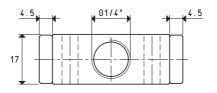
SINGLE-STAGE VACUUM GENERATORS PVP 2 and PVP 3

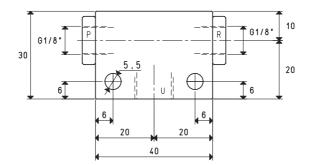
With their extremely reduced size and high performance, these single-stage vacuum generators operate exploiting the Venturi principle.

Supplying the generator with compressed air in P, vacuum will be generated at connection U, while both the supply and the sucked air will be released through R. By interrupting the air supply in P, the vacuum effect in U will also stop. The vacuum generators described in this page are generally used for interconnecting vacuum cups, for gripping and handling non-porous objects and equipment with low capacity requirements.

They are made with anodised aluminium with brass ejectors.





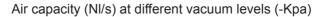


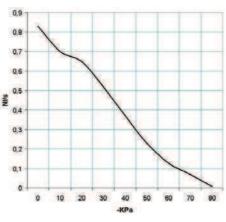
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				$\frac{1}{2}$
P=COMPRESSED AIR CONNECTION R=EXHAUS	ST U=VACUUM CONNECTION			0
Art.			PVP 2	
Quantity of sucked air	cum/h	2.8	2.9	3.0
Max. vacuum level	-KPa	60	70	85
Final pressure	mbar abs.	400	300	150
Supply pressure	bar (g)	4	5	6
Air consumption	NI/s	0.7	0.9	1.0
Working temperature	°C			-20 / +80
Noise level	dB(A)			78
Weight	g			70

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

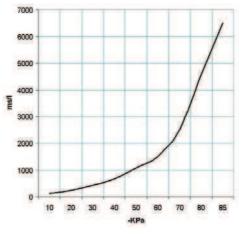
Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$





Generator	Supply press.	Air consumption	0 10 20 30 40 50 60 70 80 -KPa									Max. vacuum level
art.	bar (g)	NI/s	0	10	20	30	40	50	60	70	80	-KPa
PVP 2	6.0	1.0	0.83	0.70	0.65	0.52	0.37	0.23	0.13	0.07	0.007	85

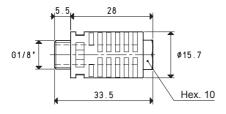
Evacuation time (ms/l=s/m³) at different vacuum levels (-Kpa)



Generator	Supply press.	Air consumption		Evacu	ation time	(ms/l = s	/m³) at diff	erent vacu	um levels	(-KPa)	ſ	Max. vacuum level
art.	bar (g)	NI/s	10	20	30	40	50	60	70	80	85	-KPa
PVP 2	6.0	1.0	128	257	438	675	1087	1511	2523	4572	6492	85

Accessories upon request

Silencer art. 00 15 74

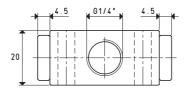


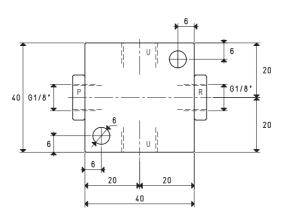


Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

3D drawings available at www.vuototecnica.net



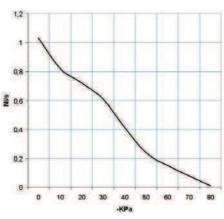




P=COMPRESSED AIR CONNECTION R=EXHAUST	U=VACUUM CONNECTION			Ú.
Art.			PVP 3	
Quantity of sucked air	cum/h	3.4	3.5	3.7
Max. vacuum level	-KPa	60	70	85
Final pressure	mbar abs.	400	300	150
Supply pressure	bar (g)	4	5	6
Air consumption	NI/s	1.1	1.3	1.5
Working temperature	°C			-20 / +80
Noise level	dB(A)			80
Weight	g			100

