

Piston cylinder sets for high end piston gauges

MNR 520-XX / MNR 530-XX PISTON CYLINDER SETS

The piston cylinder system is the heart of the pressure balance and the key to its performance and hydraulic operation. Add pressure capability for your existing pressure balance by adding piston/cylinder(s). This cost-effective Minerva piston cylinder fits in many pressure balances!

- Compatible with Desgranges & Huot 5000 series pressure balances
- Compatible with Wika CBP6000 & CPB6000-D pressure balances
- Simple plug & play solution
- Reduced investment to maintain your current pressure balance in operation
- Expand your measurement capabilities



Different sizes

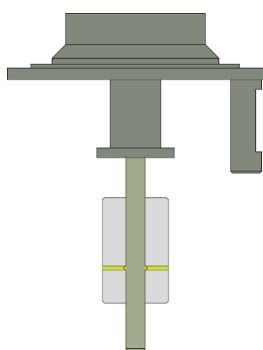
There are 5 different sizes of Minerva piston cylinders in diameter ranges between 2.3 - 10 mm. The benefit is that you can select the one which is best for your desired pressure range and further requirements.

The small diameters give a high pressure to mass reducing excessive amounts of masses and related labour and keeps the total system as compact as possible.

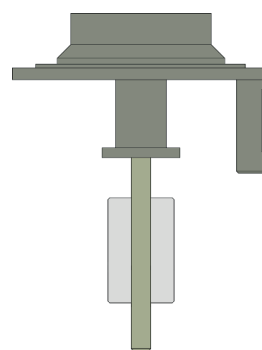
AVAILABLE MODELS

Minerva piston cylinders are available in two versions:

MNR 520-PCxxx is intended for pneumatic operation with liquid lubrication with Desgranges et Huot 5200 series or Wika model CPB6000-PX pressures balances.

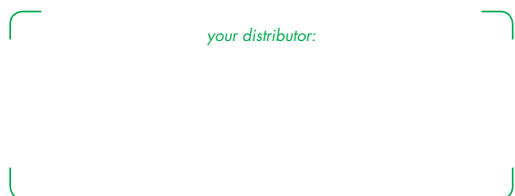


MNR 530-PCxxx is intended for hydraulic operation with Desgranges et Huot 5300 series or Wika MODEL CPB6000-HL / CPB6000-HX pressure balances.



The piston cylinder systems for pneumatic operation with liquid lubrication have a groove set into the inner bore to which liquid is supplied through two radial holes.

Specifications				
Material		Piston	Tungsten carbide	
		Cylinder	Tungsten carbide	
Gas operated oil lubricated piston cylinders				
nominal mass to pressure conversion		medium	uncertainty in Aeff	Ordering code
125	kPa/kg	gas	0,0070%	MNR-520-PC125K
250	kPa/kg	gas	0,0050%	MNR-520-PC250K
500	kPa/kg	gas	0,0050%	MNR-520-PC500K
1,25	MPa/kg	gas	0,0050%	MNR-520-PC1,25M
2,5	MPa/kg	gas	0,0070%	MNR-520-PC2,5M
Oil operated piston cylinders				
nominal mass to pressure conversion		medium	uncertainty in Aeff	Ordering code
125	kPa/kg	oil	0,0070%	MNR-530-PC125K
250	kPa/kg	oil	0,0050%	MNR-530-PC250K
500	kPa/kg	oil	0,0050%	MNR-530-PC500K
1,25	MPa/kg	oil	0,0050%	MNR-530-PC1,25M
2,5	MPa/kg	oil	0,0070%	MNR-530-PC2,5M



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