

## PNEUMATIC PUMPSETS DOP 25, DOP 50 and DOP 100



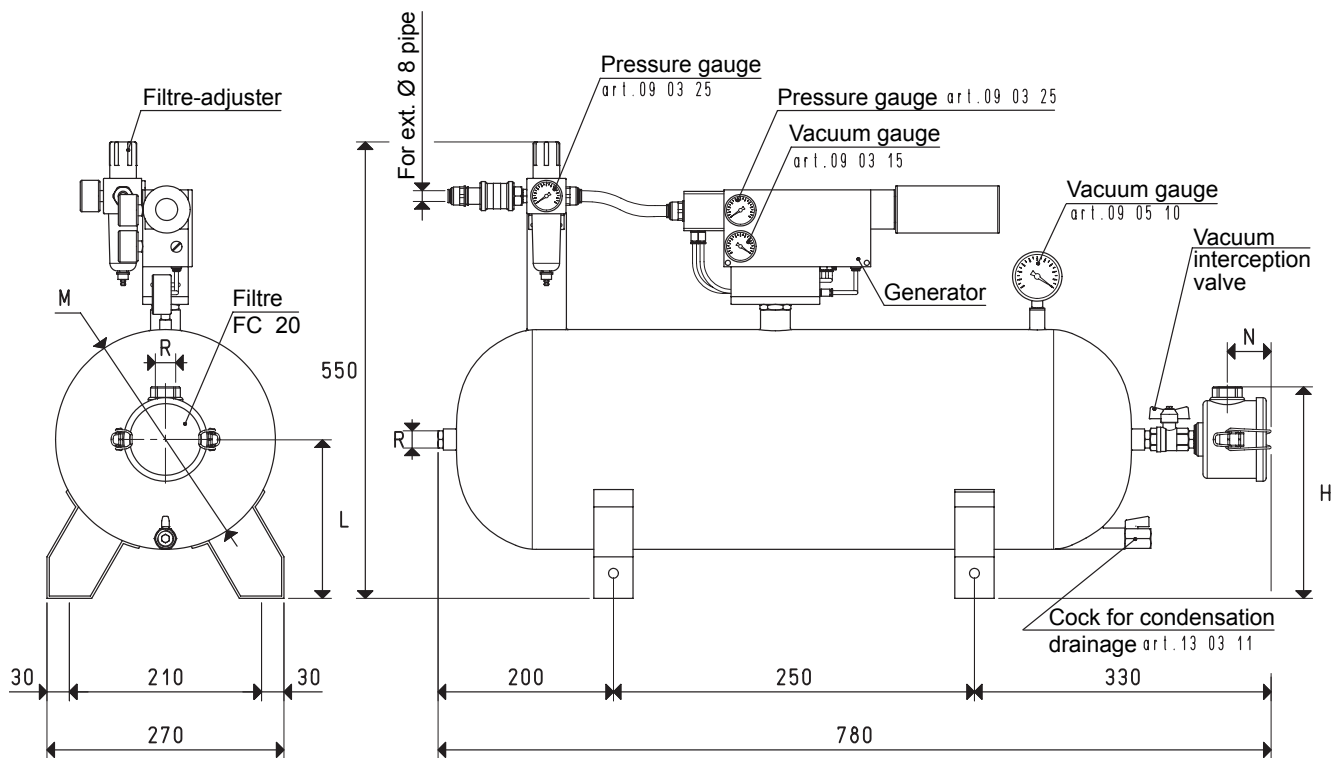
Pneumatic pumpsets are independent vacuum units fed exclusively by compressed air.

They are composed of:

- A welded sheet steel tank.
- A compressed air-operated vacuum generator PVP ... MDX ES, equipped with an energy saving device.
- A vacuum gauge for a direct reading of the vacuum level.
- A manual valve for vacuum interception.
- A suction filtre with an FC paper cartridge.
- A pressure adjuster equipped with filtre.
- A sleeve valve for compressed air interception.
- A cock for draining condensation from the tank.

the vacuum level in the tank, previously set with the vacuum switch, is automatically maintained. Pneumatic pumpsets are normally used for handling particularly heavy or valuable loads, since even in case of a sudden power supply failure, they allow the vacuum cups to maintain the grip for a certain amount of time (which varies according to the tank capacity). They are recommended for connecting several applications to centralise the vacuum. In any case, the use of the pumpset offers a great advantage under an energy-saving point of view, since the generator operates only when vacuum is required by the application.

