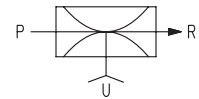
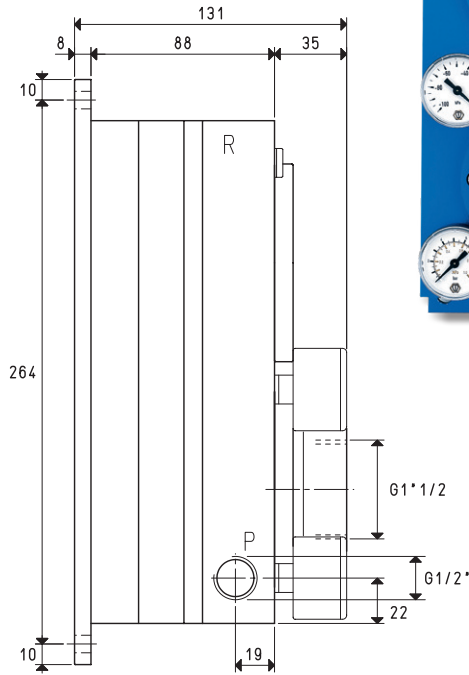
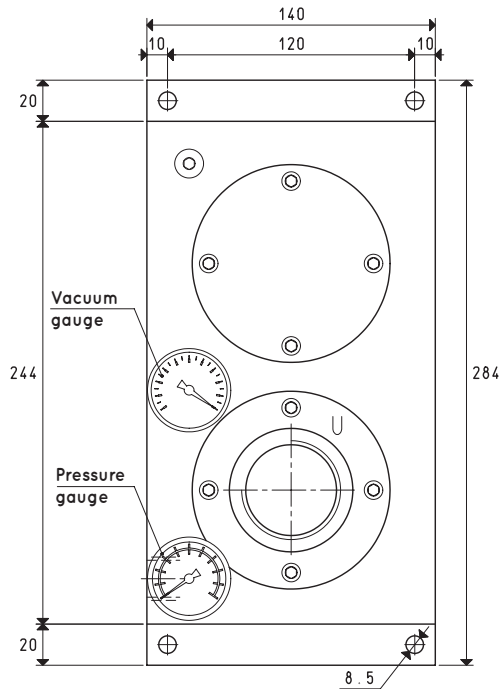


MULTI-STAGE VACUUM GENERATORS PVP 140 M / MLP,  
PVP 170 M / MLP and PVP 200 M / MLP



3D drawings are available on [vuototecnica.net](http://vuototecnica.net)



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

Item		PVP 140 M			PVP 170 M			PVP 200 M		
Intake air flow rate	m <sup>3</sup> /h	125	140	152	150	168	182	170	188	200
Maximum level of vacuum	-KPa	65	82	90	65	82	90	65	82	90
Final pressure	abs. mbar	350	180	100	350	180	100	350	180	100
Supply pressure	bar	4	5	6	4	5	6	4	5	6
Optimal supply pressure	bar			6			6			6
Air consumption	NI/s	9.6	11.4	13.0	12.1	14.2	16.3	14.2	16.9	19.4
Temperature of use	°C	-20 / +100			-20 / +100			-20 / +100		
Noise level at optimal supply pressure	dB(A)	70			71			72		
Weight	Kg	5.1			5.1			5.1		
Item		PVP 140 MLP			PVP 170 MLP			PVP 200 MLP		
Intake air flow rate	m <sup>3</sup> /h	73	115	138	80	137	165	105	157	190
Maximum level of vacuum	-KPa	30	64	88	30	64	88	30	64	88
Final pressure	abs. mbar	700	360	120	700	360	120	700	360	120
Supply pressure	bar	1	2	3	1	2	3	1	2	3
Optimal supply pressure	bar			3			3			3
Air consumption	NI/s	8.6	13.3	17.8	10.5	16.3	22.2	12.8	20.0	26.6
Temperature of use	°C	-20 / +100			-20 / +100			-20 / +100		
Noise level at optimal supply pressure	dB(A)	75			76			78		
Weight	Kg	5.1			5.1			5.1		
Spare parts		PVP 140 M / MLP			PVP 170 M / MLP			PVP 200 M / MLP		
Sealing kit and reed valves	item	00 KIT PVP 140 M			00 KIT PVP 170 M			00 KIT PVP 200 M		
Exhaust silencer	item	00 15 110			00 15 110			00 15 110		
Silencer on nozzles	item	N°2 00 15 111			N°2 00 15 111			N°2 00 15 111		
Vacuum gauge	item	09 03 15			09 03 15			09 03 15		
Pressure gauge	item	09 03 25			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.

