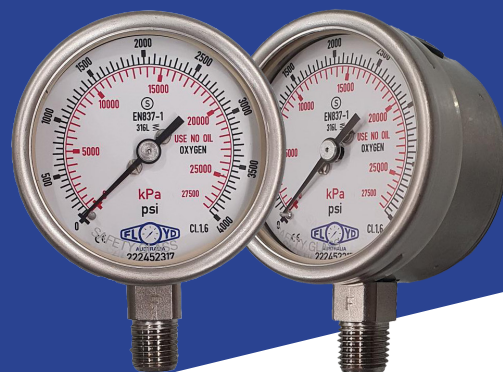




Safety Pattern Pressure Gauges

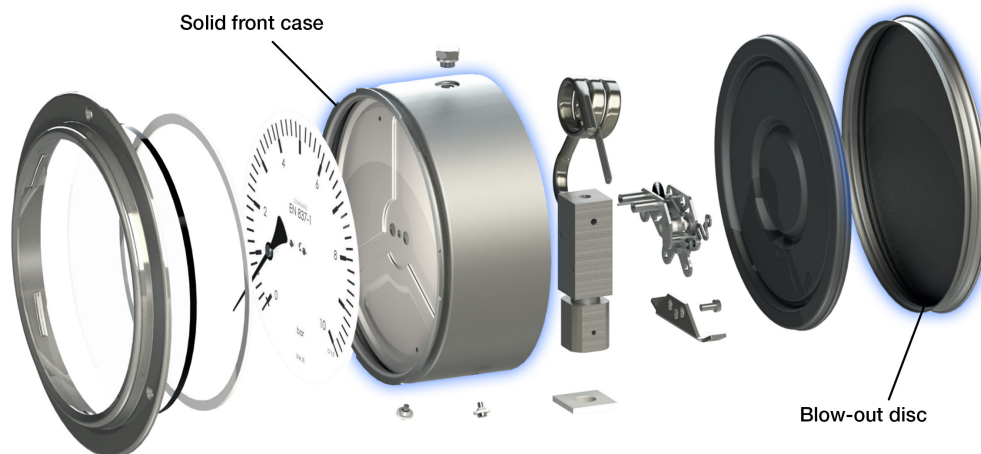
According to the Australian standard (AS1349) for bourdon tube pressure and vacuum gauges, with high-pressure gas and a maximum scale reading of 2500 kPa and above, shall be of the safety pattern design. Additionally, any pressure gauge used on Oxygen or Acetylene gas, regardless of range, must be in full safety pattern design.



Safety pattern design is being used on high-pressure gases, being air, nitrogen, hydrogen, oxygen, acetylene, and others. Constructed with a solid front baffle wall and full blow-out-disc in the rear of the case, Perspex windows, and internal restrictor screws fitted into the connections. The purpose of solid front safety gauges is to safeguard users and avoid accidents. The solid front gauge is strengthened at the front, and the back safety casing is designed to blow out. A sturdy partition wall between the front of the gauge and the Bourdon tube system sends the released energy to the rear of the gauge, where the blow-out back of the safety case design drives any loose components or media to depart through the back of the gauge. Most contemporary process facilities now include solid front design gauges as standard safety equipment. When a gauge is misapplied, this sort of gauge decreases the danger of injury.

Applications

- Hydraulic & Pneumatic Systems
- Plant construction
- OEM Equipment
- Diving & Marine
- Power Generation
- Pumps & Compressors
- Food & Beverage
- Chemical/Petrochemical



Features

- Solid front & blow-out back
- Supplied dry (liquid filling options)
- Superior resistance to shock
- Stainless steel case & bezel
- Nominal sizes (mm) 63,100,150
- IP65 degree of protection
- Highly accurate
- Full stainless steel wetted parts

Specifications

Range

- 0 kPa to 100,000 kPa
- Single Scale kPa as Standard
- Can supply with Other Scales, Dual Scales, Custom Logo

Dial

- White face with black printing
- Individual serial number for Traceability

Temperature Range

- Ambient: -20°C ... +60°C (dry)
- Process: +100°C maximum

Window

- Laminated safety glass

Pointer

- Aluminum, black

Neck/Thread

- 1/4 BSPT Male / Stainless steel AISI-316L (NS - 63mm)
- 1/2 BSP/NPT Male / Stainless steel AISI-316L (NS - 100mm & 160mm)

