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

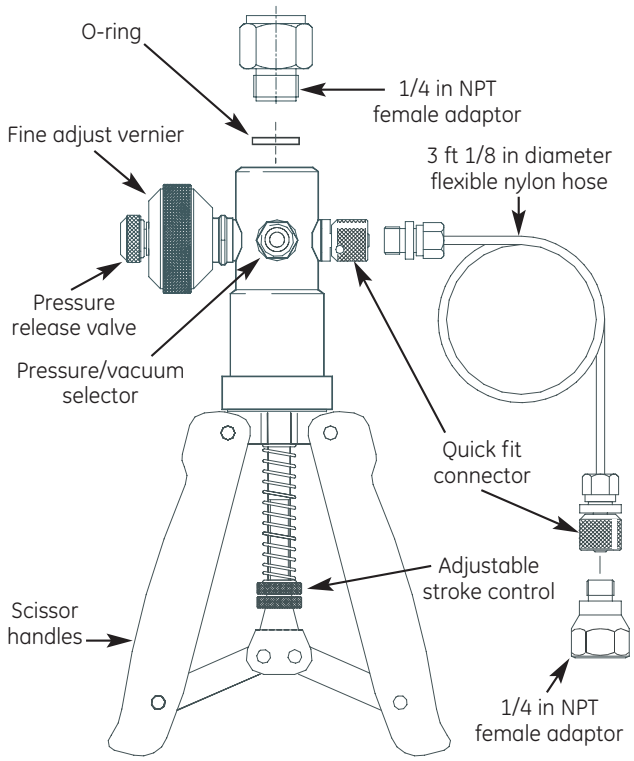
Set of quick connectors

- 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

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