

SMALL PNEUMATIC SUCTION PUMPS PA



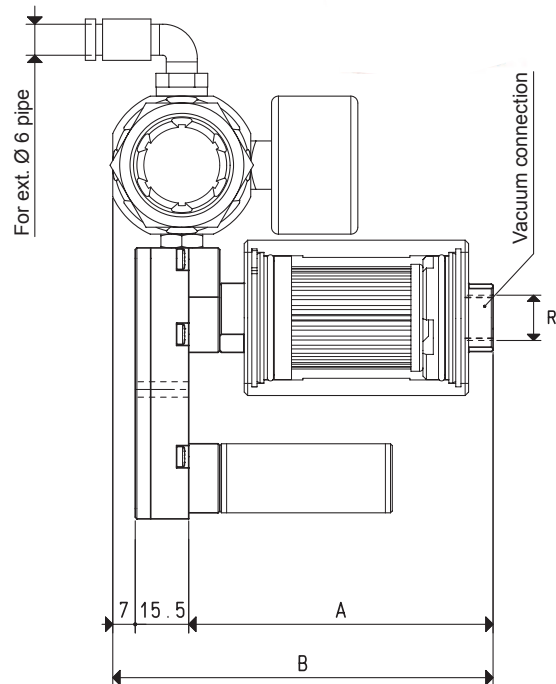
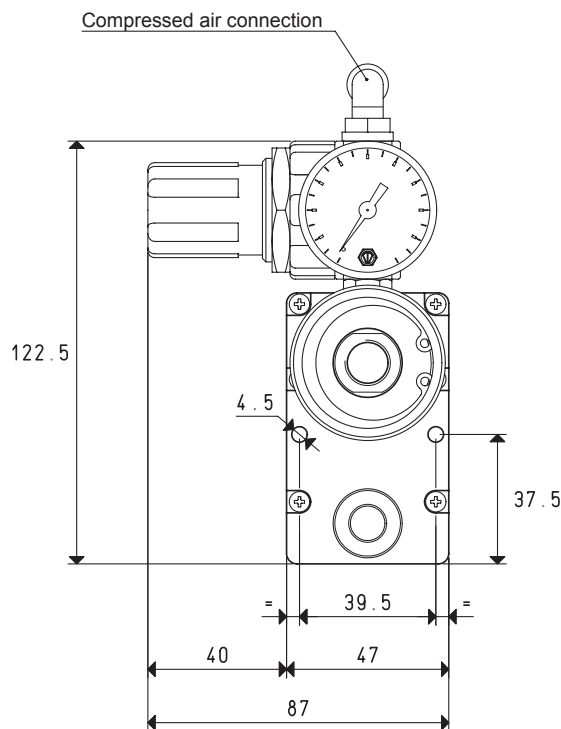
The assembly of a pressure adjuster equipped with pressure gauge and of an FCL filtre on the suction inlet connection of a vacuum generator of the M .. SSX range has allowed creating these small pneumatic suction pumps. Their main features include reduced overall dimensions compared to their technical performance.

The vacuum level and capacity can be adjusted according to the supply air pressure. These pumps are supplied by compressed air with a pressure ranging from 1 to 5 bar (g) and they can produce a maximum vacuum of 85% and a suction capacity between 2 and 18 cum/h, measured at a normal atmospheric pressure of 1013 mbar.

Being based on the Venturi principle, these pumps do not develop heat.

An SSX silencer screwed onto the pump exhaust ensures a silent operation. The filtre equipped with a microporous cartridge is located on the suction inlet connection and can keep the finest dust and impurities.

Thanks to their static operating principle, maintenance is reduced to a simple regular cleaning of the filtre.