Case

- Stainless steel 304, with solid baffle wall and blow-out
- Bayonet ring: polished stainless steel AISI-304

Accuracy

- $\pm 1.0\%$ of full scale (NS 100 & 160mm)
- $\pm 1.6\%$ of full scale (NS 63mm)

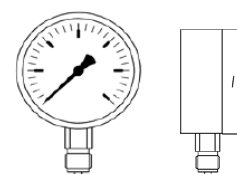
Measuring Element

- Bourdon tube, Stainless Steel AISI-316L

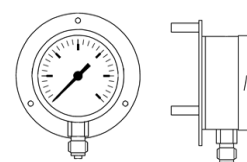
Movement

- Stainless steel AISI-304 with min. needle stop
- Stainless steel AISI-304 with min. needle stop

Mounting Types



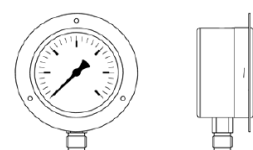
PBX-SF063XA



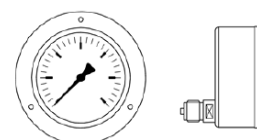
PBX-SF063XB



PBX-SF063XC



PBX-SF063XD



PBX-SF063XJ

Product Selection Data

Choose your product specifications and options below to configure your product

Model — **Size** — **Mounting** — **Wetted Parts** — **Range** — **Thread** — **Gas** — **Options**

Model	Size	Mounting		Wetted Parts		Range		Thread		Gas		Option	
PBX-SF	63	A	Direct Mount / Bottom Entry	S	316 Stainless Steel	17	0 - 2500 kPa	1/4BP	1/4" BSPP	O2	Oxygen	CD	Special dial markings
	100					18	0 - 4000 kPa	1/2BP	1/2" BSPP	N2	Nitrogen	EC	Electrical Contacts
	160	C	Direct Mount / Rear Entry	19	0 - 6000 kPa	1/4N	1/4" NPT	Ar	Argon				
				20	0 - 8000 kPa	1/2N	1/2" NPT	CO2	Carbon Dioxide				
	S	Surface Mount / Bottom Entry	21	0 - 10,000 kPa			H2	Hydrogen					
			22	0 - 16,000 kPa			He	Helium					
	F	Flush Mount / Rear Entry (3-Hole Front Flange)	23	0 - 25,000 kPa	N2O	Nitrous Oxide							
			24	0 - 40,000 kPa	CH4	Methan							
			XX	Additional ranges upon request	CO	Carbon Monoxide							
							LPG	Liquified Petroleum Gas					



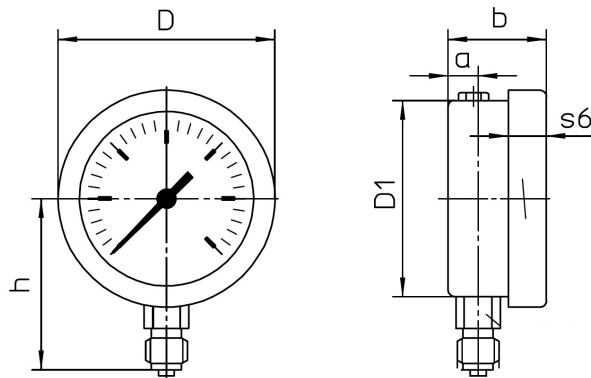
Options/Accessories for PressureGauges

- Internal Thread Restrictor
- Snubbers with Adjustment Screw
- Pigtail or U Syphons

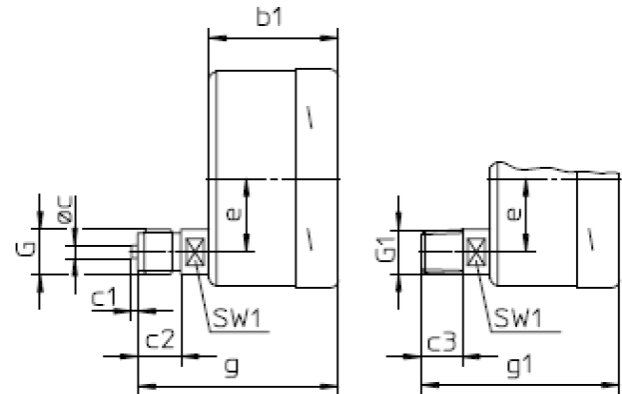
Looking for other specifications?

