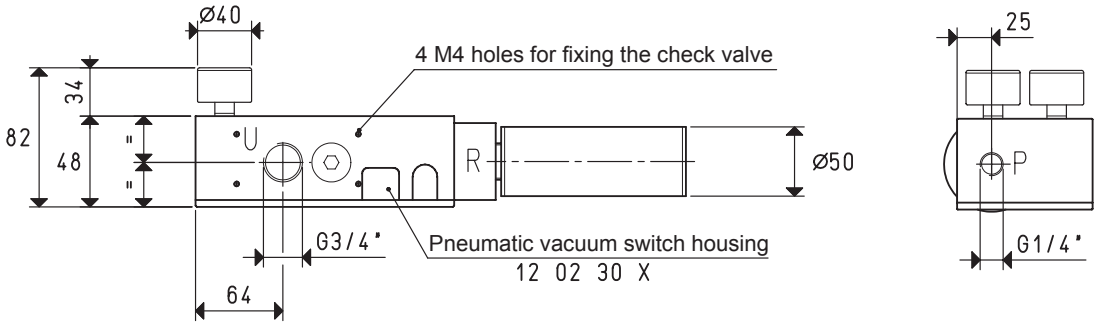
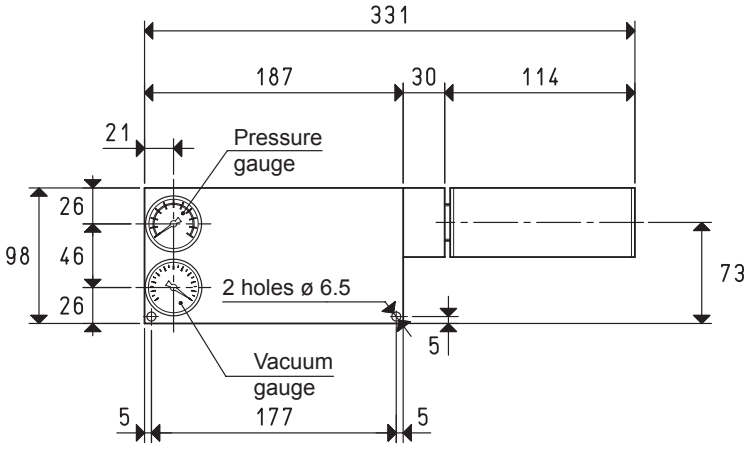
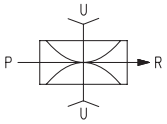
MULTI-STAGE VACUUM GENERATORS PVP 25 ÷ 75 MDX

This new range of generators represent the natural evolution of the PVP 25 ÷ 75 MD multiple ejector vacuum generators and they boast an excellent performance. In fact, given the same air consumption values and the same final vacuum level, the maximum suction capacity is increased by 10 ÷ 12% compared to the previous range.
the body and lid are made with anodised aluminium, all the ejectors are made with stainless steel, as well as the fixing screws.
The state of the art seal is in EPDM and is never in contact with the sucked fluid; le reed valves, on the other hand, are made with silicon as a standard and in viton, upon request.
These new devices contain a housing for the installation, upon request, of a pneumatic vacuum switch, that, associated with a pneumatic slide valve and a special check valve, allows making an energy saving device. As a standard, these devices are equipped with a vacuum gauge a pressure gauge, a silencer on the exhaust and a quick coupler for the compressed air supply.
This new range of vacuum generators is perfectly interchangeable with the previous one.







P=COMPRESSED AIR CONNECTION R=EXHAUST U=VACUUM CONNECTION

Art.		PVP 25 MDX				PVP 35 MDX			PVP 50 MDX	
Max. quantity of sucked air	cum/h	35	39	43	47	52	57	57	62	68
Max. vacuum level	-KPa	65	82	90	65	82	90	65	82	90
Final pressure	mbar abs.	350	180	100	350	180	100	350	180	100
Supply pressure	bar (g)	4	5	6	4	5	6	4	5	6
Air consumption	Nl/s	2.3	2.8	3.2	3.4	4.1	4.8	4.7	5.6	6.5
Working temperature	°C			-20 / +80			-20 / +80			-20 / +80
Noise level	dB(A)			58			58			60
Weight	Kg			1.71			1.73			1.75
Spare parts										
Sealing kit and reed valve	art.			00 KIT PVP 25 MDX			00 KIT PVP 35 MDX			00 KIT PVP 50 MDX
Vacuum gauge	art.			09 03 15			09 03 15			09 03 15
Pressure gauge	art.			09 03 25			09 03 25			09 03 25
Silencer	art.			SSX 3/4"			SSX 3/4"			SSX 3/4"