Pneumatic pumpsets require no electricity, only compressed air at a 4 ÷ 6 bar (g) pressure. For this feature, they are recommended in hazardous environments where an ignition source would be dangerous.



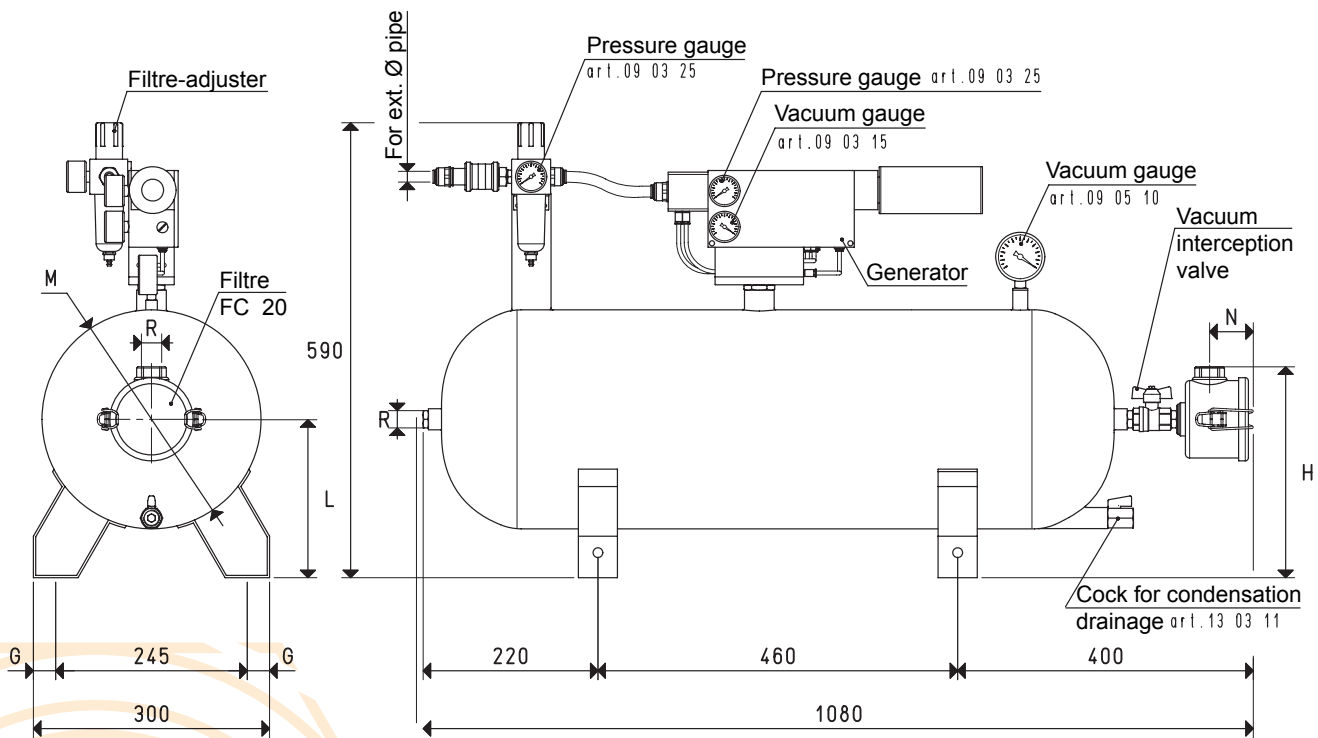
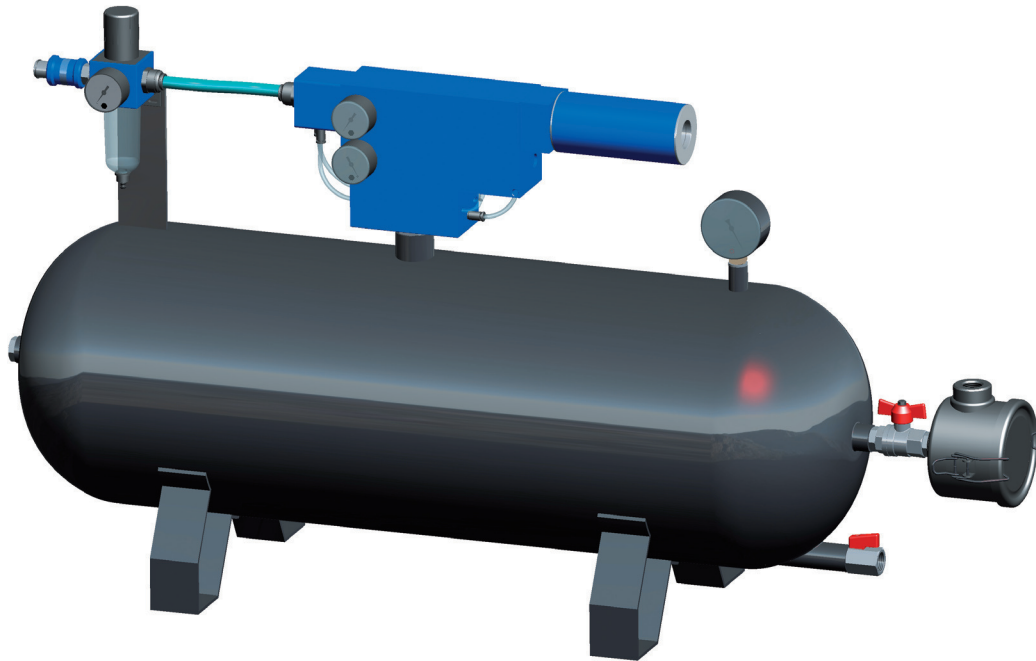
Art.	Tank	Generator	Pneumatic device	H	L	M	N	R	Weight
	Litres	art.	art.			Ø		Ø	Kg
<b>DOP 25 PVP 25 MDX</b>	25	PVP 25 MDX ES	DOP 20 90	225	185	240	51	G1/2"	15.9
<b>DOP 25 PVP 35 MDX</b>	25	PVP 35 MDX ES	DOP 20 90	225	185	240	51	G1/2"	16.0

