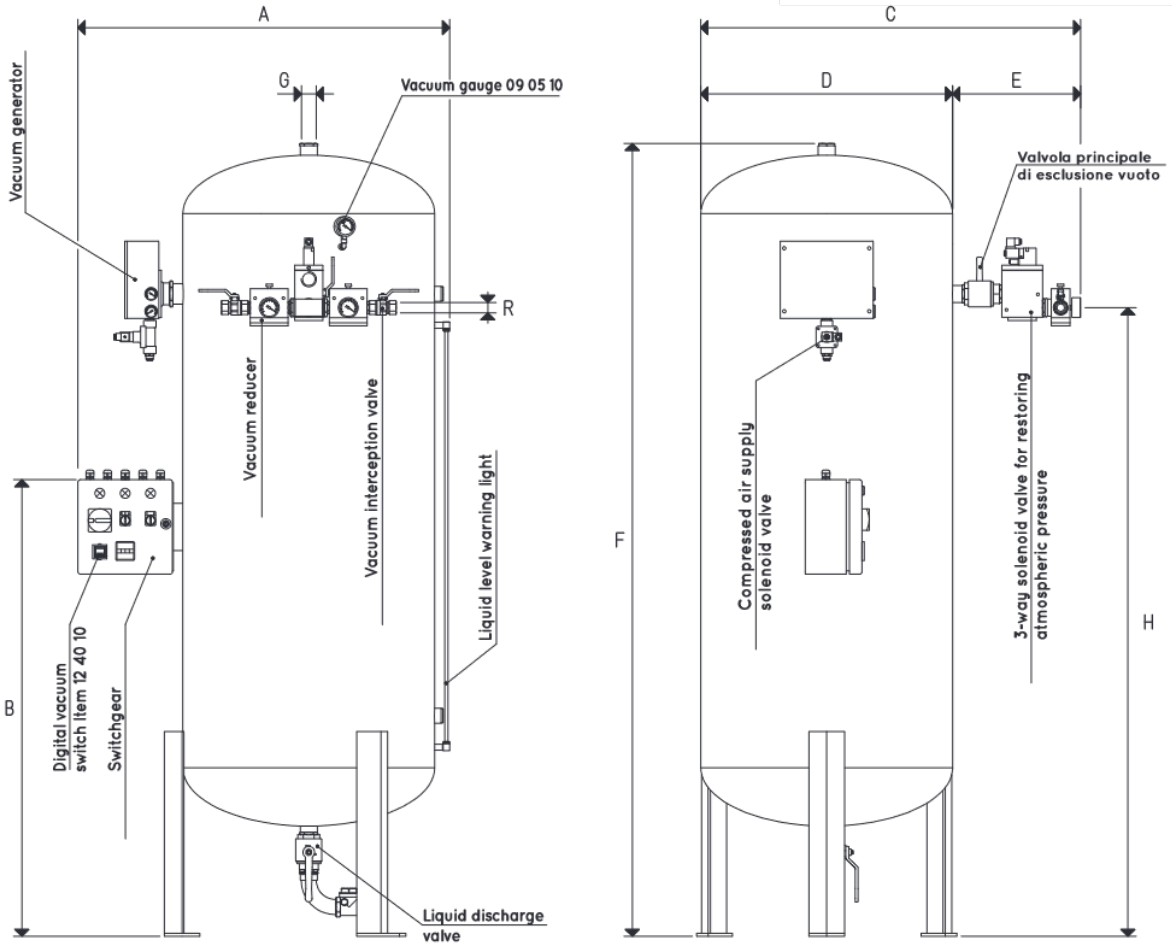
LIQUID-SUCKING PUMP SETS

3D drawings are available on vuototecnica.net

These pump sets are for sucking liquids and collect them inside their tanks. The maximum level difference that can be exceeded is approximately 9 metres.
They are composed of:
- A welded sheet steel large-capacity tank
- A compressed air-fed multi-stage vacuum generator
- A digital vacuum switch for adjusting the level of vacuum within which to operate
- A vacuum gauge for a direct reading of the level of vacuum in the tank
- A liquid level visible warning light
- Two magnetic switches for minimum and maximum liquid level
- One three-way vacuum solenoid valve for resetting the atmospheric pressure in the tank, with consequent automatic discharge of the accumulated liquid
- Two vacuum reducers for level of vacuum adjustment at the application
- Three manual valves for vacuum interception
- A switchgear enclosed in a special protective casing for manual or automatic operation selection

Liquid-sucking pump sets are normally used for extracting the water contained in washing machine and dishwasher filters that cannot be automatically drained after their commissioning.
They are also recommended for transferring dense liquids and creamy or muddy substances.
Available in other versions upon request.





Item	Flow rate	A	B	C	D	E	F	G	H	R	Generator of vacuum	Electrical switchgear	Spare part voltage	Weight
	L				Ø			Ø		Ø	item		Volt	Kg
DVL 150	150	780	900	700	400	300	1600	G1″	1220	G3/8″	PVP 75 MDXR	DVL 150 90V	1 ~ 230-50Hz	63
DVL 300	300	880	1150	800	500	300	1890	G2″	1470	G3/8″	PVP 140 MR	DVL 150 90V	1 ~ 230-50Hz	75
DVL 500	500	980	1450	1000	600	400	2220	G2″	1800	G1/2″	PVP 250 MR	DVL 150 90V	1 ~ 230-50Hz	165
DVL 1000	1000	1180	1450	1200	800	400	2480	G3″	2000	G1″	PVP 300 MDR	DVL 150 90V	1 ~ 230-50Hz	214

NOTE: 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 = $\frac{g}{453.6} = \frac{Kg}{0.4536}$