As the leader in pressure and temperature instruments in Australia, we envision ourselves not only as a supplier of top notch measurement devices, but also dependable partner that can create individually designed solutions together with you. On the basis of your specific applications, in close cooperation with you, we are ready to develop products that are applicable for you. Enquire today to discuss your customized gauge requirements with one of our friendly Customer Care team members.

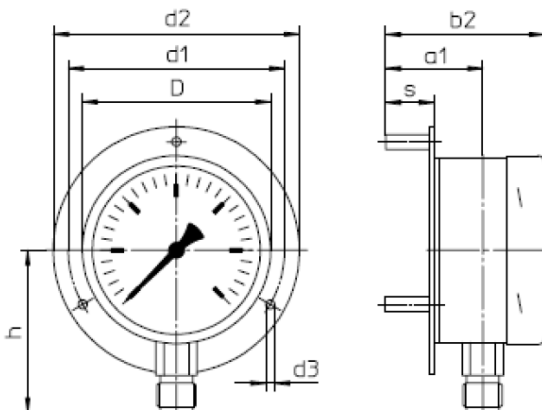
Direct Mount Bottom Entry



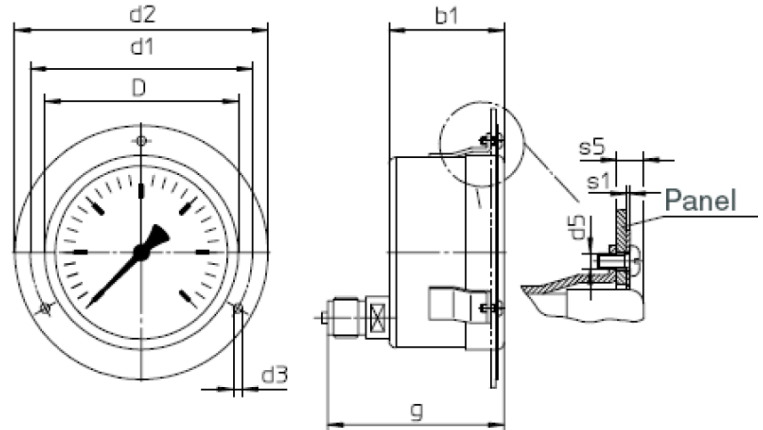
Direct Mount Rear Entry



Surface Mount Bottom



Flush Mount Rear Entry



Size	a	a1	b	b1	b2	c	c1	c2	c3	D	D1	d1	d2	d3	d5	e	G	G1
63	18 .71	38 1.5	41 1.61	41 1.61	61 2.4	5 0.2	2 0.08	13 0.51	13 0.51	64 2.52	62 2.44	75 0.95	85 3.35	3.6 0.14	M3	18 0.71	G 1/4 B 1/4"BSP M 12x1.5	1/4" NPT
100	27 1.06	52 2.05	60 2.36	60 2.36	85 3.35	6 0.24	3 0.12	20 0.79	19 0.75	101 3.98	99 3.9	116 4.57	132 5.2	4.8 0.19	M4	34 1.34	G 1/2 B 1/2"BSP M 20x1.5	1/2" NPT
160	40 1.57	70 2.76	78 3.07	78 3.07	108 4.25	6 0.24	3 0.12	20 0.79	19 0.75	161 6.34	159 6.26	178 7.01	196 7.72	5.8 0.23	M5	-	G 1/2 B 1/2"BSP M 20x1.5	1/2" NPT

Size	g	g1	h ^{±1}	h1 ^{±1}	s	s1	s5	SW	Approx. weight ¹	
63	63 2.48	63 2.8	54 2.13	54 2.13	21 0.83	1 0.04	7 0.28	24 0.55	0.18 0.39	0.25 0.55
100	93 3.66	92 3.62	87 3.43	84 3.31	26 1.02	1 0.04	7 0.28	22 0.87	17 0.67	
160	-	-	115 4.53	114 4.49	31.5 1.24	1.5 0.06	9 0.35	22 0.87	-	