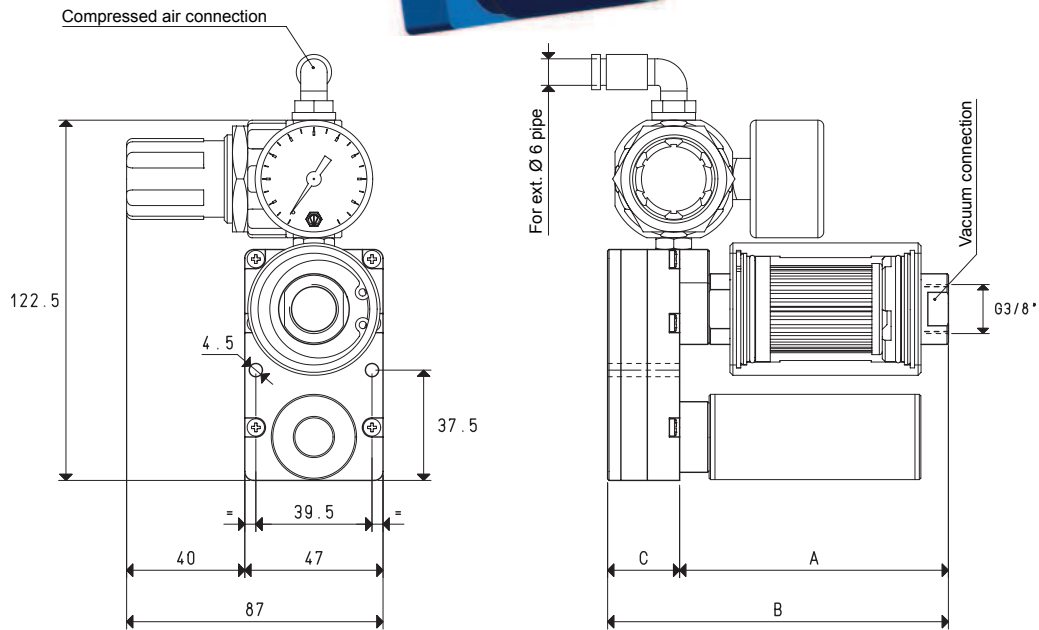
Art.		PA 3				
Supply pressure	bar (g)	1	2	3	4	5
Max. vacuum level	-KPa	20	42	62	80	85
Air consumption	NI/s	0.2	0.4	0.5	0.7	0.8
Quantity of sucked air	cum/h	2.0	2.5	3.0	3.4	3.6
A				88		
B				110.5		
R	Ø			G1/4"		
Weight	Kg			0.45		
Art.		PA 7				
Supply pressure	bar (g)	1	2	3	4	5
Max. vacuum level	-KPa	20	42	62	80	85
Air consumption	NI/s	0.4	0.6	0.8	1.2	1.4
Quantity of sucked air	cum/h	3.0	4.0	5.4	5.8	6.2
A				89		
B				111.5		
R				G3/8"		
Weight	Kg			0.46		
Working temperature	°C			-20 / +80		

Note: All the values in the table are valid at a normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS-NPT thread adapters available at page 1.117

SMALL PNEUMATIC SUCTION PUMPS PA 10, PA 14 and PA 18



Art.		PA 10				
Supply pressure	bar (g)	1	2	3	4	5
Max. vacuum level	-kPa	20	42	62	80	85
Air consumption	NI/s	0.5	0.9	1.2	1.6	1.9
Quantity of sucked air	cum/h	4.0	6.0	7.7	8.5	9.4
A				94		
B				118.5		
C				24.5		
Weight	Kg			0.59		
Art.		PA 14				
Supply pressure	bar (g)	1	2	3	4	5
Max. vacuum level	-kPa	20	42	62	80	85
Air consumption	NI/s	0.9	1.3	1.7	2.1	2.5
Quantity of sucked air	cum/h	6.0	8.0	10.2	11.5	12.6
A				94		
B				118.5		
C				24.5		
Weight	Kg			0.60		
Working temperature						
Art.		PA 18				
Supply pressure	bar (g)	1	2	3	4	5
Max. vacuum level	-kPa	20	42	62	80	85
Air consumption	NI/s	1.2	1.7	2.3	2.9	3.6
Quantity of sucked air	cum/h	8.0	11.5	14.8	16.5	18.0
A				102		
B				136.5		
C				34.5		
Weight	Kg			0.62		
Working temperature	°C			-20 / +80		

Note: All the values in the table are valid at a normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.

SMALL PNEUMATIC SUCTION PUMPS PA



A state of the art range of ejectors has allowed creating this range of pneumatic suction pumps featuring an excellent ratio between the amount of consumed air and sucked air, as well as the ability to adjust the vacuum level and capacity according to the supply air pressure.

