

“MICRO” Liquid filled pressure gauges are ideal for dampening the effect of Vibration & Pulsation. Increase the life of gauge due to internal lubrication under extreme operating condition.

Technical Specifications:-

Nominal size –

Ø 40, 50, 63, 100, 150, 200 & 250 mm

Accuracy –

±1.6% of full scale for 40, 50 & 63 mm dial size.

±1% of full scale for 100, 150, 200 & 250 mm dial size.

Case & Bezel –

S. S. 304 machined sealed roller bezel (Up to 100 mm dial) / Snap Action with Bayonet Bezel

Ingress Protection –

IP 65 as per EN 60 529 / IEC 529

IP 68 as per IS / IEC 60529 for 150 mm

Pressure element –

S. S. 306 Bourdon tube

(< 100 bar ‘C’ shape / ≥ 100 bar helical shape)

Over pressure limit –

≤ 100 bar : 125% of full scale value

> 100 bar to < 600 bar : 115% of full scale value

Movement –

S. S. 304 for industrial gauges.

Brass Nickel plated for economical gauges.

Socket –

Brass / S. S. 304 / S. S. 316 / S. S. 316L

Dial –

Aluminium – Pre coated White with black marking

Pointer –

Aluminium – black finish fixed type

Center Zero / Micro zero adjustable (Optional)

Window –

4 mm Acrylic window for Ø 40, 50, 63 & 100 mm dial.

Toughened glass for Ø 150, 200 & 250 mm dial.

Joints –

Argon Arc Welded for S.S.

Silver brazed for Brass

Sealing gasket –

Nitrile rubber (NBR)

Blow out protection –

Neoprene / EPDM Rubber

For 50 & 63 mm : On Top of Case

Above 100 mm : At Back of Case

Pressure relief –

Top of case with Vent Valve



Operating temperature:

Ambient : -25°C to 65°C

Process : Maximum 65°C

Types of mounting:

Radial bottom direct mounting

Back flange Surface mounting

Front flange panel mounting

Flush panel (Bracket) mounting

Process Connection:

For 40 mm : 1/8" BSP / NPT / BSPT

For 50 & 63 mm : 1/4" BSP / NPT / BSPT

Above 100 mm : 1/4" / 3/8" / 1/2" BSP / NPT / BSPT

Pressure range:

For 40 mm dial : -30" Hg ... 0 ... 40 bars

For 50 mm dial : -30" Hg ... 0 ... 400 bars

For 63 mm dial : -30" Hg ... 0 ... 1000 bars

Above 100 mm dial : -30" Hg ... 0 ... 3500 bars

Optional features:

S. S. 316 Case & Bezel available on request

Ammonia (NH₃), Oxygen (O₂), Freon Scale available

Eco model available on request

Application:

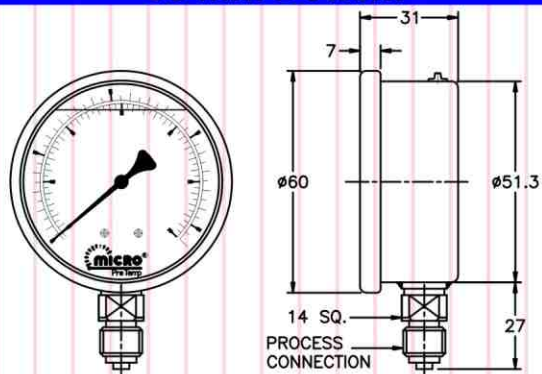
Air Compressor

Hydraulic Presses

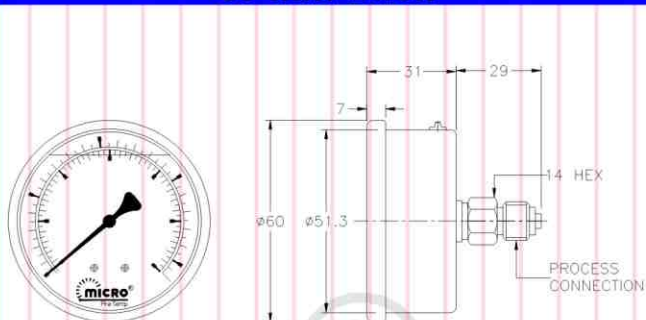
Pump, Marine engines

Pipe line & transmission station where Vibration & Pulsation are destructive factor