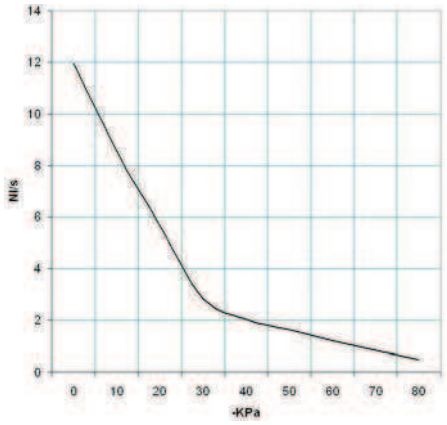
Note: All the vacuum data indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and are obtained with a constant supply pressure.

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

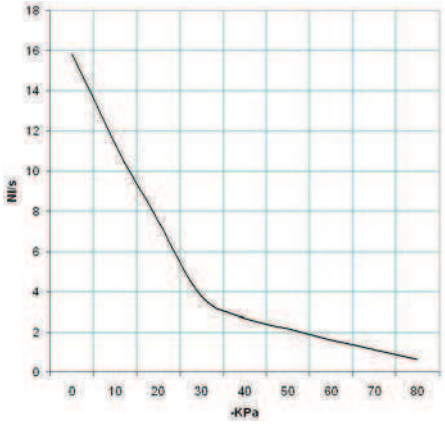
GAS-NPT thread adapters available at page 1.117

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

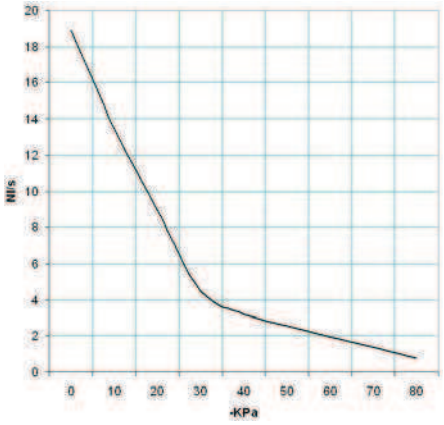
PVP 25 MDX



PVP 35 MDX



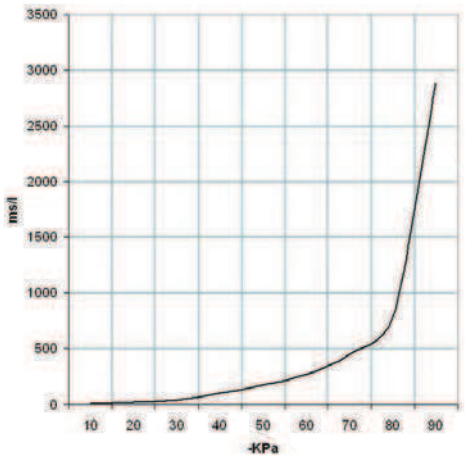
PVP 50 MDX



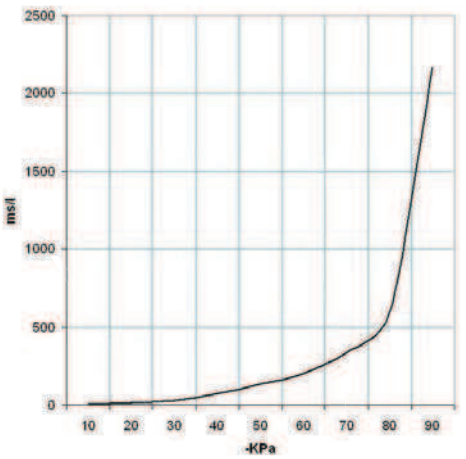
Generator	Supply press.	Air consumption	Air capacity (Nl/s) at different vacuum levels (-KPa)									Max. vacuum level
art.	bar (g)	Nl/s	0	10	20	30	40	50	60	70	80	-KPa
PVP 25 MDX	6.0	3.2	11.94	8.53	5.68	2.84	2.03	1.62	1.22	0.85	0.48	90
PVP 35 MDX	6.0	4.8	15.83	11.30	7.53	3.76	2.69	2.15	1.61	1.13	0.64	90
PVP 50 MDX	6.0	6.5	18.88	13.48	8.99	4.49	3.21	2.56	1.93	1.35	0.77	90