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)

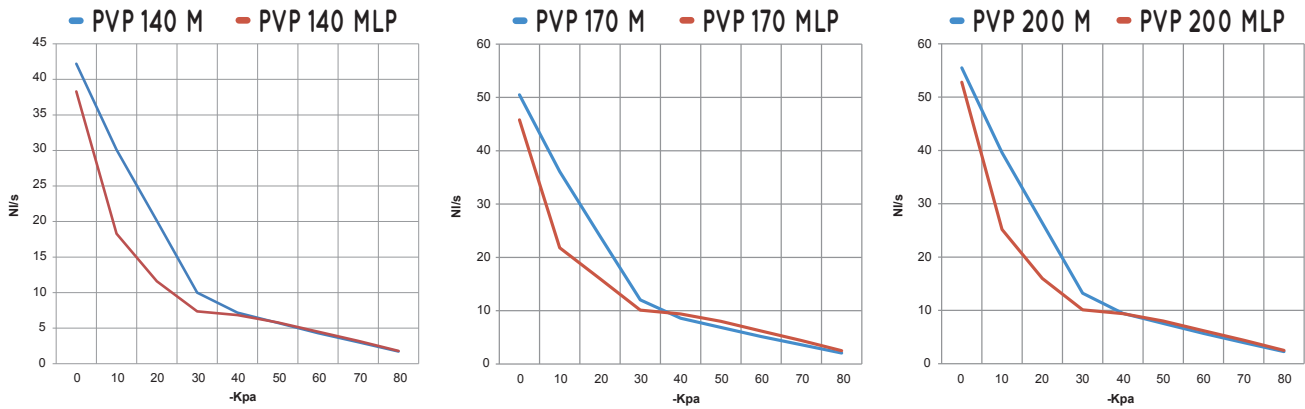
inch =  $\frac{\text{mm}}{25.4}$  ; pounds =  $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

Adapters for GAS - NPT threading available on page 1.130



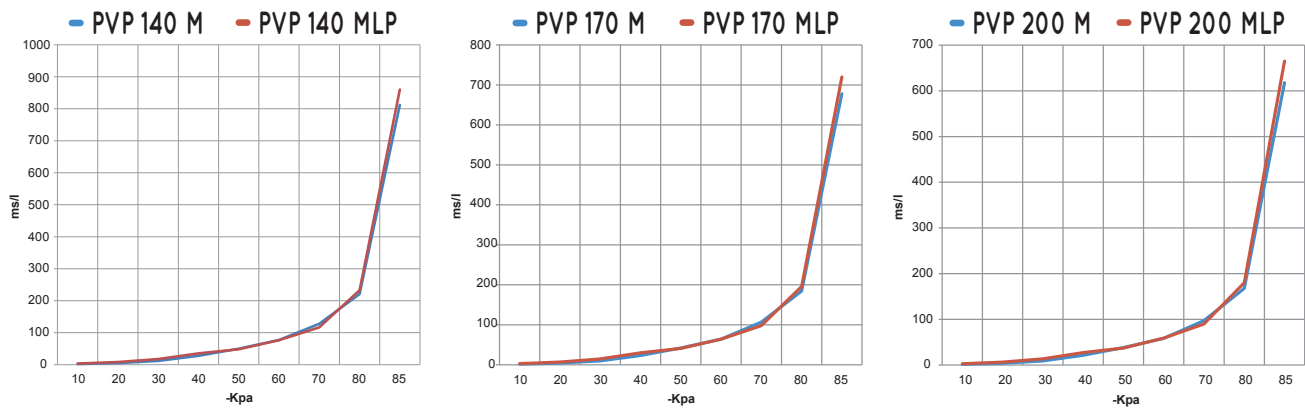
# MULTI-STAGE VACUUM GENERATORS PVP 140 M / MLP, PVP 170 M / MLP and PVP 200 M / MLP

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



Generator item	Supp. press. bar	Air consumption NI/s	Air flow rate (NI/s) at different levels of vacuums (-KPa) at optimal supply pressure										Max vacuum -KPa
			0	10	20	30	40	50	60	70	80		
PVP 140 M	6.0	13.0	42.20	30.10	20.10	10.00	7.18	5.74	4.31	3.02	1.72	90	
PVP 170 M	6.0	16.3	50.50	36.10	24.00	12.03	8.59	6.87	5.17	3.61	2.06	90	
PVP 200 M	6.0	19.4	55.50	39.60	26.40	13.22	9.44	7.55	5.68	3.97	2.27	90	
PVP 140 MLP	3.0	17.8	38.30	18.30	11.60	7.36	6.84	5.80	4.50	3.20	1.80	88	
PVP 170 MLP	3.0	22.2	45.80	21.80	13.80	8.81	8.18	6.94	5.39	3.82	2.16	88	
PVP 200 MLP	3.0	26.6	52.80	25.20	16.00	10.10	9.40	8.00	6.20	4.40	2.50	88	

Evacuation rates (ms/l = s/m<sup>3</sup>) at different levels of vacuums (-KPa) at optimal supply pressure



Generator item	Supp. press. bar	Air consumption NI/s	Evacuation rates (ms/l = s/m <sup>3</sup> ) at different levels of vacuums (-KPa) at optimal supply pressure										Max vacuum -KPa
			10	20	30	40	50	60	70	80	85		
PVP 140 M	6.0	13.0	2.1	5.3	11.7	28.0	50.2	76.9	127.6	220.8	812	90	
PVP 170 M	6.0	16.3	1.7	4.4	9.7	23.4	42.0	64.2	106.6	184.5	678	90	
PVP 200 M	6.0	19.4	1.6	4.0	8.9	21.3	38.2	58.4	97.0	167.8	618	90	
PVP 140 MLP	3.0	17.8	3.6	8.4	17.7	35.4	48.3	76.5	116.8	233.0	860	88	
PVP 170 MLP	3.0	22.2	3.0	7.1	14.9	29.9	40.6	64.2	98.0	196.0	720	88	
PVP 200 MLP	3.0	26.6	2.8	6.5	13.6	27.3	37.2	58.8	89.7	180.0	665	88	