



# PV211

## Pneumatic pressure and vacuum pump

### Features

- Pressures to 0 to 40 bar (600 psi)
- Vacuum to 0 to -900 mbar (28.5 inHg)
- High pneumatic pressure generation with minimal effort
- Precision vernier control

The field proven PV211 is a lightweight yet high quality combined pressure and vacuum hand pump. The PV211 has been designed to provide maximum pneumatic pressures efficiently and effortlessly.

- Dual source of pneumatic pressure and vacuum
- Built-in fine adjust vernier
- Needle valve provides controlled pressure release
- Selector valve for vacuum or pressure generation
- Comfortable, ergonomically designed molded handles
- Adjustable stroke
- Extremely efficient - only four strokes to 7 bar (100 psi)

## PV211 specifications

### General

#### Ranges

Pressure 0 to 40 bar (0 to 600 psi)

Vacuum 0 to -900 mbar (0 to 28.5 inHg)

#### Materials

Nickel-plated brass, anodized aluminum, phosphorus, bronze (springs), nitrile, nylon

#### Dimensions (l x w x d)

220 mm x 105 mm x 63 mm (8.5 in x 4 in x 2.5 in)

#### Weight

650 g (1 lb)

### Accessories

#### PV-BSP-QF Set of BSP Quick Fit Adaptors

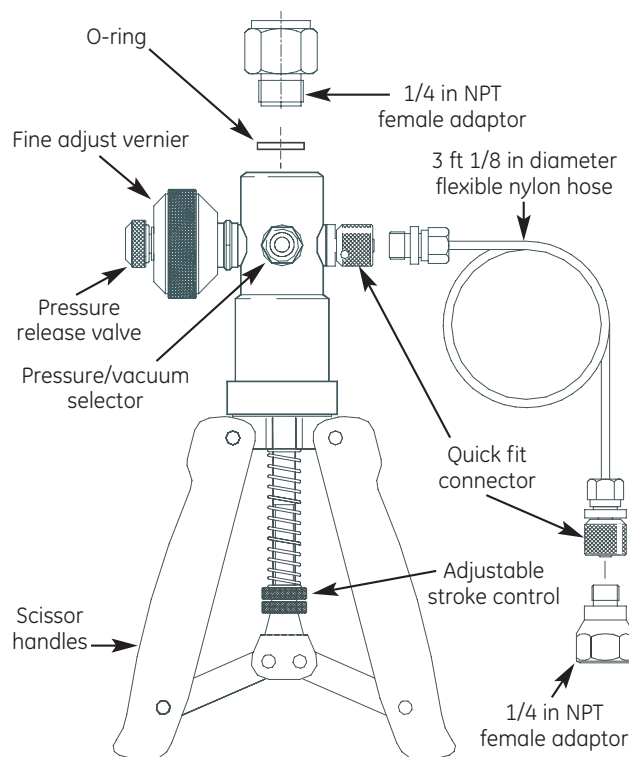
Set of quick connectors

- 1/8" BSP Male to 1/8" BSP Female Adaptor (stainless steel 303)
- 1/8" BSP Male to 1/4" BSP Female Adaptor (stainless steel 303)
- 1/8" BSP Male to 3/8" BSP Female Adaptor (stainless steel 303)
- 1/8" BSP Male to 1/2" BSP Female Adapter (brass, nickel)
- 1/8" BSP Male to 1/8" BSP Male Adapter (stainless steel 303)
- 1/8" BSP Male to 1/4" BSP Male Adapter (stainless steel 303)
- 1/4" BSP Male to 1/8" BSP Male Adapter (stainless steel 303)
- 1/4" BSP Male to 1/4" BSP Male Adapter (stainless steel 303)

#### PV-NPT-QF Set of NPT Quick Fit Adaptors

Set of quick connectors

- 1/8" BSP Male to 1/8" NPT Female Adaptor (brass, nickel)
- 1/8" BSP Male to 1/4" NPT Female Adaptor (brass, nickel)
- 1/8" BSP Male to 3/8" NPT Female Adaptor (brass, nickel)
- 1/8" BSP Male to 1/2" NPT Female Adaptor (brass, nickel)
- 1/8" BSP Male to 1/8" NPT Male Adapter (brass, nickel)
- 1/8" BSP Male to 1/4" NPT Male Adapter (brass, nickel)
- 1/4" BSP Male to 1/8" NPT Male Adapter (stainless steel 303)
- 1/4" BSP Male to 1/4" NPT Male Adapter (stainless steel 303)



#### PV211-HK Complete Hose Assembly

Replacement Quick Connect hose assembly

- 1/8" BSP Male to 1/8" BSP Female Adaptor (stainless steel 303)
- 1/8" BSP Male to 1/4" BSP Female Adaptor (stainless steel 303)
- 1/8" BSP Male to 1/8" NPT Female Adaptor (brass, nickel)
- 1/8" BSP Male to 1/4" NPT Female Adaptor (brass, nickel)

#### PV211-TC: Transit Case

Robust, lightweight hard-shell case with foam trays and nylon sealing kit for hand pump

## Ordering information for PV211

### P/N PV211 Pneumatic Hand Pump – BSP

Hand pump, 3 ft 1/8 in diameter nylon hose with 1/4 in NPT female and BSP fittings

### P/N PV211-14 Pneumatic Hand Pump – NPT

Hand pump, 3 ft 1/8 in diameter nylon hose with 1/4 in NPT female and NPT fittings

### P/N PV211-P Pump and Pneumatic Kit – BSP

Hand pump in carrying case (with space for gauge), 3 ft 1/8 in diameter flexible nylon hose, adapters and accessories

### P/N PV211-14-HA Pneumatic Vacuum Pressure Pump Kit – NPT

Hand pump in carrying case (with space for gauge), 3 ft 1/8 in diameter flexible nylon hose, adapters and accessories

Use this table to order "PV211-104" (Pump supplied in Transit case with relevant adaptor kit, hoses, PRV and DPI104)

#### PV211 PV211 Pneumatic Hand Pump

-104 DPI104 Safe Area Gauge

-104S DPI104-IS Hazardous Area Gauge

**P: Pneumatic** (Pump supplied in Transit case with relevant adaptor kit, hoses, PRV, and DPI104/104S)

-1 BSP

-2 NPT

-10A 7 bar absolute

-10G 7 bar gauge

-13A 20 bar absolute

-13G 20 bar gauge

-16A 70 bar absolute

-16G 70 bar gauge

PV211- 104- P- 1- 10A (Typical model number)

Other examples may be:

PV211-104-1-16A (Pump Kit with BSP Fittings & DPI104)

PV211-104S-2-16A (Pump Kit with NPT Fittings & DPI104-IS)

## Options

### UKAS Calibration

We also offer UKAS accredited calibrations on the DPI104 Series, please advise at the time of order placement if required.

### Accessories

Please state any accessories required as separate items when placing order:

Part number	Description
PV-BSP-QF	Set of BSP Quick Fit Adaptors
PV-NPT-QF	Set of NPT Quick Fit Adaptors
PV211-HK	Complete Hose Assembly
PV211-TC	Transit Case
PV211-SK	Service Seal Kit