

Pressure Pumps Pressure References Pressure Calibrators



Pneumatic Hand Pressure Pump P40.2 and P60

The P40.2 and P60 hand pumps are compact, lightweight and portable calibration pumps for pressure and vacuum.

The pneumatic pumps allow very simple and exact operation for pressure ranges from -0.95 to 40 bar or -0.95 to 60 bar.

The compact test pumps are used to check, adjust and calibrate all types of pressure measuring instruments.

The pressure tests can be carried out in laboratories or workshops. The portable pressure pumps are particularly effective for on-site measurements.

Neither a power supply nor a pressure cylinder is required.

The design of the calibration pumps ensures that all the measuring instruments can be connected directly for calibration. If the instrument to be tested is connected via the supplied hose and a pressure reference instrument is screwed directly on top of the test pump, the same pressure or vacuum is applied to both instruments when the pump is operated.

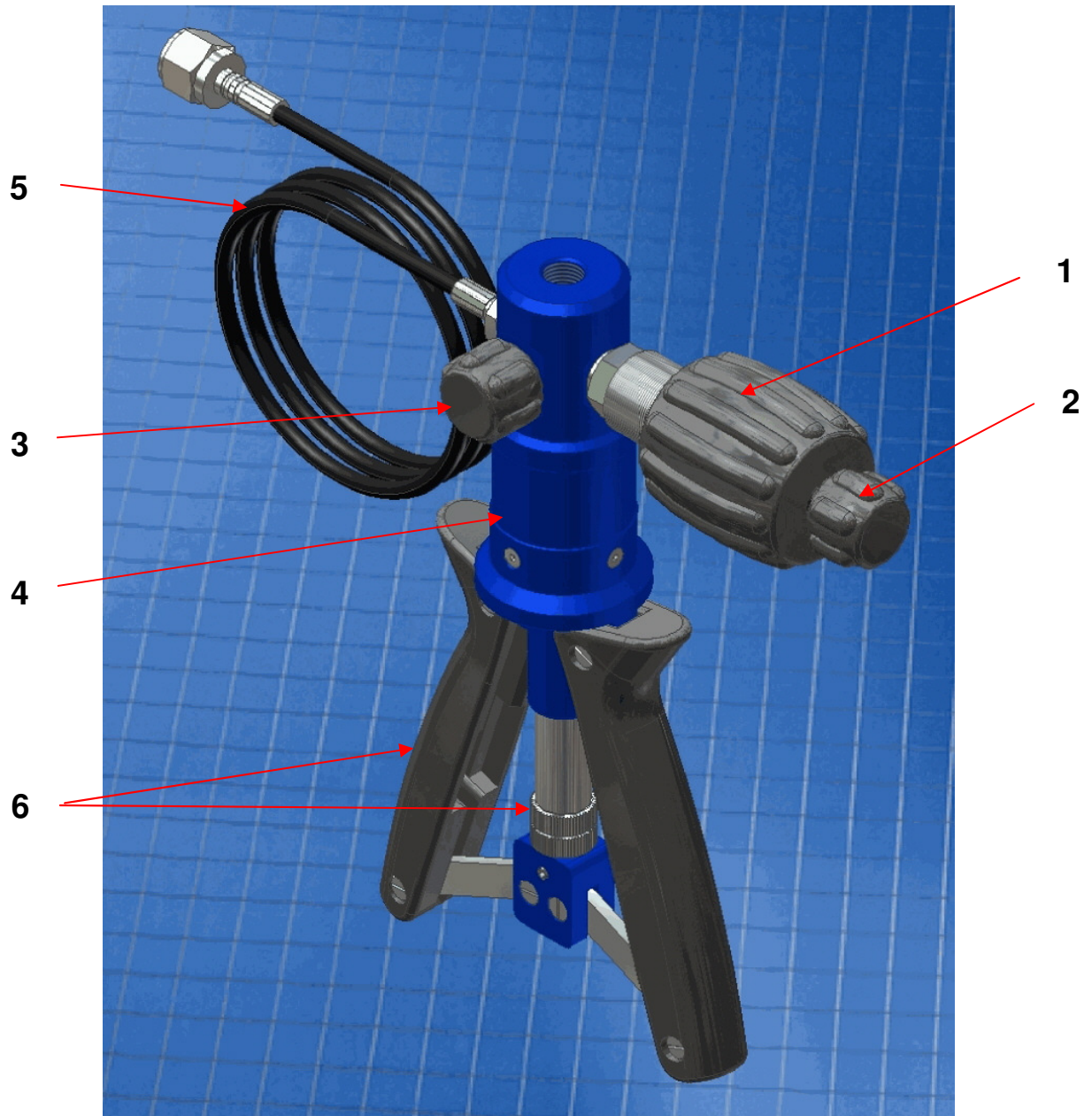
At first, the desired test pressure is generated via the hand lever and then precisely adjusted using the extremely sensitive fine adjustment valve. The pressure relief valve also allows continuous decompression to ensure accurate and simple calibration even with decreasing pressure.

By comparing the displayed value of the reference instrument and the measured value of the tested instrument, the accuracy can be verified or the pressure measuring instrument under test can be adjusted.

In addition to the actual pump with hose, all models are available with further accessories. The scope of delivery then includes the flexible hose, 11 adapters, suitable seals and a foam lined transit case.



Unique Features



① Fine adjustment valve

- Large, ergonomic adjustment device
- Improved, more precise adjustment of the pressure/vacuum (fine thread)
- Simple generation of high pressure/vacuum (larger volume)
- No risk of thread damage (metal insert)
- No unwanted disassembly possible (fixed stop)

② Pressure relief valve

- Improved, more precise adjustment of the pressure/vacuum (fine thread)
- No unwanted disassembly possible (fixed stop)

③ Change-over valve pressure/vacuum

- Simple change-over from pressure to vacuum
- No additional equipment required
- Clear, locked change-over

④ Pump body

- Simple generation of high pressure/vacuum (larger volume)
- Quicker pressure / vacuum generation (optimised dead space)
- No unwanted disassembly possible (improved connection method)

⑤ Hose

- No pressure losses due to screw connections
- Permanent pressure-resistant tube connections
- Industrial, long hose (1 m)

⑥ Handles / Push rod / Piston connection

- Ergonomic handles
- No risk of injuries
- Enclosed, optimised spring
- No additional shearing forces
- Optimised knurled nut for spring adjustment

Technical Data

		P40.2	P60
Pressure ranges	Overpressure	40 bar	60 bar
	Vacuum	-0.95 bar	-0.95 bar
Connections	Reference	G 1/4"	
	Test device	G 1/4" with quick-coupling and hose (1 m)	
Adapters	G 1/8", G 1/4", G 3/8", G 1/2" NPT 1/8", NPT 1/4", NPT 1/2" M12x1.5, M20x1.5 G 1/8"A, G 1/4"A		
Sealing set	Teflon flat seals and O-rings		
Transport case	Ribbed foam inlay with document compartment in the lid, foam lined for safe transport		
Dimensions	Pump with hose	app. 240x170x50 mm	
	Pump with accessories in the case	app. 450x370x110 mm	
Weight	Pump with hose	approx. 1.1 kg	
	Pump with accessories in the case	approx. 4.2 kg	