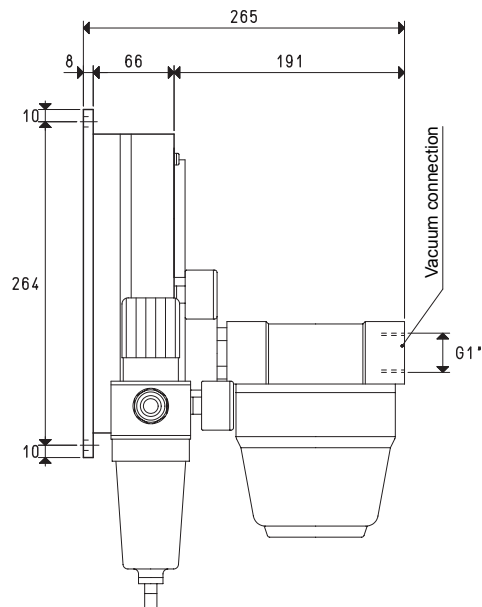
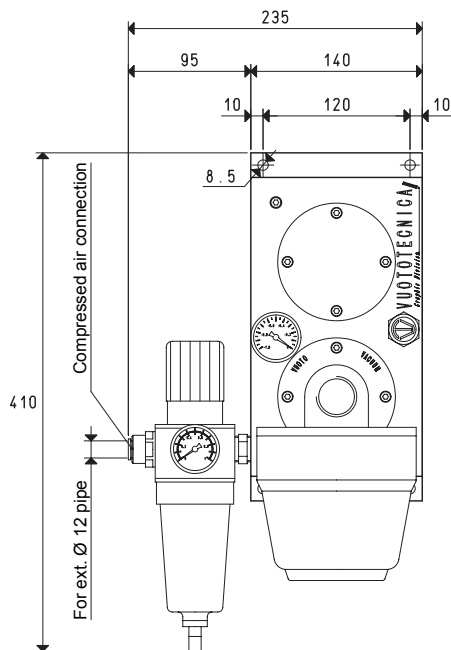
These pumps are supplied by compressed air with a pressure ranging from 1 to 6 bar (g), and they can produce a maximum vacuum of 90% and a suction capacity between 15 and 320 cum/h, measured at a normal atmospheric pressure of 1013 mbar.

When designing these pumps our attention was focused on noise. In fact, they are perfectly soundproofed and there are no moving parts subject to wear and vibrations. All this results in an extremely silent operation.

Moreover, being based on the Venturi principle, they do not develop heat. As a standard, they are equipped with a filtre/pressure reducer unit for the supply air and a filtre with microporous cartridge located on the suction inlet connection which can keep the finest dust and impurities.

The excellent compressed air and sucked filtration allows blowing air free from oil vapours, water condensation and impurities in the work environment, causing no pollution.

The use of light alloys for making these pumps has allowed a considerable reduction of their weight thus allowing them to be directly installed onto the machine. Thanks to their static operating principle, maintenance is reduced to a simple regular cleaning of the filters.



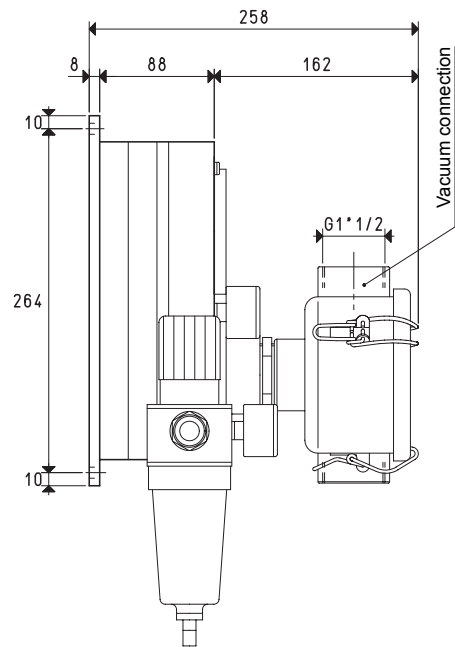
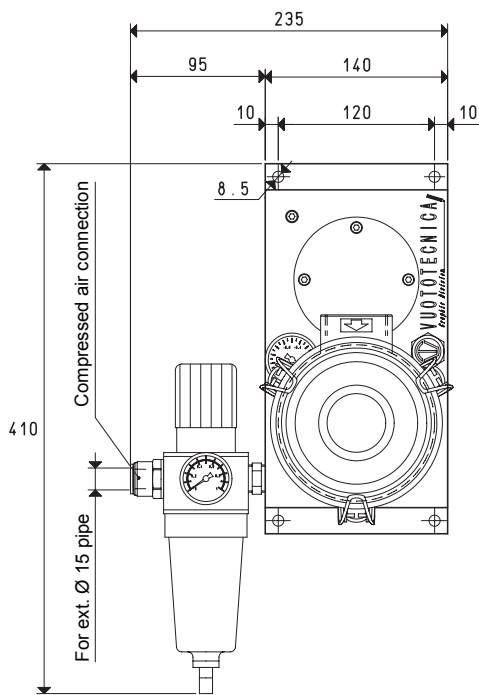
Art.		PA 40					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	14	30	46	65	82	90
Air consumption	NI/s	1.0	1.5	2.0	2.3	2.7	3.2
Quantity of sucked air	cum/h	15	23	30	36	39	42
Weight	Kg	6.2					
Art.		PA 70					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	14	30	46	65	82	90
Air consumption	NI/s	2.0	3.0	4.1	4.9	5.7	6.6
Quantity of sucked air	cum/h	29	47	58	65	73	80
Weight	Kg	6.2					
Art.		PA 100					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	11	28	45	65	82	90
Air consumption	NI/s	3.0	4.6	6.2	7.2	8.5	9.8
Quantity of sucked air	cum/h	28	57	75	88	98	108
Weight	Kg	6.2					
Working temperature	°C	-20 / +80					

Note: All the values in the table are valid at a normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.

Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

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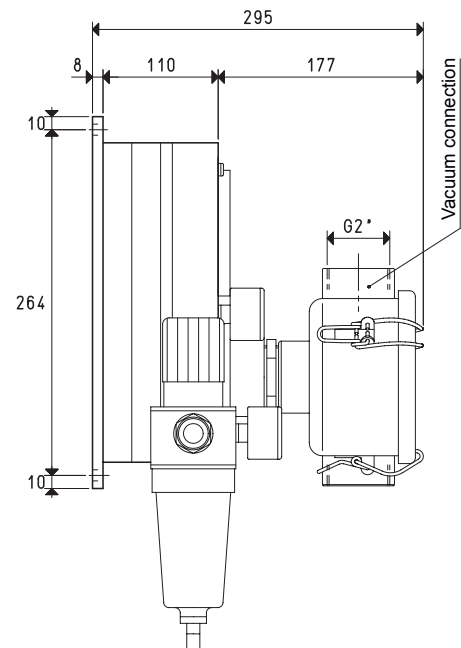
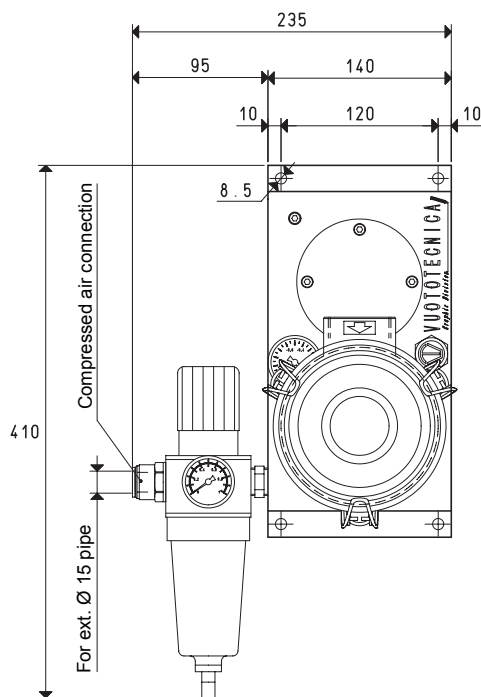
PNEUMATIC SUCTION PUMPS PA 140, PA 170 e PA 200



Art.		PA 140					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	15	35	55	70	85	90
Air consumption	NI/s	4.1	6.2	8.3	9.6	11.4	13.0
Quantity of sucked air	cum/h	45	80	106	125	140	152
Weight	Kg	7.2					
Art.		PA 170					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	15	35	55	70	85	90
Air consumption	NI/s	5.1	7.7	10.3	12.1	14.2	16.3
Quantity of sucked air	cum/h	53	98	128	150	168	182
Weight	Kg	7.2					
Art.		PA 200					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	15	35	55	70	85	90
Air consumption	NI/s	6.0	9.1	12.2	14.2	16.9	19.4
Quantity of sucked air	cum/h	60	110	142	170	188	200
Weight	Kg	7.2					
Working temperature	°C	-20 / +80					

Note: All the values in the table are valid at a normal atmospheric pressure of 1013 mbar (g) and obtained with a constant supply pressure.

PNEUMATIC SUCTION PUMPS PA 250 and PA 300



Art.		PA 250					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	15	35	55	70	85	90
Air consumption	NI/s	7.5	11.2	15.0	17.3	20.7	24.0
Quantity of sucked air	cum/h	100	145	190	224	252	280
Weight	Kg	8.1					
Art.		PA 300					
Supply pressure	bar (g)	1	2	3	4	5	6
Max. vacuum level	-KPa	15	35	55	70	85	90
Air consumption	NI/s	9.0	13.5	18.1	20.4	24.8	29.0
Quantity of sucked air	cum/h	106	160	213	240	290	320
Weight	Kg	8.1					
Working temperature	°C	-20 / +80					

Note: All the values in the table are valid at a normal atmospheric pressure of 1013 mbar (g) and obtained with a constant supply pressure.

Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

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