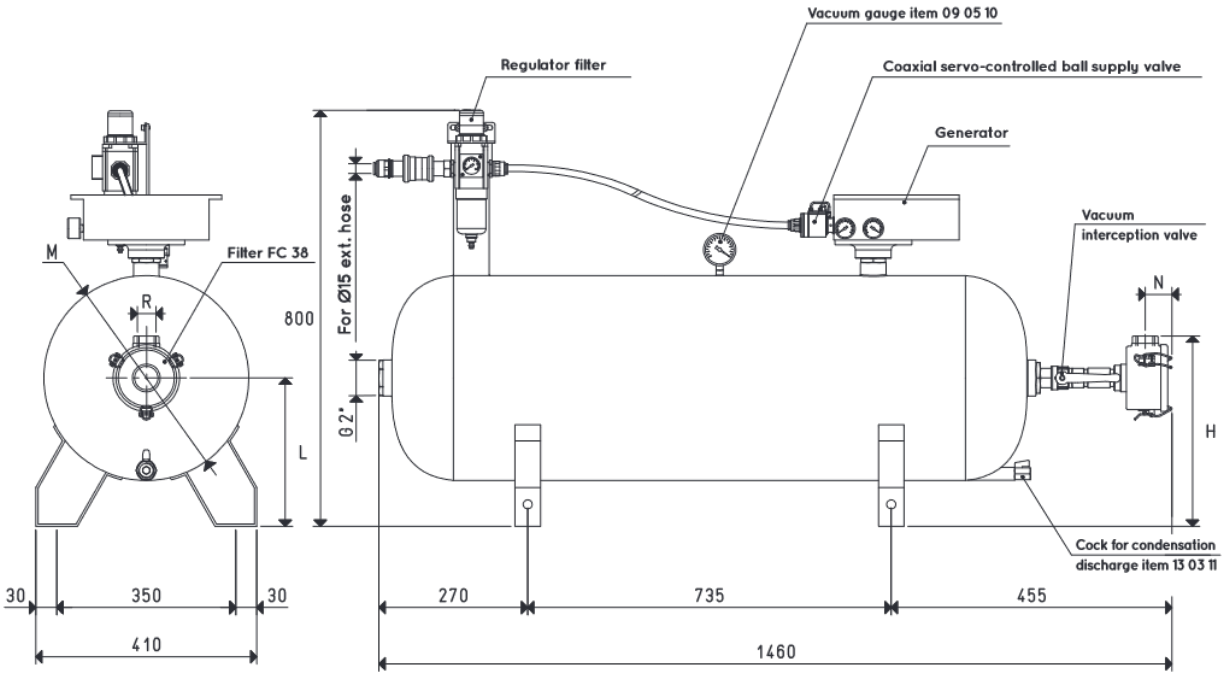
PNEUMATIC PUMP SETS DOP 150 and DOP 300

Pneumatic pump sets are self-contained vacuum production units, fed exclusively by compressed air.
They are composed of:
- A welded sheet steel tank
- A compressed air vacuum generator of the series PVP ... MDR ES, equipped with energy saving device
- A vacuum gauge for a direct reading of the level of vacuum in the tank
- A manual valve for vacuum interception
- A suction filter with FC series paper cartridge
- A pressure regulator with filter
- A shut off valve to intercept compressed air
- A cock for condensation drainage from the tank

The level of vacuum in the tank, previously set with the vacuum switch integrated in the pneumatic coaxial shutter supply valve, is fully automatically. The pneumatic pump sets are normally used to handle particularly heavy or valuable loads, as it allows vacuum cups to maintain grip for a certain period of time (varies according to tank capacity) even during unexpected absence of power. They are also recommended for centralising vacuums, for powering multiple utility machines. In both cases, use of the pump set is especially advantageous under the profile of energy savings as the generator only operates when a vacuum is required by the utility machine.
The pneumatic pump sets do not require any electrical energy but only compressed air at 4-6 bar pressure. Recommended in working environments where ignition sources could cause a fire hazard.





Item	Tank	Generator	Pneumatic switchgear	H	L	M	N	R	Weight
	Litres	item	item			Ø		Ø	Kg
DOP 150 PVP 150 MD	150	PVP 150 MDR ES	DOP 150 90	360	280	400	41	G1"1/2	40.2

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

Adapters for GAS - NPT threading available on page 1.130

3D drawings are available on vuototecnica.net