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

GAS-NPT thread adapters available at page 1.117

8.99

# PNEUMATIC PUMPSETS DOP 50



3D drawing available at [www.vuotecnica.net](http://www.vuotecnica.net)

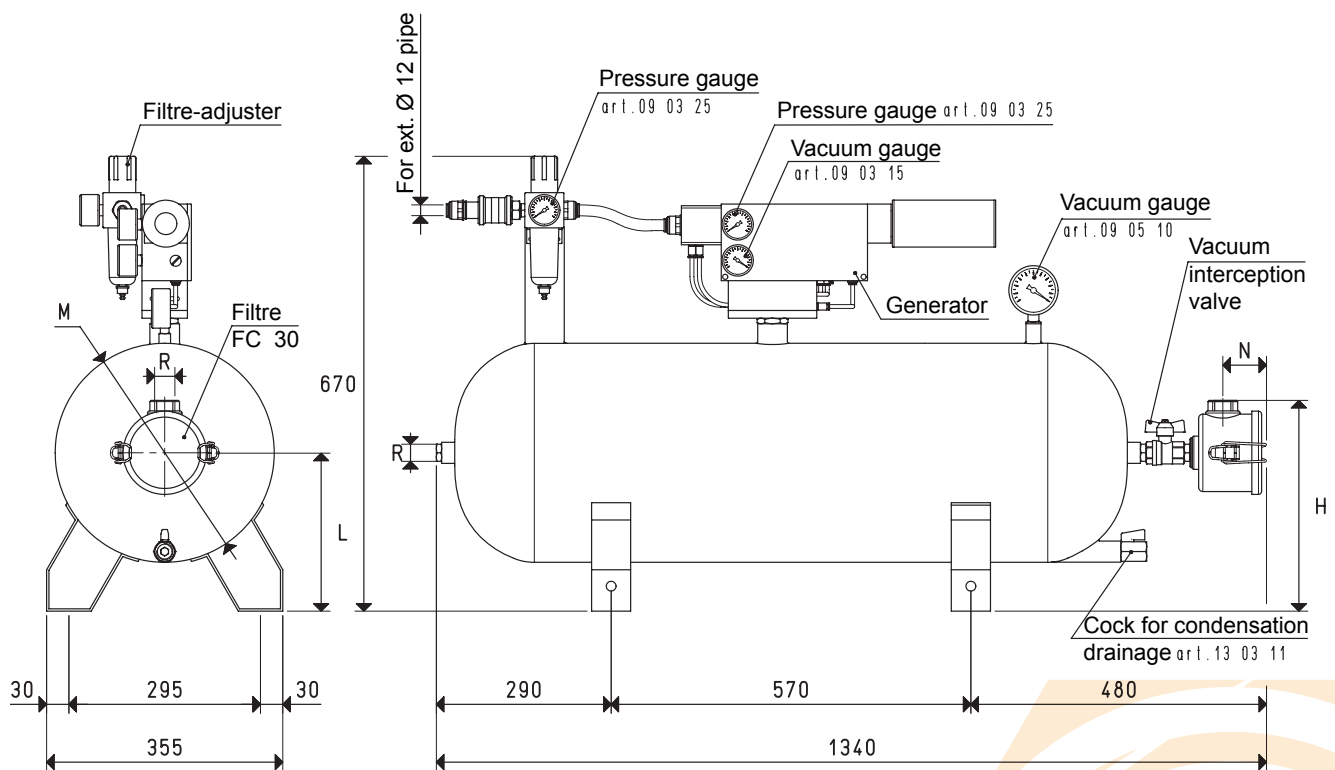
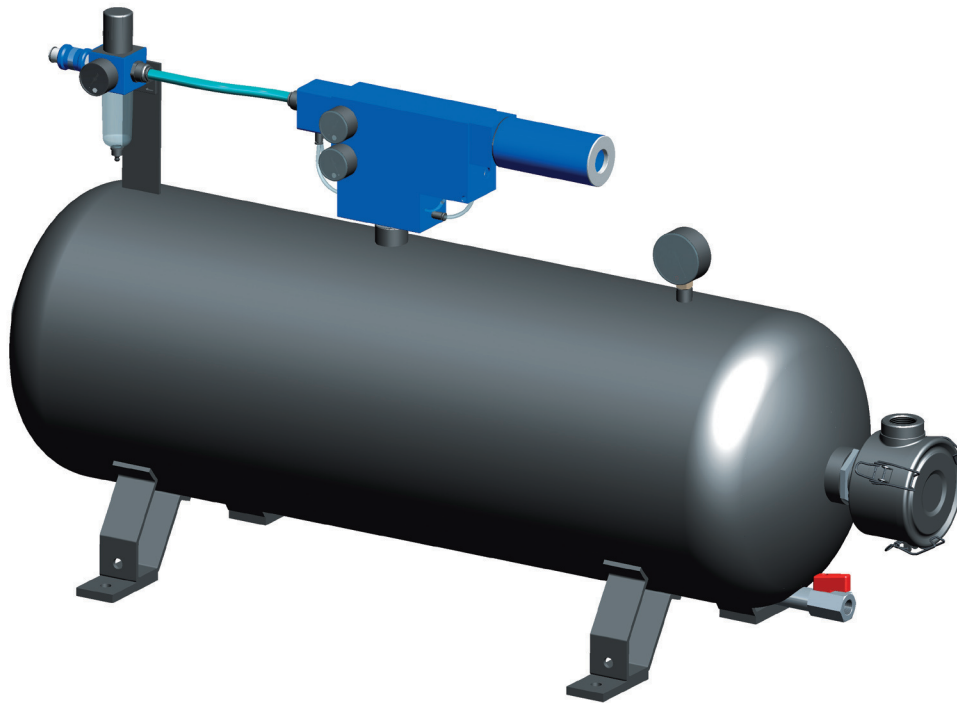
Art.	Tank	Generator	Pneumatic device	G	H	L	M	N	R	Hose ext. Ø	Weight
Litres	Litres	art.	art.				Ø		Ø	Ø	Kg
<b>DOP 50 PVP 50 MDX</b>	50	PVP 50 MDX ES	DOP 20 90	27.5	245	205	280	51	G1/2"	8	18.9
<b>DOP 50 PVP 60 MDX</b>	50	PVP 60 MDX ES	DOP 50 90	27.5	245	205	280	51	G1/2"	12	19.7

8.100

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# PNEUMATIC PUMPSETS DOP 100



