



SILVENT 500-X

- **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	Noise reduction	Energy savings
Replace open pipe Ø (mm)	4	17 dB(A)	16 Nm³/h
Blowing force (N)	2.8		
Air consumption (Nm³/h)	14		
Sound level (dB(A))	78		



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+	Noise reduction	Energy savings
Replace open pipe Ø (mm)	5	15 dB(A)	17 Nm³/h
Blowing force (N)	5.3		
Air consumption (Nm³/h)	30		
Sound level (dB(A))	84		



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	Noise reduction	Energy savings
Replace open pipe Ø (mm)	4	14 dB(A)	11 Nm³/h
Blowing force (N)	3.2		
Air consumption (Nm³/h)	19		
Sound level (dB(A))	81		

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	Noise reduction	Energy savings
Replace open pipe Ø (mm)	5	16 dB(A)	22 Nm³/h
Blowing force (N)	4.2		
Air consumption (Nm³/h)	25		
Sound level (dB(A))	83		

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	Noise reduction	Energy savings
Replace open pipe Ø (mm)	4	15 dB(A)	15 Nm³/h
Blowing force (N)	2.7		
Air consumption (Nm³/h)	15		
Sound level (dB(A))	80		

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	Noise reduction	Energy savings
Replace open pipe Ø (mm)	5	18 dB(A)	24 Nm³/h
Blowing force (N)	4.0		
Air consumption (Nm³/h)	23		
Sound level (dB(A))	81		

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

