

PV411A

Four in One Hand Pump

Hydraulic pressures to 10,000 psi
Pneumatic pressures to 600 psi
Vacuum to 28.5 inHg
InH₂O range pressure generation

The PV411A is a high quality field proven pressure and vacuum hand pump providing functionality never before seen in a hand held pressure source. This remarkable product replaces four conventional hand pumps and offers the following additional features:



- Unique vacuum priming function removes trapped air during hydraulic operation
- High pressure generation is accomplished with the volume adjuster eliminating the physical effort associated with conventional hand pumps
- Pressure/Vacuum selector valve also provides exceptional fine control pressure relief in both pneumatic and hydraulic modes
- Tamper proof adjustable overpressure protection valve which can be set to relieve pressures from 300 to 10,000 psi
- Removable hydraulic reservoir which can be disconnected from the pump without draining the fluid
- Reservoir safety feature with spring loaded top cover vents if inadvertently pressurized above 8 psi
- Hydraulic mode designed to operate with distilled water and/or high viscosity mineral oil
- Highly sensitive volume adjuster is used for hydraulic, pneumatic, vacuum and low pressure operation
- Built-in stroke adjuster controls the pressure/vacuum generated per stroke
- 240° swivel head for optimum viewing of reference indicators
- Internal moving parts are Teflon anodized for reduced friction and wear
- Ergonomic, rugged and lightweight design with comfortable hand grip



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PV411A-HA Hand Pump Kit
(shown with DPI 705 digital pressure gauge/indicator,
not included)

SPECIFICATION

Pressure ranges: Pneumatic: 0-600 psi
Hydraulic: 0-10,000 psi
Vacuum: 0-28.5 inHg

Hydraulic media: Designed for operation with distilled water (no alcohol), mineral oil equal to 40 wt. Note: for combined hydraulic and pneumatic operations it is recommended to use distilled water during hydraulic operation.

Materials: Stainless steel, anodized aluminum, Nitrile rubber, acrylic, PTFE, polyurethane, Delrin and nylon

Pressure connections: 1/4" NPT female

Reservoir connection: 1/4" BSP female

Reservoir volume: 100 cc

Optional large volume reservoir: 200 cc

Total weight: 2.5 lbs.

Dimensions: 10.2" L x 5.3" W x 3.7" D

PV411A-HA Hand pump kit includes:

- Heavy duty transport case with closed foam insert
- 10,000 psi high pressure hose assembly, 3 ft. length
- 2 pcs. 1/4" Male NPT adaptors
- 1 pc. 1/4" Female NPT adaptor
- 1 pc. 1/8" Male NPT adaptor
- 1 pc. 1/8" Female NPT adaptor
- 1 pc. 1/4" Male to 1/8" Female adaptor

ORDER CODES

PV411A- Hand pump only

PV411A-HA - Hand pump with accessory kit



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