

# 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.

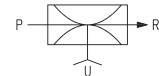
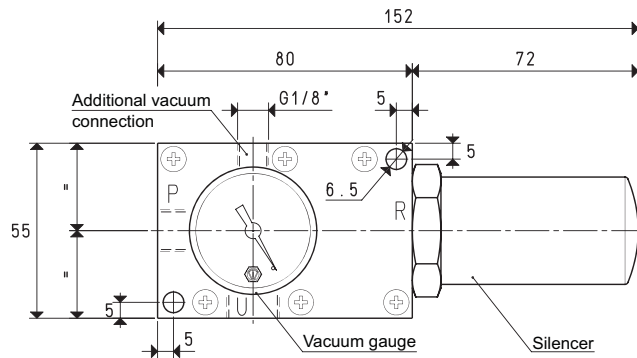
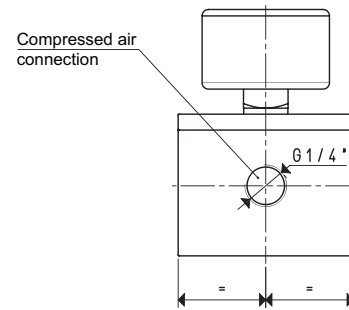
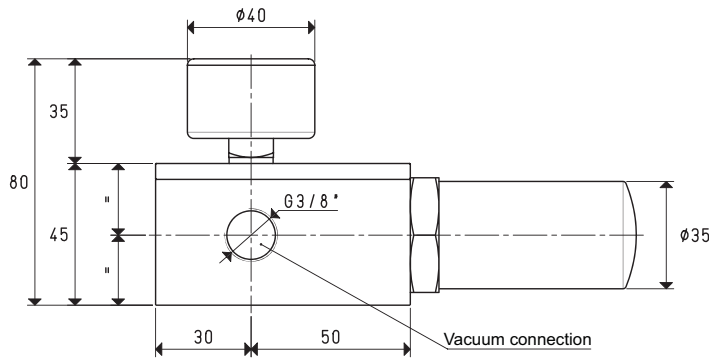
A special silencer made with sintered ceramic is installed on their exhaust, making them particularly silent.

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.



3D drawings available at [www.vuototecnica.net](http://www.vuototecnica.net)

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

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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

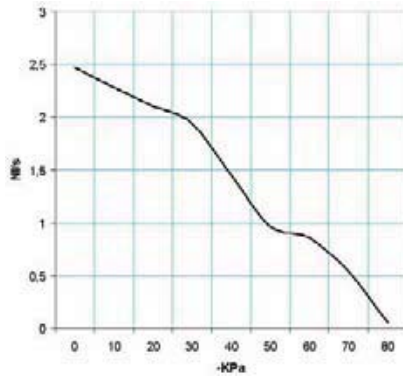


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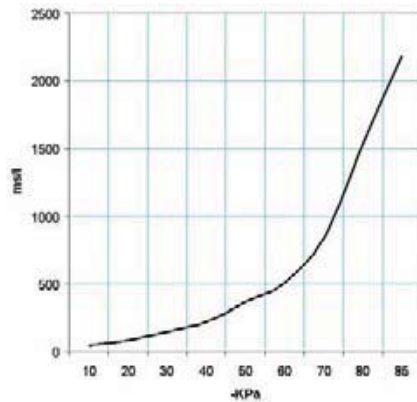
# SINGLE-STAGE VACUUM GENERATORS PVP 7 X

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



Generator art.	Supply press. bar (g)	Air consumption NI/s	Air capacity (NI/s) at different vacuum levels (-KPa)										Max. vacuum level -KPa
			0	10	20	30	40	50	60	70	80		
<b>PVP 7 X</b>	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= $s/m^3$ ) at different vacuum levels (-Kpa)



Generator art.	Supply press. bar (g)	Air consumption NI/s	Evacuation time (ms/l = $s/m^3$ ) at different vacuum levels (-KPa)										Max. vacuum level -KPa
			10	20	30	40	50	60	70	80	85		
<b>PVP 7 X</b>	6.0	3.2	43	86	147	226	365	507	847	1536	2181	85	