

# AIR BAZOOKA WITH CONCENTRATED BLOWING FORCE



4015-LF

## REPLACES OPEN PIPE WITH A DIAMETER OF:



14 - 20 mm

5/8" - 3/4"

## BENEFITS:

Noise level reduction 8 - 13 dB(A)

Air savings 14 - 48 %

Safety nozzle Meets OSHA requirements

The introduction of the Silvent 4000 constitutes an entirely new concept within blowing technology. Silvent has succeeded in combining highly concentrated blowing force with an easily maneuverable valve construction and low sound level. The nozzle has a patented design with a Laval orifice in its center surrounded by a ring of slots, providing a low-turbulence air stream that means a low sound level and allowing maximum utilization of the energy of the core stream.

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. The rubber insulation on the handle gives a firm grip while protecting the hand against both heat and cold. The valve features a "dead man's grip" so that it closes instantly if the handle is dropped.

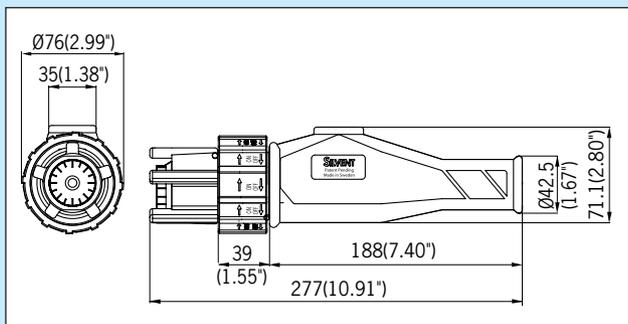
The Silvent high-force Bazooka 4000 makes optimal use of your compressed air. The effect is achieved by surrounding a core stream traveling at supersonic speed with a protective film of air moving parallel with the flow of the core jet. The core stream of the Silvent 4000 is generated by a Laval nozzle. The design of this nozzle converts all the energy stored in the compressed air into kinetic energy

without allowing the air stream to expand laterally after passing through the nozzle. The protective film of air generated by the slots prevents the core stream from being slowed down by the surrounding air, providing full effect, as well as counteracting turbulence and thereby lowering the sound level.

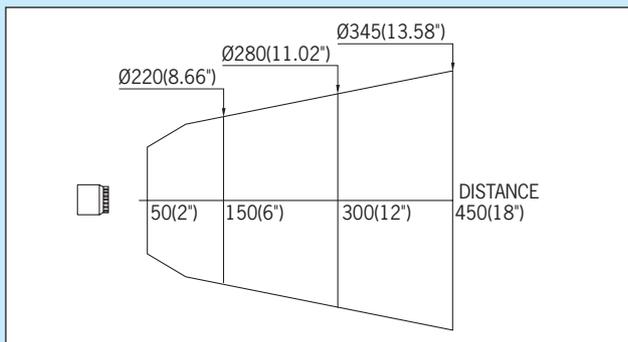
The nozzle is made of stainless steel, which makes it suitable for use in practically any environment where extra high blowing force is required, e.g. the paper and manufacturing industries, steel mills and other industrial sectors. The bazooka is available in two models, with and without adjustable blowing force. For applications that require regulation of the blowing force we recommend our model 4015-LF. The blowing force can then be easily adjusted to any strength between 5N and 54N. For applications that demand the maximum force of 54N all the time, choose 4015-L. A variation of the bazooka without the Laval central orifice, 4010-S, is available for less demanding applications. It generates a force of 30N. Patented.

**All three models comply with both the noise limitation requirements of the EU Machine Directives and OSHA safety regulations.**

## DIMENSIONS



## AIR CONE PATTERN



## PRODUCT INFORMATION

ORDER NO. / MODEL	4010-S	4015-L	4015-LF
Nozzle	4110	4115	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
	g	790	790
Weight	lbs	1.7	1.7
	Connection	BSP 3/4"	3/4"
Nozzle material	NPT	3/4" - 14	3/4" - 14
	Stainless steel		

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

# LOW SOUND LEVEL AND "DEAD MAN'S GRIP"

4000  
SERIES



4015-L is recommended for applications where full blowing force is always required. For most applications however, 4015-LF, with infinitely variable adjustment of the blowing force, provides clear environmental benefits. By being able to fully regulate the blowing force you can save large amounts of compressed air and attain a lower noise level.

## ACCESSORIES

SILVENT 4110 has a stainless steel nozzle with a rubber guard. The nozzle is designed with aerodynamic slots to utilize compressed air optimally. Patented. **Meets both the noise requirements of the EU Machine Directives and OSHA safety regulations.**



SILVENT 4115 features a stainless steel Laval nozzle that provides unique blowing characteristics. The effect is achieved by surrounding a core stream traveling at supersonic speed with a protective film of air. The core jet is generated by a Laval spray nozzle that converts all the energy stored in the compressed air into kinetic energy without lateral expansion after the air has passed through the nozzle. Patented. **Meets both the noise requirements of the EU Machine Directives and OSHA safety regulations.**



## 4000 WITH EXTENSION PIPE



### 4000 with extension pipe

Yet another alternative is fitting the 4000 series with a stock 500 mm (20") or 1000 mm (40") extension pipe. Custom lengths are available upon request. Choosing the right length is important to assure maximum safety and the best working posture possible. When ordering for example a 4000 with adjustable blowing force and a 1000 mm (40") extension pipe, the order number is: 4015-LF-1000.

## APPLICATIONS



The picture shows a cleaning application at a paper mill. A 4015-LF-1000 is used to allow the operator to work with a more ergonomic posture and still reach deep into the machine.



SILVENT4015-L with "dead man's grip" is used to safely clean a roller. Dead man's grip means that the valve will close instantly if the operator should drop the handle.