

MINI PNEUMATIC PUMP SETS DOP 06 and DOP 10

Mini pneumatic pump sets are small independent vacuum-producing units, exclusively supplied with compressed air, with reduced size.

They are composed of:

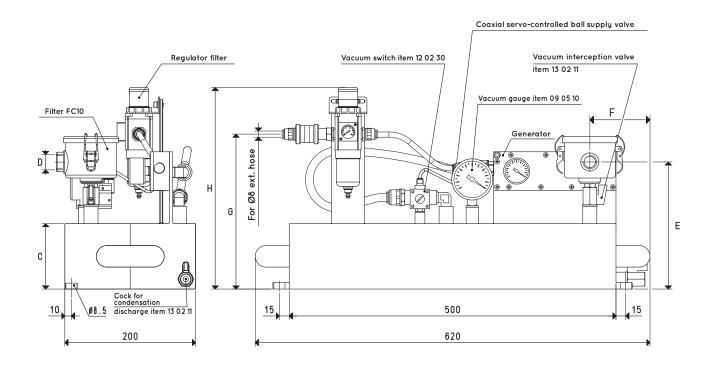
- A small welded sheet steel tank
- A shut off valve to intercept compressed air
- A pressure regulator with filter and pressure gauge
- A compressed air vacuum generator
- A pneumatic drive valve for supplying the vacuum generator operated by the vacuum switch
- A pneumatic vacuum switch for adjusting the level of vacuum
- A vacuum gauge for reading the level of vacuum
- A manual valve for vacuum interception
- A suction filter with FC series paper cartridge
- A cock for condensation drainage from the tank

The level of vacuum, preset via the mini vacuum switch is automatically maintained in the tank.

Mini pneumatic pump sets are suited for equipping fixed or mobile working units that require vacuum, such as:

- Trolleys with vacuum cups for fixing and transporting glass and crystals.
- Vacuum clamping systems for ski maintenance, marble drilling and processing, for polishing objects in pewter, copper, silver, etc.
- Hoists with vacuum cups for lifting television sets and household appliances in general, for glass installation in door and window frames, for feeding sheet metal into presses, etc. The mini 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	С	D	E	F	G	Н	L	Weight
	Litres	item	item		Ø						Kg
DOP 06 PVP 12 MX	6	PVP 12 MX	DOP 20 90	60	G3/8"	150	95	180	270	620	12.7
DOP 06 PVP 25 MX	6	PVP 25 MX	DOP 20 90	60	G3/8"	150	95	180	270	620	13.0
DOP 10 PVP 12 MX	10	PVP 12 MX	DOP 20 90	100	G3/8"	210	95	240	310	620	12.9
DOP 10 PVP 25 MX	10	PVP 25 MX	DOP 20 90	100	G3/8"	210	95	240	310	620	13.2

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

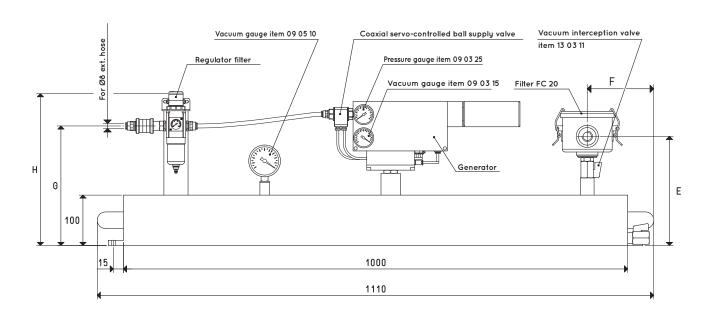
MINI PNEUMATIC PUMP SETS DOP 20

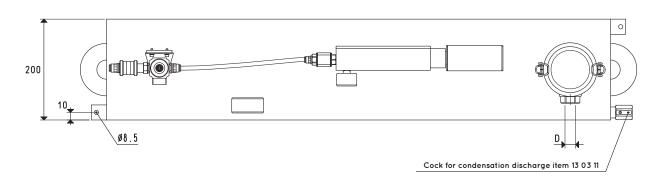


This mini pump set is set apart from the previously ones for the vacuum generator installed, as well as for the tank volume.

Vacuum generators of the series PVP... MDX ES are in fact equipped with an energy saving device which automatically maintains the preset level of vacuum inside the tank. The other accessories installed, except the vacuum switch and the pneumatically driven valve for vacuum generator supply, are the same installed on DOP 06 and DOP 10. Their intended use is the same as the previously described mini pneumatic pump sets.







Item	Tank	Generator	Pneumatic switchgear	D	E	F	G	Н	L	Weight
	Litres	item	item	Ø						Kg
DOP 20 PVP 25 MDX	20	PVP 25 MDX ES	DOP 20 90	G1/2"	225	135	270	340	1110	20.6
DOP 20 PVP 35 MDX	20	PVP 35 MDX ES	DOP 20 90	G1/2"	225	135	270	340	1110	20.7



PNEUMATIC PUMP SETS 25, DOP 50 and DOP 100

Pneumatic pump sets are self-contained vacuum production units, fed exclusively by compressed air.

