

# GE Sensing

## Features

- Hydraulic pressures to 10,000 psi
- Pneumatic pressures to 600 psi
- Vacuum to 28.5 inHg
- Low pressure fine control

The PV411A is a high quality field proven pressure and vacuum hand pump providing functionality, which has never been seen before 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 PTFE anodized for reduced friction and wear
- Ergonomic, rugged and lightweight design with comfortable hand grip

# PV411A

## Druck Four-in-One Hand Pump

PV411A is a Druck product. Druck has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.



# PV411A Specifications

## General

### Pressure ranges

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

### Hydraulic media

Designed for operation with distilled water (no alcohol), mineral oil equal to 40 wt.

*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 in NPT female

### Reservoir connection

1/4 BSP female

### Reservoir volume

100 cc

### Optional large volume reservoir

200 cc



PV411A-HA hand pump kit  
(shown with DPI 104 digital test gauge, not included)

### Total weight

2.5 lb

### Dimensions (l x w x d)

10.2 in x 5.3 in x 3.7 in

### PV411A-HA Hand pump kit includes:

- Heavy duty transport case with closed foam insert
- 10,000 psi (689 bar) high pressure hose assembly, 3 ft length
- 2 pieces 1/4 in NPT male adapters
- 1 piece 1/4 in NPT female adapter
- 1 piece 1/8 in NPT male adapter
- 1 piece 1/8 in NPT female adapter
- 1 piece 1/4 in Male to 1/8 in Female adapter

## Order Codes

- PV411A hand pump only
- PV411A-HA hand pump with accessory kit



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