

## The PV621, 622 and 623 pressure generating stations

### Features

- A uniquely capable, re-rangeable and self contained pressure test system
- Advanced pressure generation
  - 95% vacuum to 20 bar (300 psi) pneumatic
  - 95% vacuum to 100 bar (1,500 psi) pneumatic
  - 0 to 1000 bar (15,000 psi) hydraulic
- Stand-alone replacements for hand pumps
- Bench top use as comparators
- Safe and hazardous area versions available

There are three pressure generation stations: the PV621, a pneumatic pressure generator for pressures 95% vacuum to 20 bar (300 psi); the PV622, a pneumatic pressure generator for pressures 95% vacuum to 100 bar (1,500 psi); and the PV623, a hydraulic pressure generator for pressures up to 1,000 bar (15,000 psi). Each pressure station is designed for stand-alone operation as a pressure generator and can replace conventional hand pumps to provide greater efficiency and ease of use. They can also be used on the workbench as comparators.

Combining any of the pressure stations with a PM620 pressure module and the DPI620 calibrator creates a uniquely capable, self-contained pressure calibrator.

### PV621G, PV622G and PV623G specification

Maximum pressure	PV621G 20 bar (300 psi) pneumatic PV622G 100 bar (1,500 psi) pneumatic PV623G 1,000 bar (15,000 psi) hydraulic
Pressure media	PV621G and PV622G non-corrosive gases, PV623G de-mineralized water or mineral oil (ISO viscosity grade < 22)
Operating temperature	-10° to 50°C (14° to 122°F) For water +4 to +50°C (39 to 122°F)
Storage temperature	-20 to 70°C (-4 to 158°F) (must be empty of water)
Shock and vibration	BS EN 61010-1:2010; MIL-PRF-28800F for Class II equipment, 1 m drop tested
Pressure safety	Pressure equipment directive class SEP
Size and weight	450 mm x 280 mm x 235 mm, PV621G 2.65 kg, PV622G 3.30 kg, PV623G 3.75 kg

### PV621-IS, PV622-IS and PV623-IS specification (where different from above table)

Maximum pressure	PV621-IS 20 bar (300 psi) pneumatic PV622-IS 100 bar (1,500 psi) pneumatic PV623-IS 1,000 bar (15,000 psi) hydraulic
Operating temperature	-10 to 40°C (14 to 104°F)
Approval	CE Marked ATEX and IECEx intrinsically safe: Ex II 2G Ex ia IIC T4 Gb (-10°C ≤ Ta ≤ +40°C) ETL intrinsically safe (US and Canada): Class I, Zone 1, AEx ia IIC T4 (-10°C ≤ Ta ≤ +40°C)



PV622G



PV622-IS

**Model PV621G**

Pneumatic pressure generating station vacuum to 20 bar (300 psi)

**Model PV622G**

Pneumatic pressure generating station vacuum to 100 bar (1,500 psi)

**Model PV623G**

Hydraulic pressure generating station 0 to 1,000 bar (15,000 psi)

The PV621G, 622G and 623G are supplied with G1/8 female and 1/8 NPT female adapters carry strap, and quick reference guide. In addition, the PV623G includes a plastic refill bottle for hydraulic fluid.

**Model PV621-IS**

Intrinsically safe pneumatic pressure generating station vacuum to 20 bar (300 psi)

**Model PV622-IS**

Intrinsically safe pneumatic pressure generating station vacuum to 100 bar (1,500 psi)

**Model PV623-IS**

Intrinsically safe hydraulic pressure generating station 0 to 1,000 bar (15,000 psi)



The PV621-IS, 622-IS and 623-IS are supplied with G1/8 female and 1/8 NPT female adapters carry strap, and quick reference guide. In addition, the PV623-IS includes a plastic refill bottle for hydraulic fluid.

