

Pressure Test KIT for boilers safety check

The PGS40 Kits are the ideal tool for testing and certifying boiler safety pressure valves on appliances which produce steam in commercial environments. This is part of the H.S.E's pressure vessels act currently in force in the UK. This kit particularly suits the need of engineers servicing coffee machines.

Technical data sheet

The PGS40 pressure test kit can be configured with a choice of three different pressure gauges to match your specific needs, both digital and analogue.

The Pressure test kit is supplied with all the necessary adapters to connect to the appliance under test, a pressure pump for generating the require pressure, a reference gauge with calibration certificate and an all in house carrying case for transport.

Pumps Highlights

- Easy to use Pressure test pump with dual range from -1 to 40 bar
- Fine adjustment for easy pressure control
- Pressure relief valve for controlled pressure release
- Pump stroke limiter to protect reference gauge and unit under test
- All the necessary adapter to connect to pressure vessel
- Easy to service

Reference Analogue gauge highlights

- **Fine graduation** and easy to read 100 mm reference test gauge with **0.6 % FS accuracy**
- Choice of 2.5, 4 ,10, 16, 25 or 40 bar range
- Individual serial number printed on dial

Digital Pressure Gauge Highlights

- Accuracy 0,2 % FS
- Resolution 0.01 bar
- Easy to read large display with bar graph
- Ranges: -1 to 20 bar or -1 to 40 bar
- 5 selectable pressure units
- Min/Max/Tare/zero function
- Backlight display

Operation

The desired pressure can simply be achieved by squeezing the scissor handle sand/or using the volume control. The Pressure reference gauge is connected to the top of the pump using a swivel adapter to allow orientation.

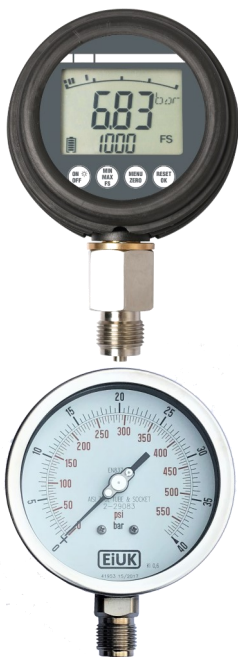
The device under test (pressure safety valve for instance) is connected to the end of the test hose, using the 3/8" BSP F adapter.



Specifications

Pump Specification	
Pressure Range	0 to 40 bar switchable to
Vacuum Range	- 95 % of Vacuum
Pressure Media	Air
Material	Aluminium, brass, ABS
Reference Port connection	1/2 " BSP F swivel rotating
Test Point connection	1/4 " BSP female rotating
Test Hose	30 cm hose, replaceable
Adapter Set	1/4" BSP, 3/8" BSP F, 1/2" BSP, 1/8" BSP F
Case	ABS case with customised foam and lead for document
KIT dimension/weight	38x,20x10 cm, 2,7 Kg, including pump, adapter, gauge and case

P10 Digital Pressure Indicator	
Pressure Range	-1 to 25 or -1 to 40 bar
Accuracy	0.2 % FS
Resolution	0.01 bar
Selectable Unit	Bar, mbar, Kpa, psi, Kg/cm2
Connection	1/2 " BSP M for direct mounting on pump
Material (case)	ABS
Functions	Max/Min/Tare/Zero/Backlight/bar graph
Power	Alkaline batteries AA
Calibration Certificate	Includes as standard



P10 Digital indicator

G11 Analogue Gauge

Analogue Gauge Specifications	
Pressure Range	0 to 2,5 bar, 0 to 4 bar or 0 to 10 bar, 0 to 16 bar, 0-25 bar and 0-40 bar
Accuracy	0.6 % Full scale EN 837-1
Dial Graduation	0.02 bar on 0-2.5 bar range 0.05 bar on 0-4 bar range 0.1 bar on 10 bar range
Diameter	100 mm
Connection	1/2 " BSP M for direct mounting on pump
Material (case)	Stainless steel
Material (movement)	Stainless steel
Material Wetted part	Stainless steel
Material (dial)	Aluminium with marked serial number
Pointer	Adjustable, aluminium

Ordering Information

Part number/model	Description
PGS40-P-BSP	Pressure Test Kit supplied with pump, 4 set of adapters, case

Reference Gauge (analogue)- Certificate additional

G11-0205	G11 Analogue gauge, 0-2.5 bar
G11-0004	G11 Analogue gauge, 0-4 bar
G11-0010	G11 Analogue gauge, 0-10 bar
G11-0016	G11 Analogue gauge, 0-16 bar
G11-0025	G11 Analogue gauge, 0-25 bar
G11-0040	G11 Analogue gauge, 0-40 bar

Reference Gauge Digital (certificate included)

P10-25G	Digital Pressure Indicator, -1 to 25 bar
P10-40G	Digital Pressure Indicator, -1 to 40 bar

Options

PGS-A-G14A-G18A	1/4" BSPM to 1/8 BSP M adapter
NPL-CAL-1	Traceable calibration certificate for analogue gauge only
UKAS-CAL-1	UKAS calibration certificate

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Specification might change without notice