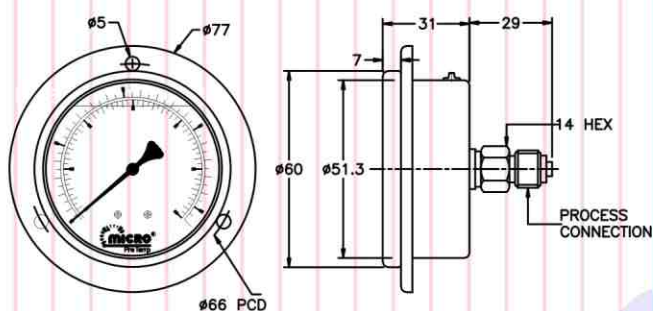
50 mm Bottom



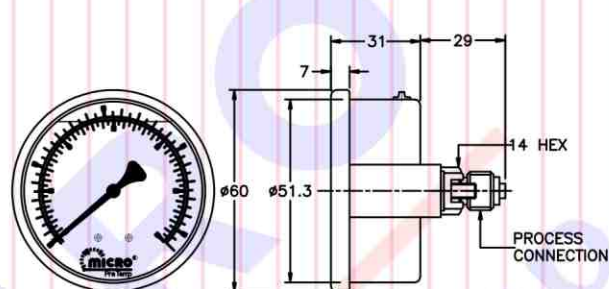
50 mm Back



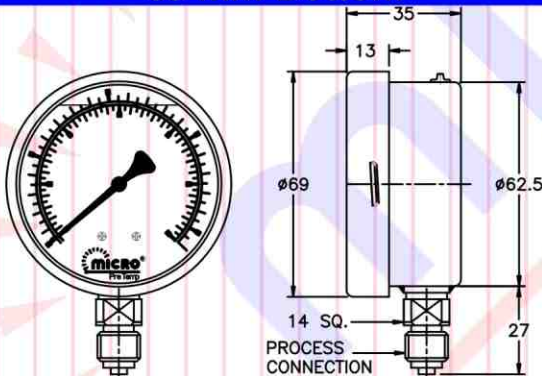
50 mm Back Panel



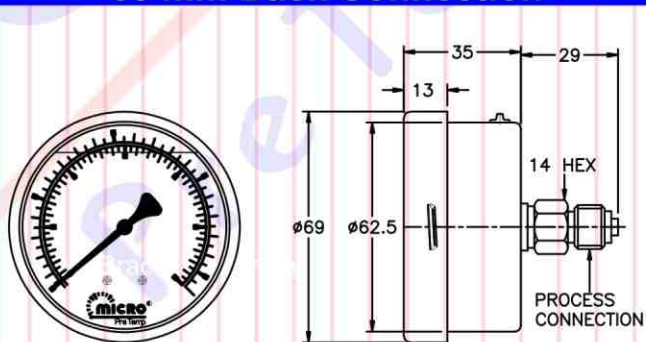
50 mm Back with Brack



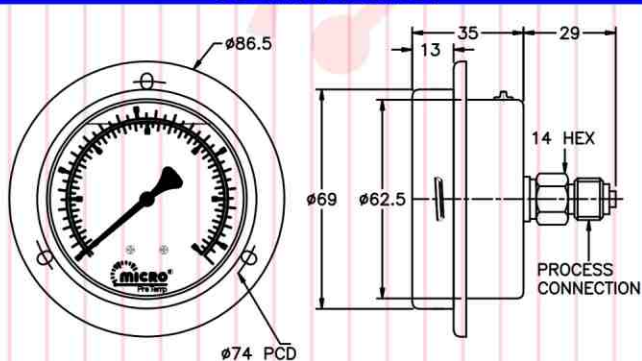
63 mm Bottom



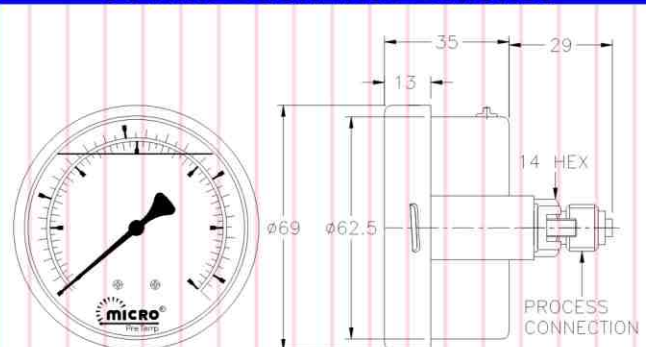
63 mm Back Connection



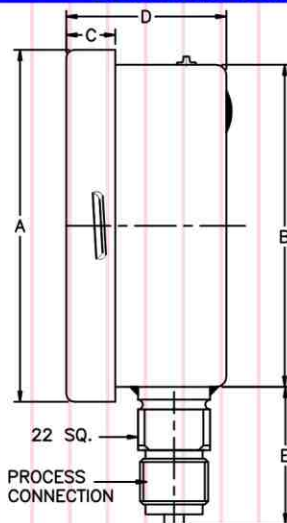
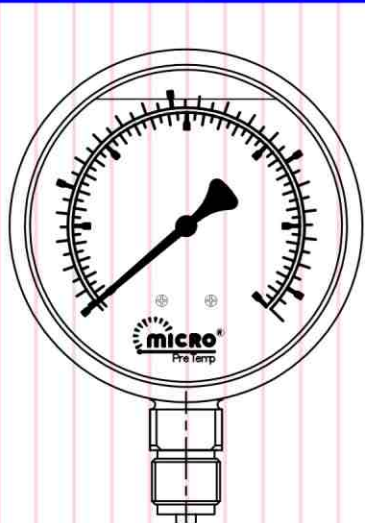
63 mm Panel



63 mm Back with Bracket