Art.	Tank	Generator	Pneumatic device	H	L	M	N	R	Weight
	Litres	art.	art.			Ø		Ø	Kg
<b>DOP 100 PVP 75 MDX</b>	100	PVP 75 MDX ES	DOP 50 90	300	255	350	41	G1"	31.0

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

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# PNEUMATIC PUMPSETS DOP 150 and DOP 300

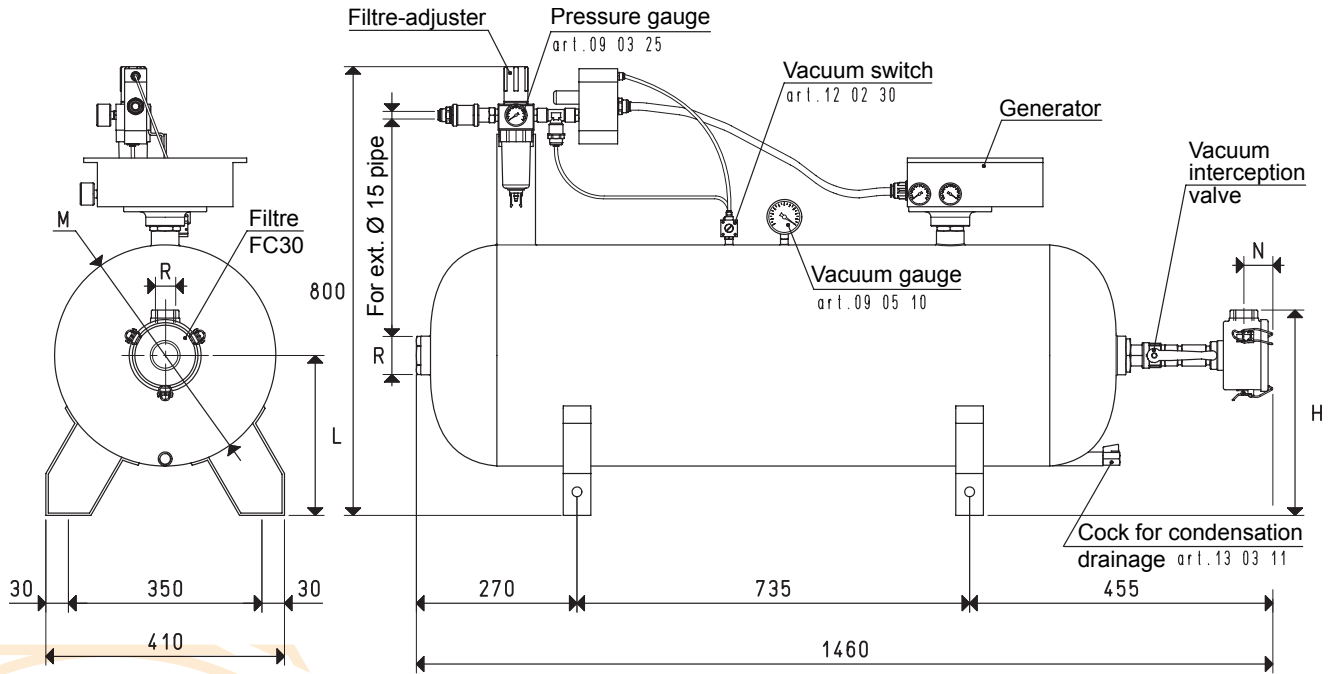
Pneumatic pumpsets are independent vacuum units fed exclusively by compressed air.

They are composed of:

- A welded sheet steel tank.
- A compressed air-operated vacuum generator.
- A pneumatic vacuum switch for adjusting the vacuum level.
- Un vacuum gauge for a direct reading of the vacuum level.
- A manual valve for vacuum interception.
- A suction filtre with an FC paper cartridge.
- A pressure adjuster equipped with filtre.
- A pneumatic activation valve for the vacuum generator supply.
- A sleeve valve for compressed air interception.
- A cock for draining condensation from the tank.

the vacuum level in the tank, previously set with the vacuum switch, is automatically maintained. Pneumatic pumpsets are normally used for handling particularly heavy or valuable loads, since even in case of a sudden power supply failure, allow the vacuum cups to maintain the grip for a certain amount of time (which varies according to the tank capacity). They are recommended for connecting several applications to centralise the vacuum. In any case, the use of the pumpset offers a great advantage under an energy-saving point of view, since the generator operates only when vacuum is required by the application.

