

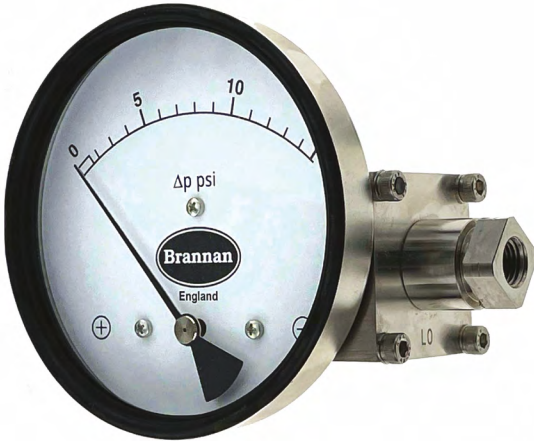
Product data sheet

✉ sales@brannan.co.uk

☎ +44 (0)1946 816600

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DG012 - DIFFERENTIAL PRESSURE GAUGE CONVOLUTED DIAPHRAGM TYPE



Product features:

- Magnetic coupling with convoluted diaphragm used to measure differential pressure
- No migration of the process media – zero leakage from high to low port
- Aluminium, brass, SS 316 or Monel body
- Ingress protection IP 66
- +/- 2% accuracy
- **Brannan** quality and accuracy

Applications:

- Applications where no migration of the media from high pressure side to low pressure side is permitted.
- Leak detection
- Filtration systems

Standard product specifications:

Type	Convoluted diaphragm type differential gauge
Migration of Media	Zero
Mounting	Direct (others on request)
Dial diameters	63mm (2.5"), 90mm (3.5"), 100mm (4"), 115mm (4.5") and 150mm (6")
Accuracy	+/- 2% FS
Ranges	0 to 0.075 bar through to 0 to 4 bar
Case	Stainless steel 304 with rubber ring (optional engineered plastic case)
Process connection	1/4" NPT/BSP F (others available through adaptor)
Connection orientation	Bottom, back, or in-line (contact us for other variations)
Measuring principle	Magnetic coupling with convoluted diaphragm
Body material	Aluminium, brass, stainless steel 316 or Monel
Wetted parts	Diaphragm, body material, SS 302 spring & ceramic magnet
Diaphragm	Buna-N (Viton available on request)
Window	Instrument glass, acrylic glass or safety glass
Dial	White aluminium
Pointer	Black aluminium
Filling	Dry (glycerine/silicone filling optional)
Max static pressure	100 bar
Operating temperature	Ambient: 0 to 80°C Medium temperature: 0 to 80°C
Ingress protection	IP66

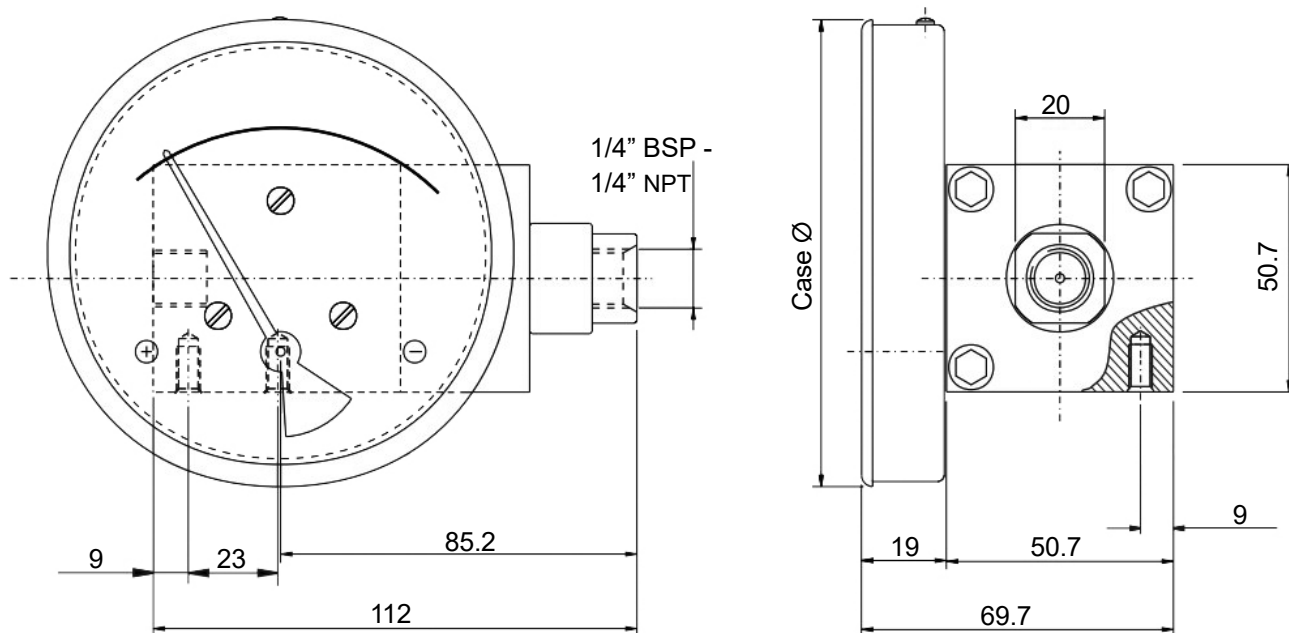
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Product dimensions (in mms)




Dial Ø	Case Ø
63mm / 2.5"	66.0mm
90mm / 3.5"	83.0mm
100mm / 4.0"	104.3mm
115mm / 4.5"	119.7mm
150mm / 6.0"	154.3mm

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Product numbers:

All DG012 dials are ordered to specific customer specifications. Please use below matrix to create your unique ordering product reference, using the values in bold.

Make	Model	Dial diameter	Ranges	Units	Process connection	Connection orientation	Body material	Extras
Brannan (BRN)	DG012 (DG12)	63mm (63)	0 to 0.075 bar (0+0.075)	Bar only (B)	1/4" BSP (F) (F3)	Bottom (BO)	SS 316 (316)	Engineered plastic case* (PLA)
		90mm (90)	0 to 1 Psi (0+1)	Psi only (PSI)	1/4" NPT (F) (F4)	Back (BK)	Brass (BRS)	Viton diaphragm (VIT)
		100mm (100)	Through to		1/2" BSP (F)* (F7)	In-line (IL)	Aluminium (AL)	Glycerine filling (G)
		115mm (115)	0 to 4 bar (0+4)		1/2" NPT (F)* (F8)		Monel (MON)	Silicone filling (S)
		150mm (150)	0 to 60 Psi (0+60)					Maximum pointer (MaxP)
				Other units available on request	* through adaptor	Contact for other options		Front flange/ panel mount (FF)
								2" pipe mounting kit (PMO)
								Surface mounting kit (SMO)
								* 63mm, 115mm & 150mm only.
								NB. When more than one extra is required, separate each code with a hyphen when building your product reference.

Order example:

Make	Model	Dial diameter	Ranges	Units	Process connection	Connection orientation	Body material	Extras
BRN	DG12	100	0+0.075	B	F4	BO	316	G

Product reference: BRNDG12/100/0+0.075/B/F4/BO/316/G