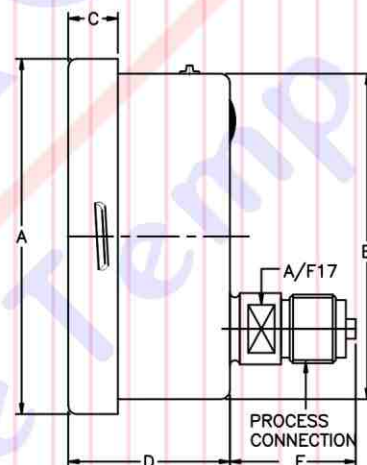
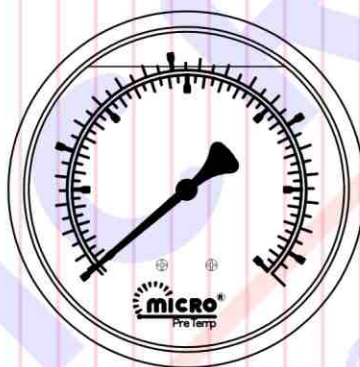
Bottom Connection



SIZE	A	B	C	D	E
100mm	108	99	15	49	42
150mm	154	149	15	49	44
200mm	216	200	15	52	44
250mm	265	247	15	55	44

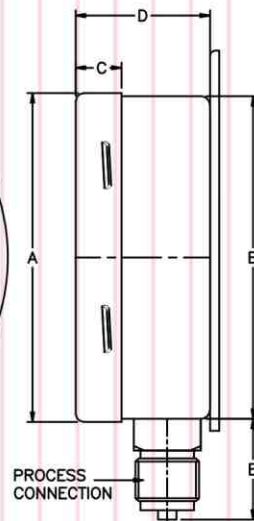
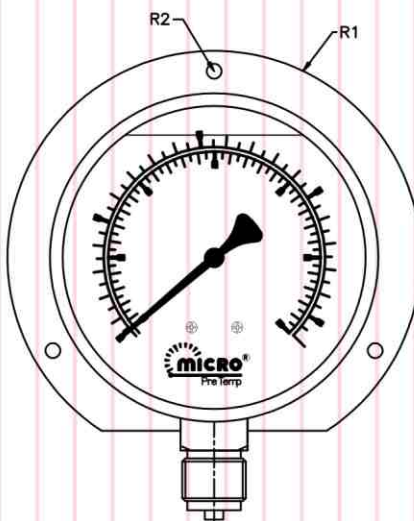
Back Connection

SIZE	A	B	C	D	E
100mm	108	99	15	49	42
150mm	154	149	15	49	44
200mm	216	200	15	52	44
250mm	265	247	15	55	44

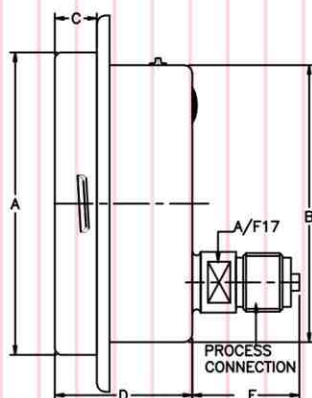
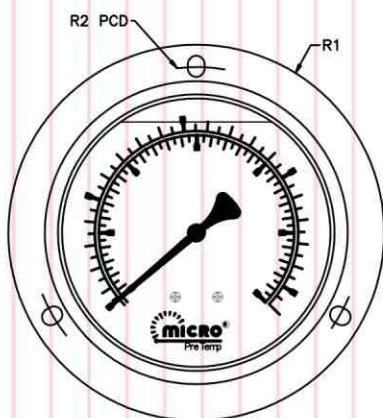


