardous to work in on a daily basis.



## DIMENSIONING GUIDELINES

### CHIPS

BG 007 is designed to collect short chips. It is not suitable for collection of long spiral turnings.

### HOLES

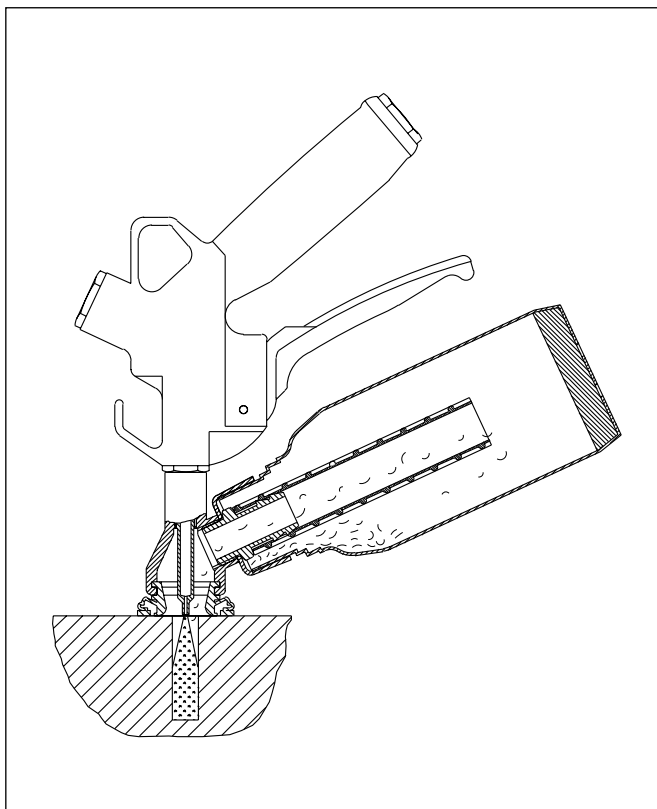
Min. hole diameter	Ø6 mm (0.25"), M6
Max. hole diameter	Ø24 mm (0.95"), M24
Max. hole depth	4 x Ø



BG 007-10 is a complete compressed air cleaning unit that is suitable for fixed installation in machines and industrial robots. The unit includes a specially designed cleaning nozzle fitted with a rubber collar.

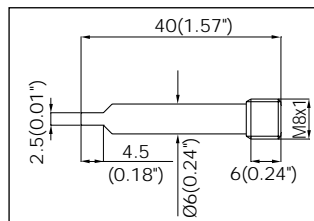
**Order no.** BG 007-10

## WORKING PRINCIPLE



Maximum evacuation hose length for connection to separate collection vessel = 1500 mm.

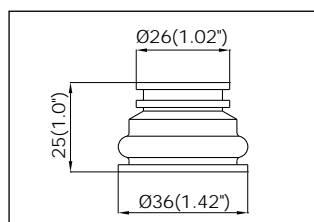
## ACCESSORIES/SPARE PARTS



### Nozzle:

Blowing nozzle: Ø6 mm, connection threading- M8x1.  
Material: Stainless steel  
Blowing force: 1.0 N (3.5 oz)

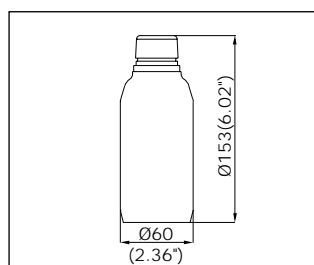
**Order no.** BG 007-20



### Collar:

Nitrile rubber. Fits BG 007, BG 500 and BG 007-10.

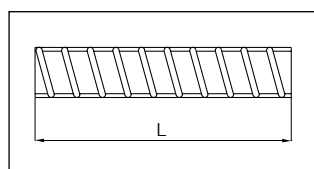
**Order no.** BG 007-30



### Complete collection vessel:

Complete vessel including filter and cap.

**Order no.** BG 007-40



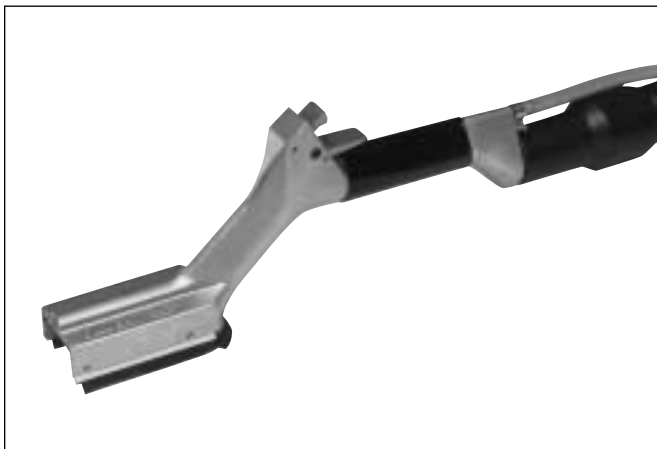
### Chip evacuation hose:

Chip hose for connection to a separate collection vessel.

