

SG040

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Schäffer diaphragm gauge



Product features:

- Pressure gauge with attached diaphragm seal
- 1.6% accuracy
- Circular diaphragm clamped between an upper and lower flange
- Stainless steel wetted parts
- Threaded or flanged process connection
- **Brannan** quality

Applications:

- Low pressure applications
- Aggressive pressure media
- Process Industry
- Oil & gas
- Chemical/Petrochemical

Standard product specifications:

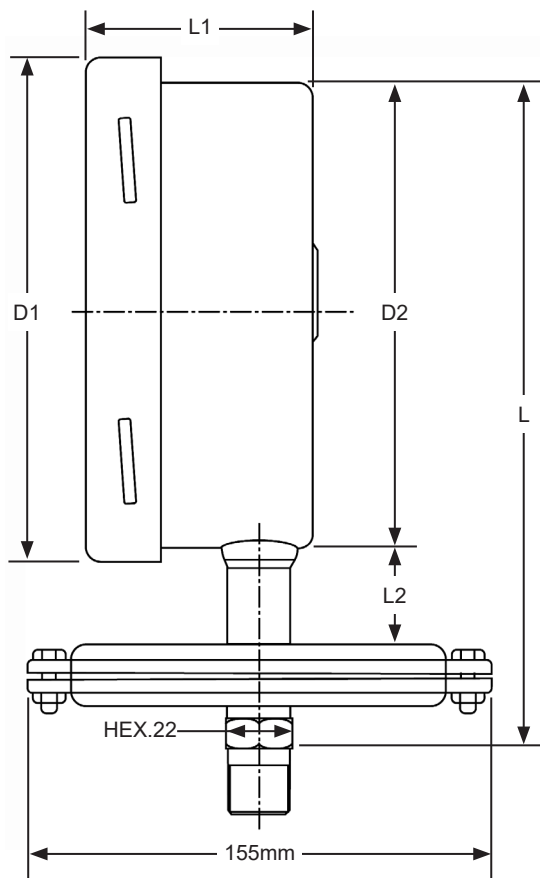
	SG40
Standards & categories	
Design	BS EN 837-3
Gauge construction	
Case	Stainless steel 304
Connection orientation	Bottom
Connection material	Stainless steel 316 (optional Stainless steel 316L, PTFE lined)
Diaphragm material	Stainless steel 316L (optional PTFE coated)
Upper & lower flange	Stainless steel; 316, optional Stainless steel 316L)
Bezel	Stainless steel 304
Pointer	Black aluminium
Measuring principle	Diaphragm
Movement	Stainless steel 304
Window	Glass (optional safety glass)
Ranges & parameters	
Dial diameters	100mm (4") & 150mm (6")
Ranges	Up to 2.5 bar & 36 psi
Thread size	1/4", 3/8", 1/2" BSP/NPT (flange connection available on request)
Accuracy class	1.6%
Operating temperature	Ambient: -40 to +60°C, medium: -40 to +100°C
Storage temperature	-40 to +60°C
Protection	IP 54 (IP 65 optional)
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
Accessories	Syphon, needle valve

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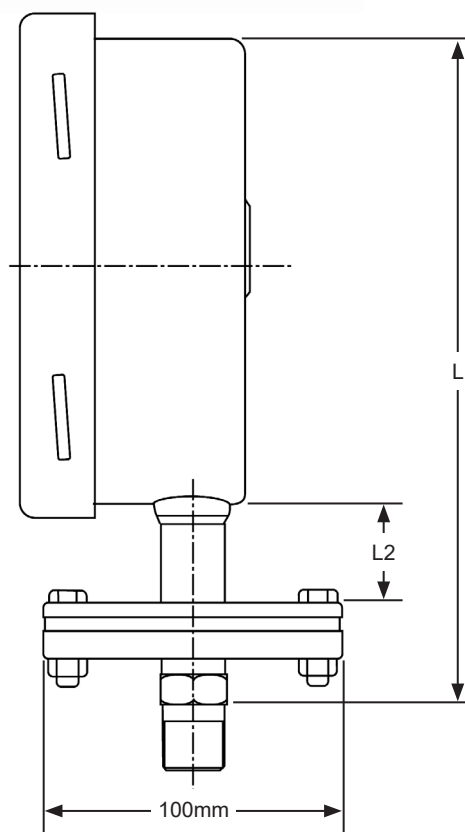
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Product dimensions:

For ranges ≤ 0.6 bar



For ranges > 0.6 bar



Dial	100mm (4")	150mm (6")
ØD1	109.0mm	160.0mm
ØD2	98.5mm	152.0mm
L	170.0mm	223.0mm
L1	51.0mm	52.0mm
L2	35.0mm	35.0mm

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Product numbers:

All SG040 pressure gauges are ordered to specific customer specifications. Please use the below matrix to create your unique product reference, using the values in bold.

Make	Model	Dial diameter	Range	Units	Diaphragm Material	Flange Material	Process Connection	Extras
Brannan (BRN)	SG040 (SG40)	100mm (4") (100)	0+10 0+30 0+60	inH2O (inner black) oz/in2 (outer red) (WO)	SS 316L (316L)	SS 316 (316)	1/4" BSP (3)	Materials Test Certificate (MTC)
		150mm (6") (150)	0+100 0+160 0+200 0+300	Bar (outer black) Psi (inner red) (BP)	SS 316L (316L)	1/4" NPT (4) 3/8" BSP (5)	Ingress protection IP65 (IP65)	
			-1+0 -1+1.5 0+0.6 0+1 0+1.6 0+2.5				3/8" NPT (6)	Safety glass (SG)
							1/2" BSP (7)	Blow out disc (BOD)
							1/2" NPT (8)	
				*Other units available on request			*contact for flanged option	

Order example:

Make	Model	Dial diameter	Range	Units	Diaphragm Material	Flange Material	Process Connection	Extras
BRN	SG40	100	0+200	WO	316L	316L	8	SG

Product reference: BRNSG05/100/0+200/WO/316L/316L/8/SG