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

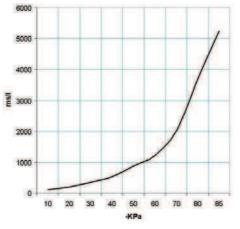
Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$



Air capacity (NI/s) at different vacuum levels (-Kpa)

Generator	Supply press.	Air consumption			Air capacit	ty (NI/s) at	t different	vacuum le	vels (-KPa)		1	Max. vacuum level
art.	bar (g)	NI/s	0	10	20	30	40	50	60	70	80	-KPa
PVP 3	6.0	1.5	1.03	0.82	0.72	0.61	0.41	0.24	0.15	0.08	800.0	85

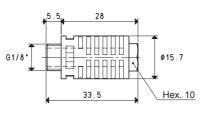
Evacuation time (ms/l=s/m³) at different vacuum levels (-Kpa)



Generator	Supply press.	Air consumption	s 10 20 30 40 50 60 70 80 85 -KPa							Max. vacuum level		
art.	bar (g)	NI/s	10	20	30	40	50	60	70	80	85	-KPa
PVP 3	6.0	1.5	104	207	353	544	857	1217	2033	3684	5232	85

Accessories upon request

Silencer art. 00 15 74





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

3D drawings available at www.vuototecnica.net

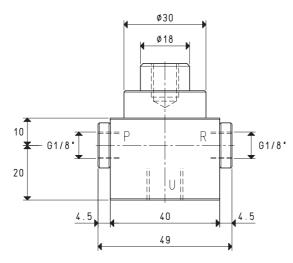
SINGLE-STAGE VACUUM GENERATORS PVP 2 M

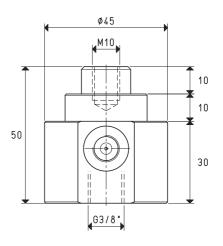
The vacuum generators described in this page are also based on the Venturi principle and share the same technical features as the previous ones. Their distinctive feature is their shape.

The vacuum connection U, in fact, is threaded to allow the assembly of a vacuum cup with a male 3/8" threaded gas support, while in-line, but on the opposite side an M 10 threaded hole allows installing the generator directly onto the machine or on the cup holders with springing device. They are fully made with anodised aluminium, with brass ejectors.

Equipped with a vacuum cup, they are true independent gripping units. These vacuum generators are suited for vacuum cup operated loaders or handlers, for gripping sheet steel, glass slabs, plastic panels and other similar products.







				$\overline{\mathbf{U}}$
P=COMPRESSED AIR CONNECTION R=EXHAUST	U=VACUUM CONNECTION			
Art.			PVP 2 M	
Quantity of sucked air	cum/h	2.8	2.9	3.0
Max. vacuum level	-KPa	60	70	85
Final pressure	mbar abs.	400	300	150
Supply pressure	bar (g)	4	5	6
Air consumption	NI/s	0.7	0.9	1.0
Working temperature	°C			-20 / +80
Noise level	dB(A)			78
Weight	g			162

30

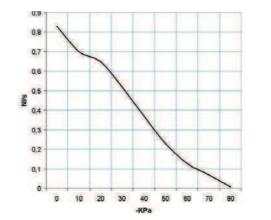
Note: All the vacuum data indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and are obtained with a constant supply pressure.

8.20

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

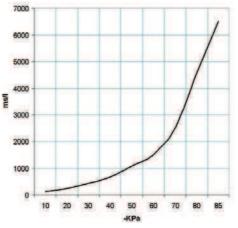
SINGLE-STAGE VACUUM GENERATORS PVP 2 M

Air capacity (NI/s) at different vacuum levels (-Kpa)



Generator	Supply press.	Air consumption	0 10 20 30 40 50 60 70 80 -KPa									
art.	bar (g)	NI/s	0	10	20	30	40	50	60		80	-KPa
PVP 2 M	6.0	1.0	0.83	1.70	0.65	0.52	0.37	0.23	0.13	0.07	0.007	85