Outside diam. = 21 mm (0.83")  
Inside diam. = 16 mm (0.63")

**Order no.** BG 007-50

# BLOW 'n GONE SYSTEM



**REPLACES CONVENTIONAL AIR GUNS FOR CLEANING OUT HOLES**

## BENEFITS

- Noise reduction – Halves the noise level
- Saves compressed air – 30 - 45%
- Safety – No flying chips

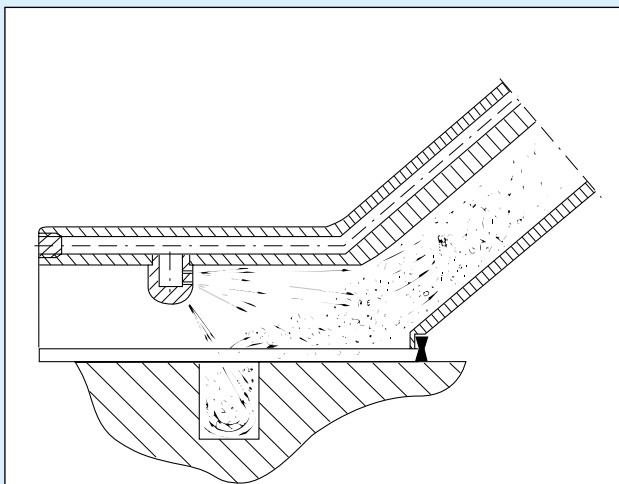
The SILVENT BLOW 'n GONE is an alternative to conventional cleaning with compressed air. Instead of simply blowing chips and similar debris aside, they are collected directly on site, providing a cleaner, quieter and safer working environment.

BLOW 'n GONE is available as a complete system with filter bag (order number: BGS-10-100). The BLOW 'n GONE handle alone, with integrated control functions, is available for connection to existing vacuum systems or industrial vacuum cleaning units (order number: BGS-10-110).



*Using BLOW 'n GONE to clean brass casings cuts the noise level in half and, at the same time, creates a safer working environment.*

## THE WORKING PRINCIPLE



The patented multi-jet nozzle provides effective clean-out of blind holes. Compressed air activates adhering chips, setting them into motion and simultaneously blowing them away for collection in a separate unit.

## PRODUCT INFORMATION

ORDER NO./ MODEL		BGS 10-100	BGS 10-110
Air consumption	Nm <sup>3</sup> /h	12	12
	scfm	7.1	7.1
Sound level	dB(A)	81	81
**Max evacuation hose length	mm	1500	1500
	"	60	60
Max temp.	C°	-20/+70	-20/+70
	F°	-4/+158	-4/+158
Weight	g	1200	700
	lbs	2.70	1.54
Connection Supply hose	mm	6	6
	"	1/4	1/4
Connection Evacuation hose	mm	38	38
	"	1.5	1.5
Material		Aluminum, Brass, Ethyl vinyl acetate, Steel, Needled felt (polyester), Nylon	

\*\* ) The length of the evacuation hose may be extended when connecting to an additional vacuum source, e.g. an industrial vacuum cleaner.

Max. operating pressure: 1.0 MPa (143 psi)

# HOLE BLOWER FOR EFFECTIVE CLEAN-OUT OF BLIND HOLES

**BLOW 'n GONE** increases the efficiency of existing vacuum systems and industrial vacuum cleaners.

Connecting **BLOW 'n GONE** to an existing vacuum system increases cleaning efficiency. In certain applications, suction alone does not provide a fully adequate cleaning method. Moist or wet chips often cling, requiring activation to allow their removal. The addition of compressed air via a **BLOW 'n GONE** handle sets adhering chips into motion, making it possible for the existing system to evacuate the troublesome material. The combination of compressed air and vacuum guarantees highly efficient cleaning.

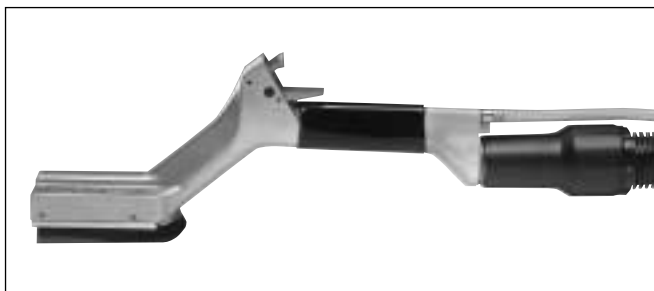


*BLOW 'n GONE connected to an industrial vacuum - an extremely efficient combination.*



*BLOW 'n GONE complete system.*

**Order no:** BGS-10-100.



*BLOW 'n GONE handle for connection to existing industrial vacuums.*

**Order no:** BGS-10-110.

## DIMENSIONING GUIDELINES

### CHIPS

**BLOW 'n GONE** is designed for the disposal of short chips. It should not be used for turnings in the form of long spirals. At its narrowest point, the diameter of the handle is  $\varnothing 20$  mm (0.79").

### HOLES

Holes to be cleaned should be between 4 mm (0.16") and 30 mm (1.18") in diameter. The ratio of the depth of the hole and its diameter should not exceed 3.5 (e.g. 15 mm (0.59") hole diam. x 3.5 = 52.5 mm (2.07") max. hole depth).

## DIMENSIONS