Pneumatic pumpsets require no electricity, only compressed air at a 4 ÷ 6 bar (g) pressure. For this feature, they are recommended in hazardous environments where an ignition source would be dangerous.



Art.	Tank	Generator	Pneumatic device	H	L	M	N	R	Weight
	Litres	art.	art.			Ø		Ø	Kg
<b>DOP 150 PVP 150 MD</b>	150	PVP 150 MDR	DOP 150 90	360	280	400	41	G1"	40.2

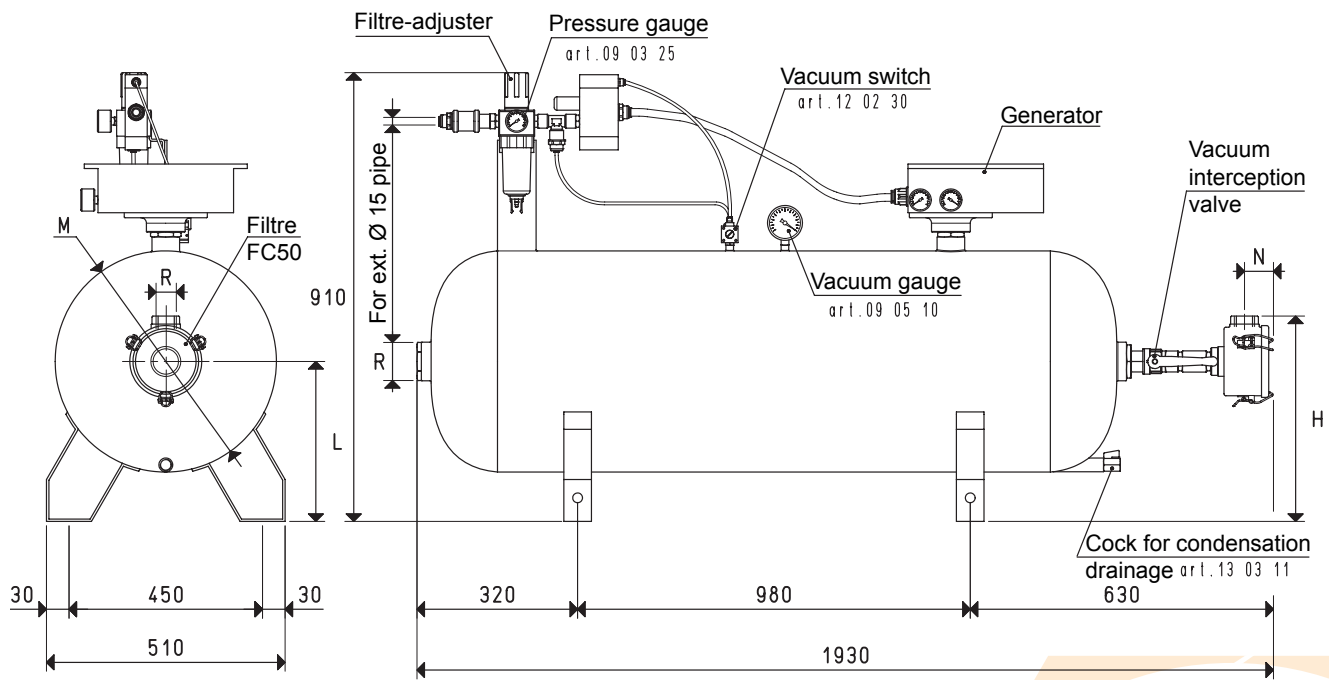
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Conversion ratio: inch =  $\frac{\text{mm}}{25.4}$ , pounds =  $\frac{\text{g}}{453.6}$  =  $\frac{\text{Kg}}{0.4536}$

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# PNEUMATIC PUMPSETS DOP 300



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Art.	Tank	Generator	Pneumatic device	H	L	M	N	R	Weight
	Litres	art.	art.			Ø		Ø	Kg
<b>DOP 300 PVP 300 MD</b>	300	PVP 300 MDR	DOP 150 90	440	340	500	45	G1"1/2	41.2

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

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8.103

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