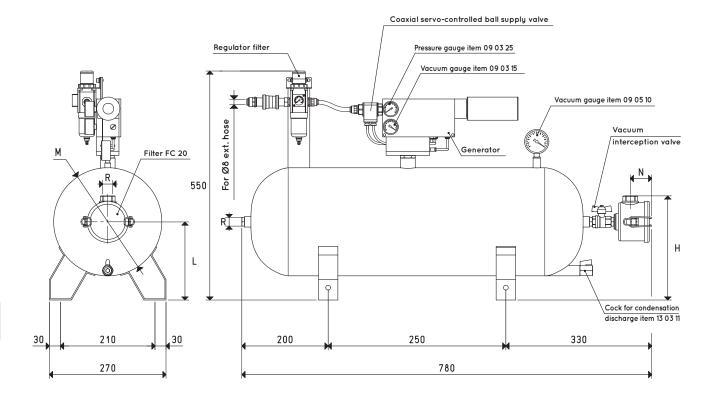
They are composed of:

- 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.



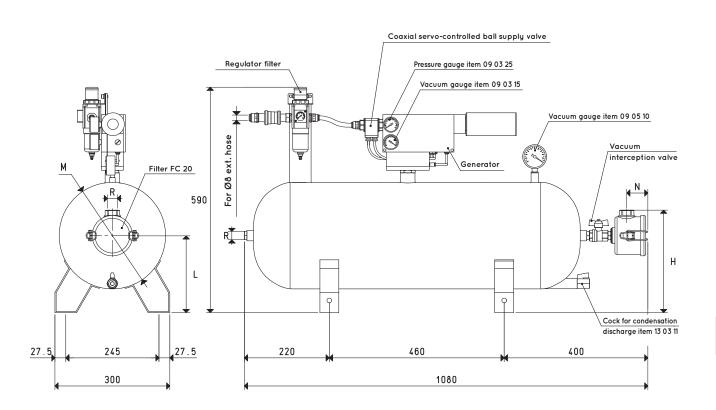


ltem	Tank	Generator	Pneumatic switchgear	Н	L	М	N	R	Weight
	Litres	item	item			Ø		Ø	Kg
DOP 25 PVP 25 MDX DOP 25 PVP 35 MDX	25 25	PVP 25 MDX ES PVP 35 MDX ES	DOP 20 90 DOP 20 90	225 225	185 185	240 240	51 51	G1/2" G1/2"	15.9 16.0
DOI 231 VI 33 MDX	20	T VT 00 WIDN LO	DOI 20 90	220	100			01/2	10.0

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



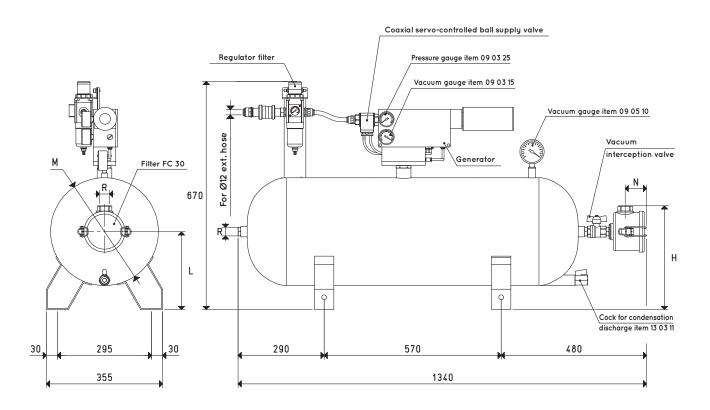




Item	Tank	Generator	Pneumatic switchgear	G	Н	L	M	N	R	Ø ext. tube	Weight
	Litres	item	item				Ø		Ø	Ø	Kg
DOP 50 PVP 50 MDX	50	PVP 50 MDX ES	DOP 20 90	27.5	245	205	280	51	G1"	8	18.9
DOP 50 PVP 60 MDX	50	PVP 60 MDX ES	DOP 50 90	27.5	245	205	280	51	G1"	12	19.7







ltem	Tank	Generator	Pneumatic switchgear	Н	L	М	N	R	Weight
	Litres	item	item			Ø		Ø	Kg
DOP 100 PVP 75 MDX	100	PVP 75 MDX ES	DOP 50 90	300	255	350	41	G2"	31.0

PNEUMATIC PUMP SETS DOP 150 and DOP 300



Pneumatic pump sets are self-contained vacuum production units, fed exclusively by compressed air.

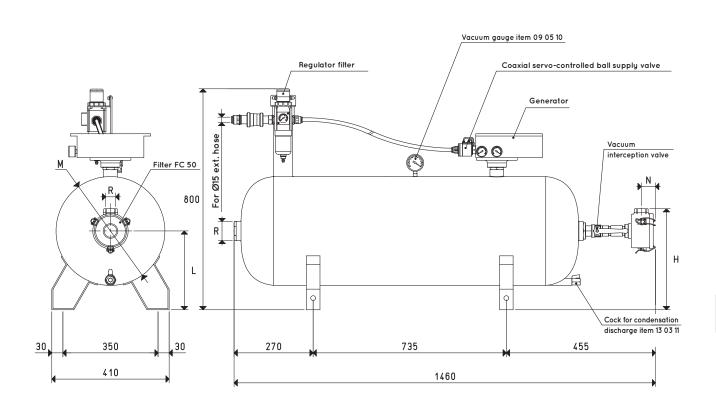
They are composed of:

- A welded sheet steel tank
- A compressed air vacuum generator of the series PVP \dots 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.

