

Premium stainless steel fillable pressure gauge



Product features:

- Stainless steel 316/316L/Monel wetted parts
- 1% accuracy (0.5% optional)
- · Connection and case welded
- Ingress protection IP 67
- · Silicone, glycerine or halocarbon filling available
- · Wide choice of pressure ranges
- · For harsh and corrosive environments and pressure media
- · Range of associated accessories available
- Brannan quality and accuracy

Applications:

- · Chemical and petrochemicals
- Heating, ventilation, air-conditioning
- Food and beverage industry
- Machine and apparatus construction
- Pumps, compressors, hydraulic presses
- · High humidity installations

- · Oil and gas
- · Pulp and paper industry
- Pneumatics
- Hydraulics
- · Outdoor installations

Standard product specifications:

PG040

Standards & categories Design Safety category Gauge construction Case Connection orientation Connection material Bezel Pointer Measuring principle Movement Window Ranges & parameters Dial diameters Ranges Thread size Accuracy class Filling Working pressure Operating temperature Operating temperature Protection Temperature Protection Temperature Protection Temperature Protection Temperature Polico Ranges temperature Protection Temperature Protection Temperature Poptional extras Calibration Accessories Optional extras Calibration Accessories Design Safety category Gauge construction Stainless steel 304 (316 available on request) Stainless steel 316 welded to case (optional SS 316L, Monel or Hastelloy-C276) Stainless steel 316 welded to case (optional SS 316L, Monel or Hastelloy-C276) Stainless steel 304 Temperature back Stainless steel 316 (optional SS 316L, Monel or Hastelloy-C276) Stainless steel 304 Temperature steel 305 Temperature steel 304 Temperature steel 304 Temperature steel steel 305 Temperature steel 305 Temperature steel 305 Temperature steel 306 Te				
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Tempered safety glass (laminated safety glass optional) Ranges & parameters	Measuring principle	Bourdon tube stainless steel 316 (optional SS 316L, Monel or Hastelloy-C276)		
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Filling Working pressure Operating temperature Operating temperature Operating temperature	Thread size	1/8", 1/4", 3/8" & 1/2" BSP/NPT/BSPT (others available on request)		
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-7 to +60°C (glycerine filled) Medium: -40 to +200°C (dry),	Working pressure	Steady: 75% full scale range, fluctuating: 60% full scale range, short time: full scale range		
Medium: -40 to +200°C (dry),	Operating temperature	Ambient: -40 to +60°C (dry, silicone filled or halocarbon filled),		
-10 to +100°C (silicone filled or halocarbon filled), -7 to +60°C (glycerine filled) Storage temperature Protection Temperature effect When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling Optional extras Calibration UKAS certification, certificate traceable to recognised national standard or statement of conformity		-7 to +60°C (glycerine filled)		
-7 to +60°C (glycerine filled) Storage temperature Protection Temperature effect When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling Optional extras Calibration UKAS certification, certificate traceable to recognised national standard or statement of conformity		Medium: -40 to +200°C (dry),		
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Optional extras Calibration UKAS certification, certificate traceable to recognised national standard or statement of conformity	Temperature effect When temperature of the pressure element deviates from reference			
Calibration UKAS certification, certificate traceable to recognised national standard or statement of conformity		temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling		
-	Optional extras			
Accessories Syphon, needle valve, gauge cock, snubber	Calibration	-		
	Accessories	Syphon, needle valve, gauge cock, snubber		
	-			





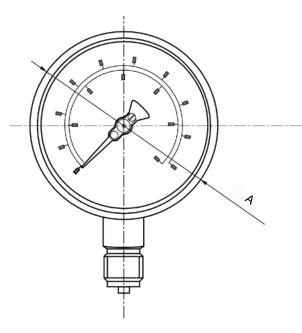
Premium stainless steel fillable pressure gauge

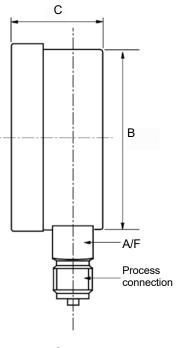
Max working pressure per connection type (for SS 316 material):

Thread	Max pressure
1/8" BSP/NPT	400 bar
1/4" BSP/NPT	1000 bar
3/8" BSP	1000 bar
1/2" BSP	1600 bar
1/2" NPT	1000 bar
9/16-18 UNF-2B (F)	2500 bar