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

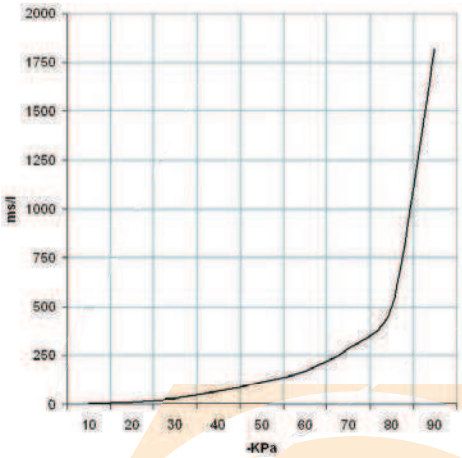
PVP 25 MDX



PVP 35 MDX

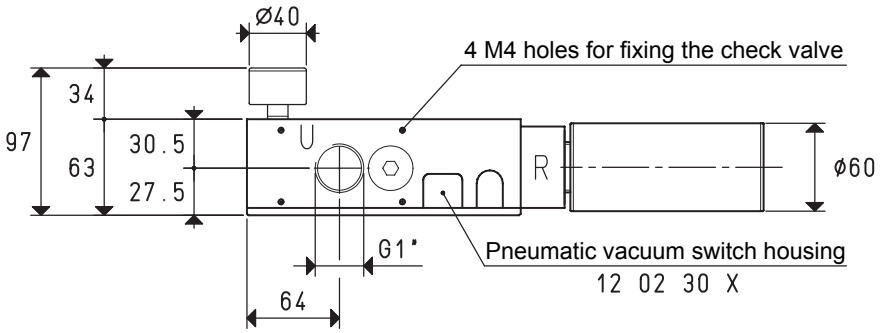


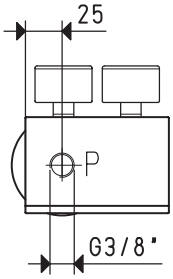
PVP 50 MDX

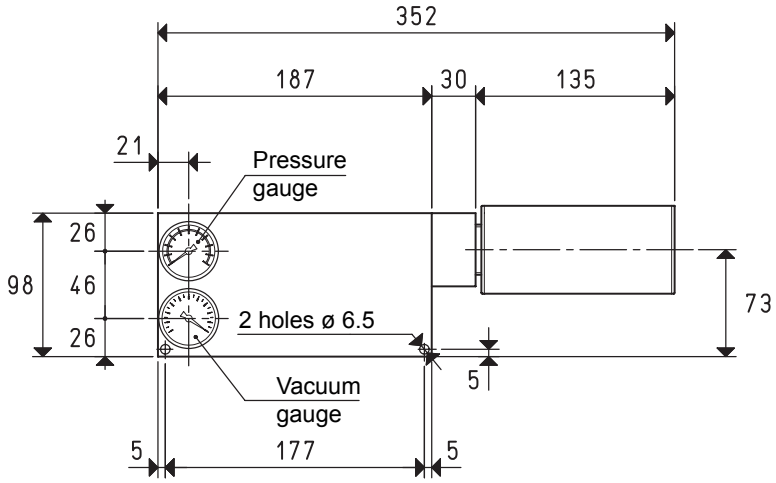


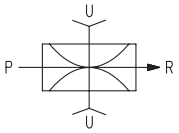
Generator	Supply press.	Air consumption	Evacuation time (ms/l = s/m³) at different vacuum levels (-KPa)									Max. vacuum level
art.	bar (g)	Nl/s	10	20	30	40	50	60	70	80	90	-KPa
PVP 25 MDX	6.0	3.2	7.5	18.8	41.3	99.3	177.7	271.9	451.4	781.0	2874	90
PVP 35 MDX	6.0	4.8	5.6	14.1	31.2	74.9	134.0	205.1	340.5	589.1	2618	90
PVP 50 MDX	6.0	6.5	4.7	11.9	26.2	62.8	112.4	172.0	285.5	494.0	1818	90

MULTI-STAGE VACUUM GENERATORS PVP 60 MDX and 75 MDX









P=COMPRESSED AIR CONNECTION R=EXHAUST U=VACUUM CONNECTION

Art.		PVP 60 MDX					PVP 75 MDX
Max. quantity of sucked air	cum/h	75	85	92	85	94	103
Max. vacuum level	-KPa	65	82	90	65	82	90
Final pressure	mbar abs.	350	180	100	350	180	100
Supply pressure	bar (g)	4	5	6	4	5	6
Air consumption	Nl/s	5.9	7.0	8.2	7.0	8.4	9.8
Working temperature	°C			-20 / +80			-20 / 80
Noise level	dB(A)			62			64
Weight	Kg			1.90			1.92
Spare parts							
Sealing kit and reed valve	art.			00 KIT PVP 60 MDX			00 KIT PVP 75 MDX
Vacuum gauge	art.			09 03 15			09 03 15
Pressure gauge	art.			09 03 25			09 03 25
Silencer	art.			SSX 1"			SSX 1"

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.

