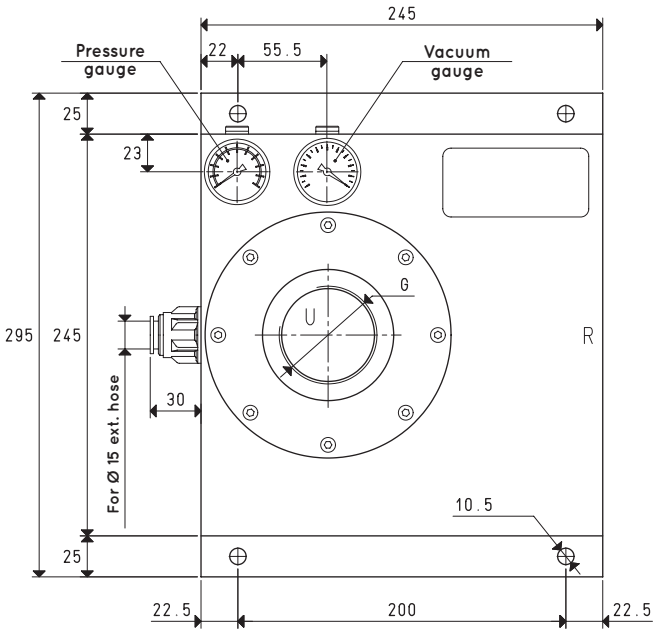
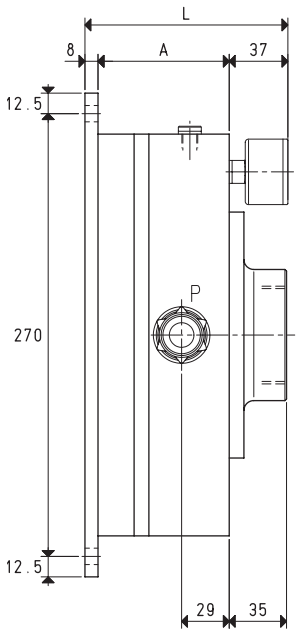
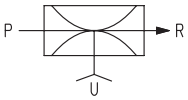
MULTI-STAGE AND MODULAR VACUUM GENERATORS PVP 150 MD / MDLP and PVP 300 MD / MDLP







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

Item		PVP 150 MD			PVP 300 MD		
Intake air flow rate	m^3/h	160	180	200	320	360	400
Maximum level of vacuum	-KPa	65	82	90	65	82	90
Final pressure	abs. mbar	350	180	100	350	180	100
Supply pressure	bar	4	5	6	4	5	6
Optimal supply pressure	bar			6			6
Air consumption	Nl/s	12.1	14.2	16.0	23.2	27.8	32.0
Temperature of use	°C			-20 / +100			-20 / +100
Noise level at optimal supply pressure	dB(A)			72			74
Weight	Kg			7.0			8.0
A				80			100
G	Ø			G1" 1/2			G2"
L				125			145

Item		PVP 150 MDLP			PVP 300 MDLP		
Intake air flow rate	m^3/h	85	146	170	190	300	340
Maximum level of vacuum	-KPa	30	64	88	30	64	88
Final pressure	abs. mbar	700	360	120	700	360	120
Supply pressure	bar	1	2	3	1	2	3
Optimal supply pressure	bar			3			3
Air consumption	Nl/s	10.5	16.5	22.6	22.5	33.6	45.5
Temperature of use	°C			-20 / +100			-20 / +100
Noise level at optimal supply pressure	dB(A)			76			78
Weight	Kg			7.8			8.8
A				80			100
G	Ø			G1" 1/2			G2"
L				125			145

Spare parts		PVP 150 MD / MDLP	PVP 300 MD / MDLP
Sealing kit and reed valves	item	00 KIT PVP 150 MD	00 KIT PVP 300 MD
Exhaust silencer	item	00 15 70	00 15 70
Silencer on nozzles	item	00 15 71	00 15 72
Vacuum gauge	item	09 03 15	09 03 15
Pressure gauge	item	09 03 25	09 03 25

Note: All vacuum values indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.
Add the letter R to the item for a generator supplied with an integrated check valve (Example: PVP 150 MDR).
Vacuum generator supply must be carried out with non-lubricated compressed air, 5 micron filtration, in accordance with standard **ISO 8573-1 class 4**.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