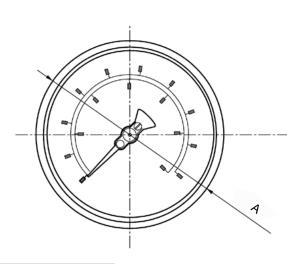
Dimensions:

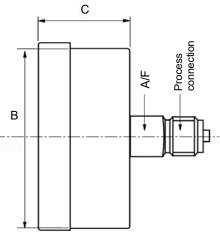
Bottom entry





Back entry





Dial diameter	ØA	ØB	С
63mm (2.5") 68.6mm		61.6mm	33.0mm
100mm (4.0")	109.0mm	95.5mm	49.0mm
115mm (4.5")	127.0mm	114.5mm	49.0mm
150mm (6.0")	166.0mm	152.0mm	49.0mm





Premium stainless steel fillable pressure gauge

Product numbers:

The following PG040 pressure gauges are usually kept in stock at Brannan and can therefore be ordered on the below numbers. These gauges are all 1/2" BSP bottom connection.

The following PG040 pressure gauges are bar dominant:
Bar outer scale - black
psi inner scale - red

Range	Ø100mm (4.0")			
	Dry	Glycerine filled		
0 to 6 bar & psi	37/893/0	37/893/5		
0 to 10 bar & psi	37/894/0	37/894/5		
0 to 16 bar & psi	37/895/0	37/895/5		

The following PG040 pressure gauges are psi dominant: psi outer scale - red Bar inner scale - black

Range	Range Ø100mm (4.0")		Ø115m	m (4.5")	Ø150mm (6.0")		
	Dry	Gly. filled	Dry	Gly. filled	Dry	Gly. filled	
0 to 160 psi & bar	35/405/1	35/405/5	35/435/1	35/435/5	35/465/1	35/465/5	
0 to 230 psi & bar	35/406/1	35/406/5	35/436/1	35/436/5	35/466/1	35/466/5	
0 to 300 psi & bar	35/407/1	35/407/5	35/437/1	35/437/5	35/467/1	35/467/5	
0 to 400 psi & bar	35/408/1	35/408/5	35/438/1	35/438/5	35/468/1	35/468/5	



Premium stainless steel fillable pressure gauge

Other PG040 dials are ordered to specific customer specifications. Please use matrix below to create your unique ordering product reference.

Make	Model	Dial	Ranges	Units	Connection	Connection	Filling	Extras
Brannan (BRN)	PG040 (PG40)	diameter 63mm (2.5") (63) 100mm (4.0") (100) 115mm (4.5") (115) 150mm (6.0") (150)	-1 to 24 bar (-1+24) -30 to 350 Hg/Psi (-30+350) through to 0 to 2500 bar (0+2500) 0 to 36250 Psi (0+36250)	Bar only (black) (B) Psi only (black) (P) Bar outer (black) psi inner (red) (BP) Psi outer (red) / bar inner (black) (PB) kPa outer (black) Psi inner (red) (KP) Psi outer (red) / kPa inner (black) (PK) Megapascals (black) (MPA)	1/8" BSP ₁ (1) 1/8" NPT ₁ (2) 1/4" BSP ₁ (3) 1/4" NPT ₁ (4) 3/8" BSP ₂ (5) 3/8" NPT ₂ (6) 1/2" BSP ₂ (7) 1/2" NPT ₂ (8) 1/8" BSPT ₁ (10) 3/8" BSPT ₂ (11) 1/2" BSPT ₂ (12) M20 x 1.5 ₂ (13) 9/16-18 UNF-2B (Female) (20)	Bottom (BO) Centre back (CB) Lower back (LB)	Dry No filling (D) Glycerine (G) Sillicone (S) Halocarbon (H)	Laminated safety glass window (LG) Front flange (FF) Back flange (BF) U clamp (UCL) 316L wetted parts (316L) Monel wetted parts (MON) Hastelloy-C276 wetted parts (HAS) 0.5% accuracy (0.5%) Materials test certificate (MTC) NB. When more than one extra is required, please separate each code with a hyphen when building your product reference

Order example:

Make	Model	Dial diameter	Ranges	Units	Connection size	Connection orientation	Filling	Extras
BRN	PG40	100	0+10	В	7	во	D	LG-FF

Product reference: BRNPG40/100/0+10/B/7/BO/D/LG-FF

Calibration product numbers:

Other calibration types available on request

Calibration	No of points	Product number
UKAS	5pt	49/075/0
Traceable to	5pt	49/060/0
National Standards		