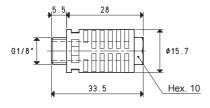
Evacuation time (ms/l=s/m³) at different vacuum levels (-Kpa)



Generator	Supply press.	Air consumption		Evacu	ation time	(ms/l = s/s)	/m³) at diff	erent vacu	ium levels	(-KPa)		Max. vacuum level
art.	bar (g)	NI/s	10	20	30	40	50	60	70	80	85	-KPa
PVP 2 M	6.0	1.0	128	257	438	675	1087	1511	2523	4572	6492	85

Accessories upon request

Silencer art. 00 15 74





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

8.21

3D drawings available at www.vuototecnica.net

SINGLE-STAGE VACUUM GENERATORS PVP 7 X

Vacuum generators PVP 7 X also exploit the Venturi principle. Their distinctive feature compared to PVP 2 and PVP 3 is their greater suction capacity, thanks to the association of two ejectors in parallel.

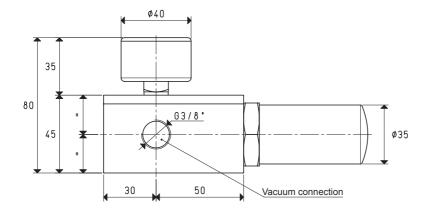
A special silencer made with sintered ceramic is installed on their exhaust, making them particularly silent.

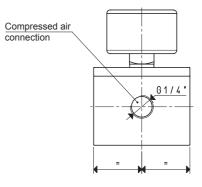
As a standard, they are equipped with a vacuum gauge for a direct reading of the vacuum level.

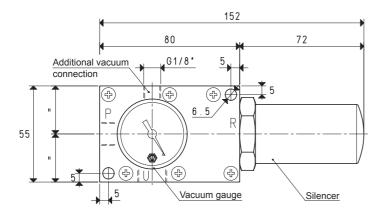
An additional connection on the body of the generator allows the installation of a mini vacuum switch for signalling the vacuum level, or of a pneumatic solenoid valve for a quick restoration of the atmospheric pressure at the service.

They are fully made with anodised aluminium, with stainless steel ejectors. These vacuum generators can be used for connecting one or more vacuum cups or equipment with capacity requirements within the shown values.









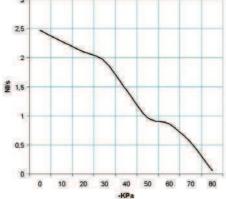
P R

P=COMPRESSED AIR CONNECTION R=EXHAU	JST U=VACUUM CONNECTIO	N		0
Art.			PVP 7 X	
Quantity of sucked air	cum/h	8.5	8.8	8.9
Max. vacuum level	-KPa	60	73	85
Final pressure	mbar abs.	400	270	150
Supply pressure	bar (g)	4	5	6
Air consumption	NI/s	2.3	2.8	3.2
Working temperature	°C			-20 / +80
Noise level	dB(A)			63
Weight	g			470
Spare parts				
Sealing kit	art.			00 15 276
Vacuum gauge	art.			09 03 15
Silencer	art.			00 15 55

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

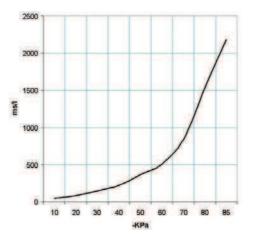
Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

Air capacity (NI/s) at different vacuum levels (-Kpa) 3



Generator	Supply press.	Air consumption			Air capacit	y (NI/s) at	different	vacuum lev	vels (-KPa)			Max. vacuum level
art.	bar (g)	NI/s	0	10	20	30	40	50	60	70	80	-KPa
PVP 7 X	6.0	3.2	2.47	2.28	2.10	1.94	1.44	0.97	0.86	0.54	0.05	85

Evacuation time (ms/l=s/m³) at different vacuum levels (-Kpa)