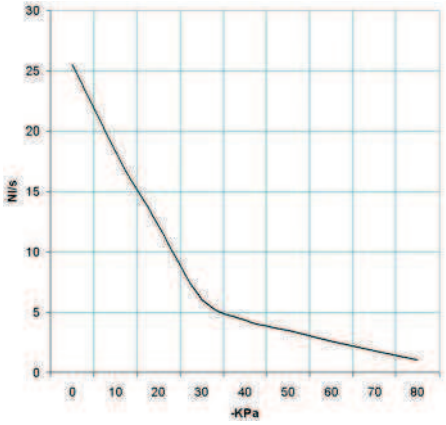
3D drawing available at **www.vuototecnica.net**

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

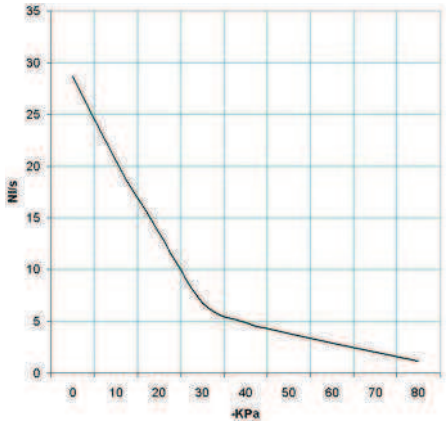
GAS-NPT thread adapters available at page 1.117

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

PVP 60 MDX



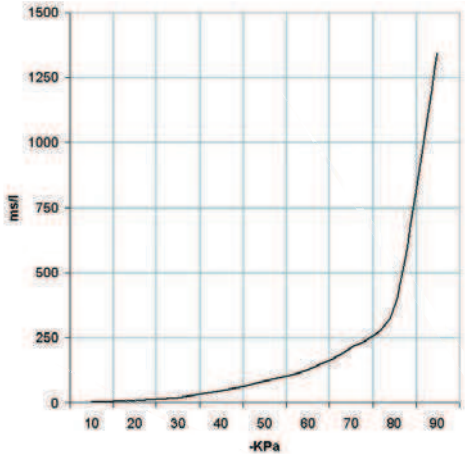
PVP 75 MDX



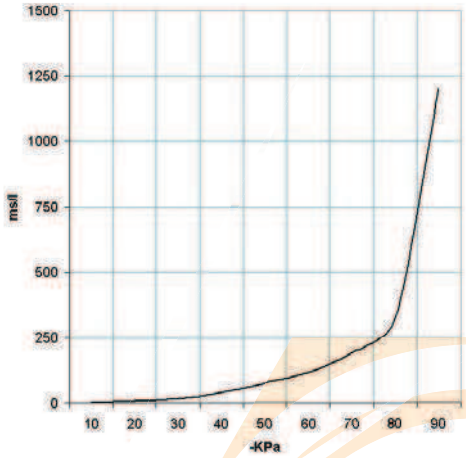
Generator	Supply press.	Air consumption	Air capacity (Nl/s) at different vacuum levels (-KPa)									Max. vacuum level
art.	bar (g)	Nl/s	0	10	20	30	40	50	60	70	80	-KPa
PVP 60 MDX	6.0	8.2	25.55	18.25	12.16	6.08	4.34	3.47	2.61	1.82	1.04	90
PVP 75 MDX	6.0	9.8	28.61	20.43	13.62	6.81	4.86	3.89	2.92	2.04	1.16	90

Evacuation time (ms/l=s/m^3) at different vacuum levels (-Kpa)

PVP 60 MDX



PVP 75 MDX



Generator	Supply press.	Air consumption	Evacuation time (ms/l = s/m^3) at different vacuum levels (-KPa)									Max. vacuum level
art.	bar (g)	Nl/s	10	20	30	40	50	60	70	80	90	-KPa
PVP 60 MDX	6.0	8.2	3.5	8.8	19.3	46.4	83.0	127.0	211.0	365.0	1343	90
PVP 75 MDX	6.0	9.8	3.1	7.8	17.2	41.4	74.2	113.5	188.4	326.0	1200	90