

MECP2000

Portable High Pressure Pneumatic Hand Pump

Finally an alternative to hydraulic pumps or heavy nitrogen cylinders for high pressure calibration!

The new Martel/Beta high pressure hand pump is a revolutionary portable pneumatic pump that can generate pressures up to 2000 psi (140bar) and vacuum to -14 PSI (-0.9bar) quickly *and easily*. The MECP2000 uses a unique dual stage pump design where a low pressure, high volume chamber is used to pre-charge a secondary high pressure chamber. This allows the pump to reach high pressure quickly and with a minimal amount of effort. The pump motion stays smooth through the entire stroke. A precise vernier control allows pressure to be fine tuned with high resolution. The vernier chamber provides enough range so it can be used to generate low pressures (200" H₂O or 500mbar) with no pumping. Both high and low pressure calibrations can be done with one device.

General Features

- Generate -14 psi (-0.9bar) to 2000 psi (140bar) by hand
- Precision vernier allows fine adjustment at both high and low pressures
- Vent valve offers precise control and vents at the pressure connection to prevent pump contaminates
- Use as both a portable or bench-top pump
- Double output manifold with 1/4 NPT female fittings includes BSP adapters
- Extremely rugged design, will stand up to field use
- Isolation valve protects pump and increases fine control range

Applications

- High pressure calibration where hydraulic pumps are not preferable
- Eliminate the need for nitrogen cylinders or use as back-up to nitrogen
- Complete flow computer calibration solution for custody transfer applications
- Bench-top gauge comparator
- General pneumatic calibration

Specifications

Pressure range:	-14 psi (-0.9bar) to 2000 psi (140bar)
Pressure Connections:	2 x 1/4 FNPT (2 BSP adapters are included)
Size (without gauge):	21.5" x 10.6" x 4.5" / 55cm x 27cm x 11.5cm
Weight:	15 lbs (6.8 kg)

MECP2000 Ordering Information

Part Number	Description
1919967	MECP2000 High Pressure Pneumatic Test Pump with (2) 1/4" BSPP adapters, user guide, anti-seize thread lubricant and PTFE thread sealant tape
1920017	MECP2000 Kit with pump, 1010074 hose kit, BSPP adapters, user guide, anti-seize, PTFE tape in 6161255 carrying case
Optional Accessories:	
1010074	High pressure hose kit
1010075	Seal and O-ring repair kit
6161255	Rugged carrying case
80437	Gauge swivel adapter, Quik-Test style