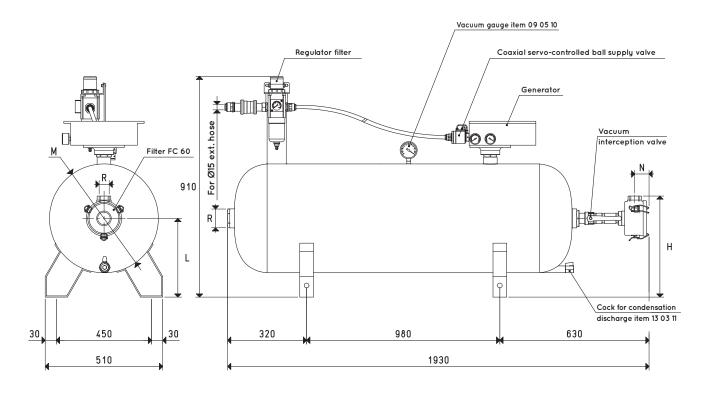




ltem	Tank	Generator	Pneumatic switchgear	Н	L	М	N	R	Weight
	Litres	item	item			Ø		Ø	Kg
DOP 150 PVP 150 M	D 150	PVP 150 MDR ES	DOP 150 90	360	280	400	41	G2"	40.2







ltem	Tank	Generator	Pneumatic switchgear	Н	L	М	N	R	Weight
	Litres	item	item			Ø		Ø	Kg
DOP 300 PVP 300 MD	300	PVP 300 MDR ES	DOP 150 90	440	340	500	45	G2"	41.2

PNEUMATIC DEVICES FOR THE POWER SUPPLY OF MINI PNEUMATIC PUMP SETS DOP 06, DOP 10, DOP 20 AND PUMP SETS DOP 25, DOP 50, DOP 100, DOP 150 and DOP 300



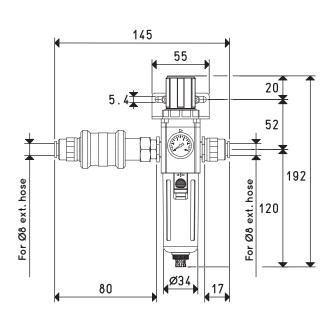
The pneumatic equipment of the mini pump sets and pump sets is sized so as to guarantee the right amount of compressed air supply to the vacuum generators installed on them, at a correct, constant and continuous pressure.

It is composed of:

- A pressure regulator with filter and pressure gauge for regulating compressed supply air
- A metal bracket for fixing the pressure regulator to the support
- A slide valve to intercept compressed air
- Two quick couplings to connect the air supply line and the vacuum generator

They are available in different sizes depending on the vacuum generator installed on the mini pump set or on the pump set.

PNEUMATIC DEVICES FOR THE POWER SUPPLY OF MINI PNEUMATIC PUMP SETS DOP 06, DOP 10 and DOP 20

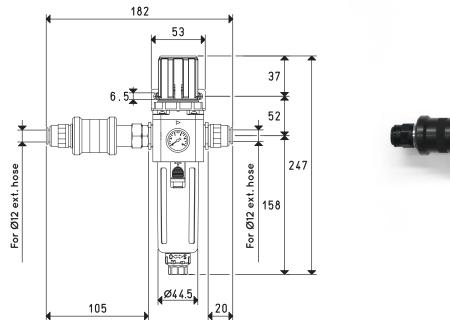




Item	Weight Kg	Suitable for generator item
DOP 20 90	0.36	PVP 12 MX - PVP 25 MX - PVP 25 MDX ES - PVP 35 MDX ES - PVP 50 MDX ES



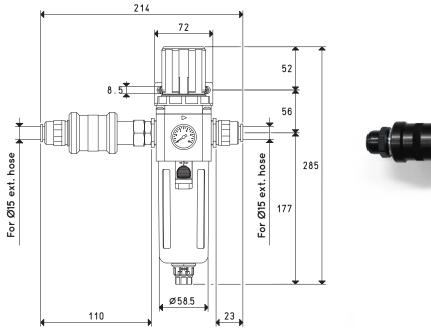
PNEUMATIC DEVICES FOR THE POWER SUPPLY OF PNEUMATIC PUMP SETS DOP 50 and DOP 100





Item	Weight Kg	Suitable for generator item
DOP 50 90	0.72	PVP 60 MDX ES - PVP 75 MDX ES

PNEUMATIC DEVICES FOR THE POWER SUPPLY OF PNEUMATIC PUMP SETS DOP 150 and DOP 300





Item	Weight Kg	Suitable for generator item
DOP 150 90	1.2	PVP 150 MDR - PVP 300 MDR