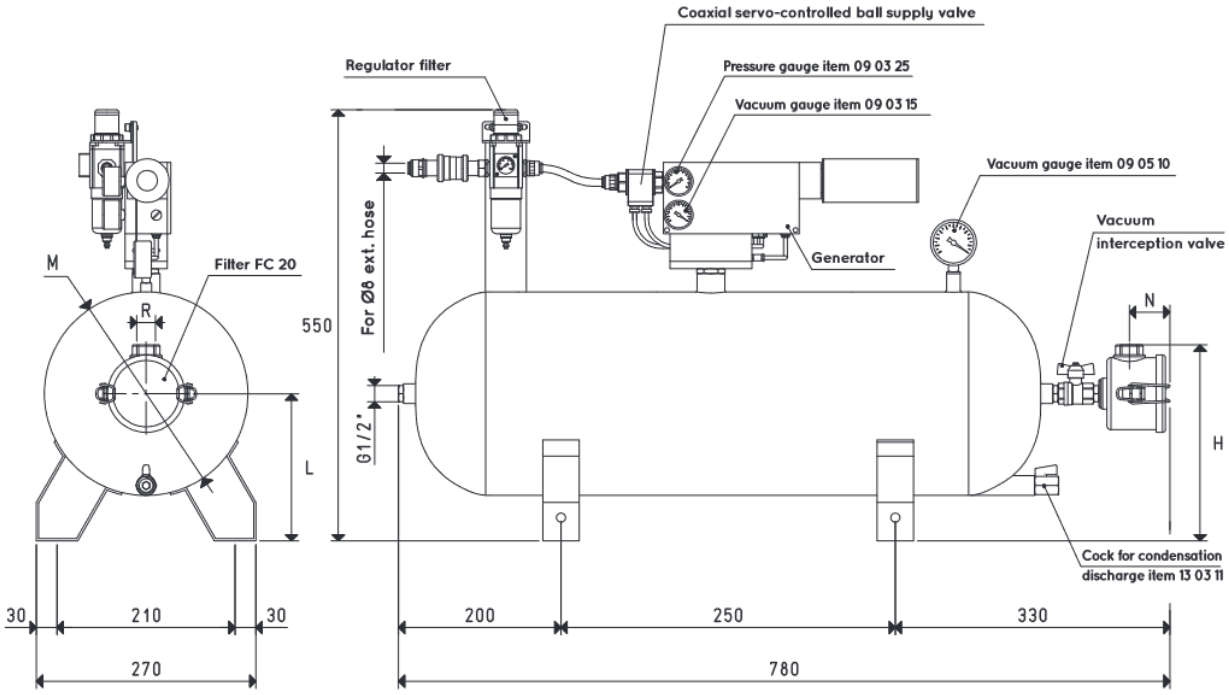
PNEUMATIC PUMP SETS 25, DOP 50 and DOP 100

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 ... MDX ES, equipped with an energy saving device
- A vacuum gauge for reading the level of vacuum
- A manual valve for vacuum interception
- A suction filter with FC series paper cartridge
- A pressure regulator with filter and pressure gauge
- 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 in the generator, is automatically maintained. 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. These pump sets are recommended for multi-point applications, to centralise vacuum.
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 current 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 25 PVP 25 MDX	25	PVP 25 MDX ES	DOP 20 90	225	185	240	51	G1/2"	15.9
DOP 25 PVP 35 MDX	25	PVP 35 MDX ES	DOP 20 90	225	185	240	51	G1/2"	16.0

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