

PRECISION HANDHELD PUMPS FOR PRESSURE AND VACUUM CALIBRATION

HPP Series



- ✓ Pneumatic Models for Vacuum and Pressure to 41 bar (600 psi)
- ✓ Hydraulic Model for 0 to 690 bar (0 to 10,000 psi)
- ✓ Precision Vernier for Fine Adjustments
- ✓ Designed for High Reliability and High Performance

OMEGA's HPP Series precision calibration pumps are designed to provide long term reliability in harsh environments. Four models are available to cover ranges from vacuum up to 690 bar (10,000 psi). Pumps can be purchased separately or as a kit that includes a carrying case, tubing and fittings.

The HPP-100 and HPP-VAC are economical pumps designed for 0 to 6.9 bar (0 to 100 psi) or 0 to -0.95 bar (0 to -28 inHg vacuum). Both models feature dual O-rings on all pistons for smooth operation with zero leakage. A "mash proof" schrader valve replaces the needle valve commonly used for the vent.



HPP-600 pneumatic pump, shown smaller than actual size

HPP-600

The HPP-600 is a pneumatic pump that can generate both vacuum and pressure. It covers a range from -0.95 bar (28 inHg) vacuum to 41 bar (600 psi) pressure. Dual O-rings, oversized check valves, and a "mash proof" vent valve ensure smooth, trouble free operation.

HPP-VAC pneumatic pump, for ordering information see next page, shown smaller than actual size.



HPP-10K

The HPP-10K hydraulic pump can generate pressure from 0 to 690 bar (0 to 10,000 psi). It is compatible with most hydraulic fluids, oils and water. A precision stroke control adjustment allows for fast priming or shorter stroke for easier pumping at high pressure. It features a shatter proof reservoir, triple filtration system and a built-in pressure relief valve.

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PRESSURE INSTRUMENTS

PRECISION HANDHELD PUMPS

SPECIFICATIONS (HPP-100/HPP-VAC)

Range:

HPP-100: 0 to 6.9 bar (0 to 100 psi)

HPP-VAC: 0 to -0.95 bar
(0 to -28 inHg vacuum)

Connections: (2) 1/8 NPT female ports

Size: 229 L x 38 mm Dia (9 x 1.5")

Weight: 680 g (1.5 lb)

SPECIFICATIONS (HPP-600)

Range: -0.95 to 41 bar

(-28 inHg to 600 psi)

Connections: Top 1/4 BSP female,
side 1/8 BSP female (NPT adaptors
included)

Weight: 907 g (2 lb)

SPECIFICATIONS (HPP-10K)

Range: 0 to 690 bar (0 to 10,000 psi)

Connections: Top 3/8 BSP female,
side 1/4 BSP female (1/4 NPT
adaptors included)

Recommended Fluids: Distilled
water or mineral based hydraulic oil

Wetted Parts: Stainless steel,
polyurethane, PTFE and nitrile

Weight: 1.4 kg (3 lb)



HPP-10K-KIT
hydraulic pump kit,
shown smaller
then actual size.

HPP-10K-KIT includes a carrying
case, tubing with fittings, and
a fluid bottle.



To Order

PUMPS ONLY

MODEL NO.	DESCRIPTION
HPP-100	Handheld pneumatic pressure pump, 0 to 6.9 bar (0 to 100 psi)
HPP-VAC	Handheld pneumatic vacuum pump, 0 to -0.95 bar (0 to -28 inHg vacuum)
HPP-600	Handheld pneumatic vacuum/pressure pump, -0.95 to 41 bar (-28 inHg to 600 psi)
HPP-10K	Handheld hydraulic pressure pump, 0 to 690 bar (0 to 10,000 psi)

PUMP KITS (Kits include pump, carrying case, tubing with fittings)

HPP-100-KIT	HPP-100 pump, carrying case, HPP-HOSE and 64 mm (2½") gauge
HPP-VAC-KIT	HPP-VAC pump, carrying case, HPP-HOSE and 64 mm (2½") gauge
HPP-600-KIT	HPP-600 pump, carrying case and HPP-600-HOSE
HPP-10K-KIT	HPP-10K pump, carrying case, fluid bottle and HPP-10K-HOSE

ACCESSORIES (Additional Cost)

MODEL NO.	DESCRIPTION
HPP-HOSE	0.6 m (2') tubing with 1/8 NPT fittings for HPP-100 or HPP-VAC
HPP-600-HOSE	0.6 m (2') tubing with 1/8 NPT fittings for HPP-600
HPP-10K-HOSE	0.9 m (3') high pressure tubing for HPP-10K with (2) 1/4 BSPM self sealing test point adaptors
HPP-10K-FW	Replacement filters and washers for HPP-10K

Comes complete with operator's manual. Units with BSP fittings also include NPT adaptors.

Ordering Examples: **HPP-100**, handheld pressure pump, 0 to 6.9 bar (0 to 100 psi).

HPP-600-KIT, vacuum to 41 bar (600 psi) pump kit with carrying case, tubing and fittings.