Adapters for GAS - NPT threading available on page 1.130

3D drawings are available on **vuototecnica.net**

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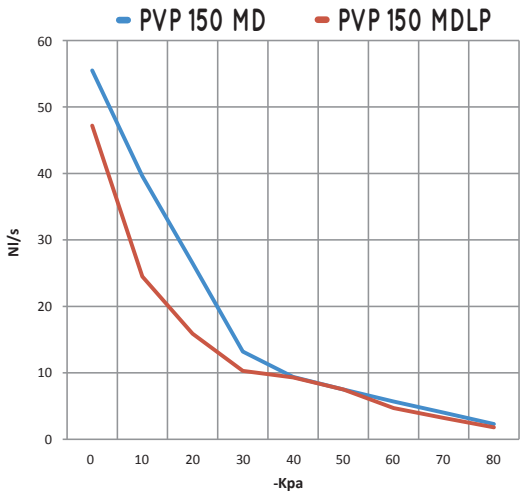
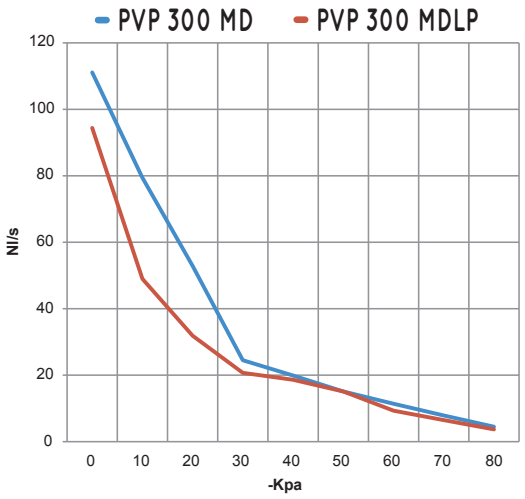
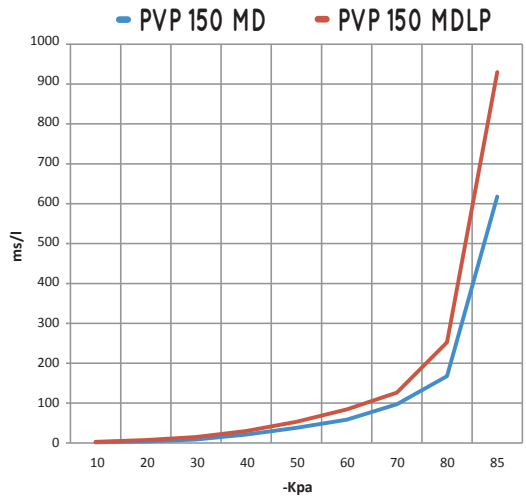
Air flow rate (Nl/s) at different levels of vacuums (-KPa) at optimal supply pressure

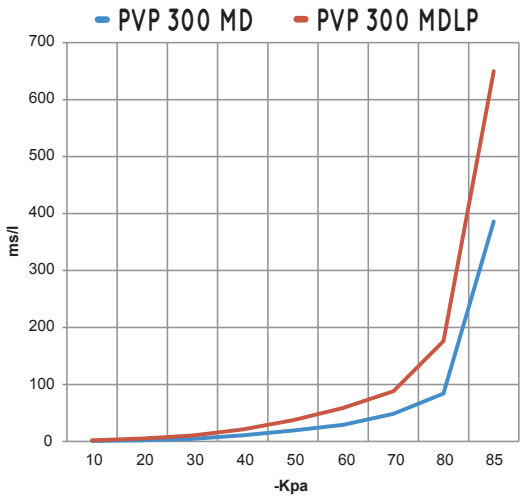




Generator item	Supp. press. bar	Air consumption Nl/s	Air flow rate (Nl/s) at different levels of vacuums (-KPa) at optimal supply pressure									Max vacuum -KPa
			0	10	20	30	40	50	60	70	80	
PVP 150 MD	6.0	16.0	55.5	39.6	26.5	13.2	9.4	7.5	5.7	4.0	2.3	90
PVP 300 MD	6.0	32.0	111.1	79.4	52.9	26.5	19.9	15.1	11.4	7.9	4.5	90
PVP 150 MDLP	3.0	22.6	47.2	24.5	15.9	10.3	9.3	7.5	4.7	3.2	1.8	88
PVP 300 MDLP	3.0	45.5	94.4	49.0	31.9	20.7	18.6	15.1	9.3	6.5	3.7	88

Evacuation rates (ms/l = s/m³) at different levels of vacuums (-KPa) at optimal supply pressure





Generator item	Supp. press. bar	Air consumption Nl/s	Evacuation rates (ms/l= s/m³) at different levels of vacuums (-KPa) at optimal supply pressure									Max vacuum -KPa
			10	20	30	40	50	60	70	80	85	
PVP 150 MD	6.0	16.0	1.6	4.0	8.9	21.3	38.2	58.4	97.0	167.8	618	90
PVP 300 MD	6.0	32.0	0.8	2.0	4.4	10.6	19.1	29.2	48.5	83.9	386	90
PVP 150 MDLP	3.0	22.6	2.9	7.5	15.0	30.1	53.3	84.2	126.3	252.5	930	88
PVP 300 MDLP	3.0	45.5	2.0	5.2	10.5	21.0	37.2	58.7	88.0	176.1	650	88