		SE SE	1000						/	/										unototoonica not
			500 - 0 -	10	20	30	40	50 -KPa	60	70	80	85								TATATATA TC
Generator	Supply press.	Air consumption				Evac	uation	ı time	(ms/l	= s/m	ı³) at d	liffere	ent vacuu	ım level	s (-KPa)		Max.	vacuu	n level	
art.	bar (g)	NI/s		10		20	;	30	40)	50		60	70	80	85		-KPa		
PVP 7 X	6.0	3.2		43		86	1	47	22	c	365		507	847	1536	2181		85		

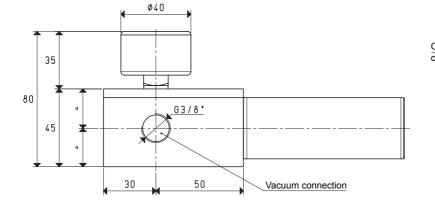
SINGLE-STAGE VACUUM GENERATORS PVP 7 SX

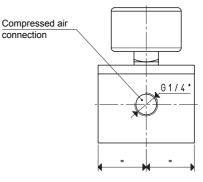
Vacuum generators PVP 7X share the same mechanical and technical features as the previously described ones. Their distinctive feature is a state of the are silencer installed on them and made with natural fibre sound absorbing material contained in a special cylindrical anodised aluminium enclosure open on the exhaust.

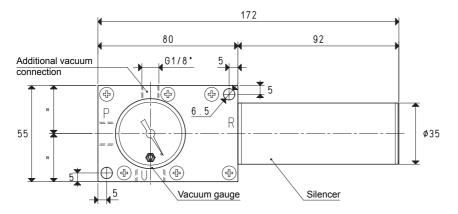
This prevents the silencer from being clogged and allows the vacuum generator to suck oil or water condensation saturated fluids mixed with fine and impalpable dust.

They can be used as PVP 7X and, in addition, they can also operate in humid or dusty environments.







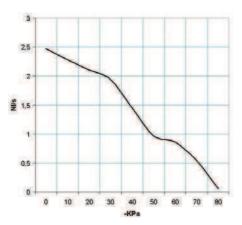


P R

P=COMPRESSED AIR CONNECTION R=E	XHAUST U=VACUUM CONNECT	ION		Ū
Art.			PVP 7 SX	
Quantity of sucked air	cum/h	8.5	8.8	8.9
Max. vacuum level	-KPa	60	73	85
Final pressure	mbar abs.	400	270	150
Supply pressure	bar (g)	4	5	6
Air consumption	NI/s	2.3	2.8	3.2
Working temperature	°C			-20 / +80
Noise level	dB(A)			63
Weight	g			470
Spare parts				
Sealing kit	art.			00 15 276
Vacuum gauge	art.			09 03 15
Silencer	art.			SSX 3/4 R

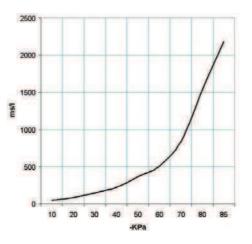
Note: All the vacuum data indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and are obtained with a constant supply pressure.

Air capacity (NI/s) at different vacuum levels (-Kpa)



Generator	Supply press.	Air consumption	Air capacity (NI/s) at different vacuum levels (-KPa) Max. vacuum level									Max. vacuum level
art.	bar (g)	NI/s	0	10	20	30	40	50	60	70	80	-KPa
PVP 7 SX	6.0	3.2	2.47	2.28	2.10	1.94	1.44	0.97	0.86	0.54	0.05	85

Evacuation time (ms/l=s/m³) at different vacuum levels (-Kpa)



			1000 500 0 +	10 2	20 30		50 60 (Pa	70	80 88	5					
Generator art.	Supply press.	Air consumption		10	Eva 20	acuation 3		s/I = s/ 40	m³) at diff 50	ferent vacu	uum levels 70	s (-KPa) 80	85	cuum leve	91
	our (g)	11/0			20	0	•		50	50	10	00	00	11104	