Surface Mounting Bottom Connection

SIZE	A	B	C	D	E	R1	R2
100mm	108	99	15	49	42	135	122
150mm	164	149	15	49	44	197	172
200mm	216	200	15	52	44	—	—
250mm	260	247	18	52.5	42	287	266



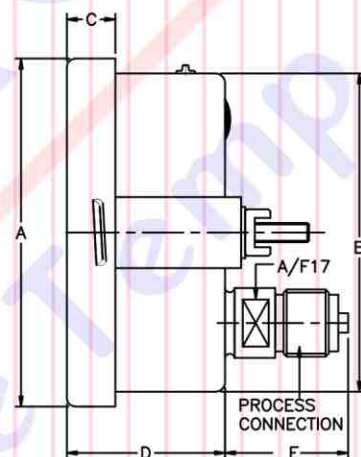
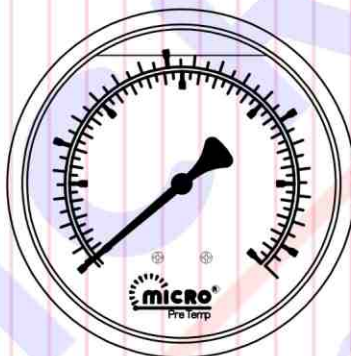
Back Connection Panel Mounting



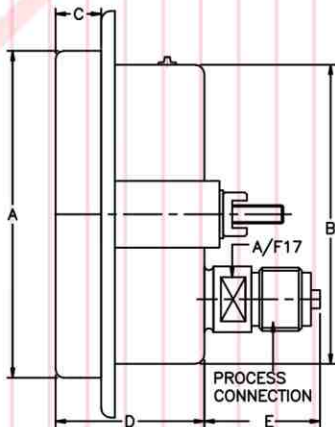
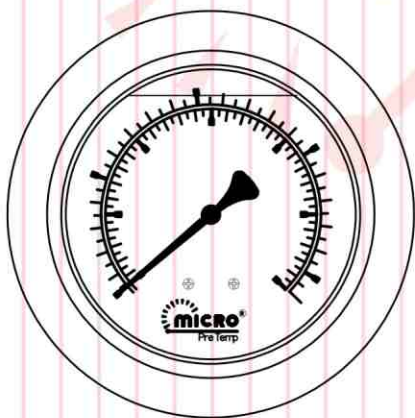
SIZE	A	B	C	D	E	R1	R2
100mm	108	99	15	49	42	134	118
150mm	154	149	15	49	44	186	168
200mm	216	200	15	52	44	-	-
250mm	265	247	15	55	44	-	-

Back Connection Bracket Mounting

SIZE	A	B	C	D	E
100mm	108	99	15	49	42
150mm	154	149	15	49	44
200mm	216	200	15	52	44
250mm	265	247	15	55	44



Back Connection Panel + Bracket Mounting



SIZE	A	B	C	D	E
100mm	108	99	15	49	42
150mm	154	149	15	49	44
200mm	216	200	15	52	44
250mm	265	247	15	55	44

How to Order -

1	Dial Size - 04 : 40 mm (1 1/2") Dial 05 : 50 mm (2") Dial 06 : 63 mm (2 1/2") Dial 10 : 100 mm (4") Dial 15 : 150 mm (6") Dial 20 : 200 mm (8") Dial 25 : 250 mm (10") Dial	XX
2	Case Type & Material - S : Special Type (Case & Bezel : SS 304 Snap Action Bayonet Type above 150 mm) (Case & Bezel : SS 304 Crimp Type for 50, 63 & 100 mm)	X
3	Type - GF : Glycerin Filled	XX
4	Additional Requirement for Type - SF : Solid Front Case (Safety Pattern)	XX
5	Movement Material - S : SS 304 6 : SS 316	X
6	Sensing Element Material - 6 : SS 316 L : SS 316 L M : Monel Ti : SS 316 Ti	X
7	Socket Material - 4 : SS 304 6 : SS 316 L : SS 316L M : Monel Ti : SS 316 Ti	X
8	Mounting - DB : Bottom Connection Direct Mounting SM : Bottom Connection Surface Mounting BCDM : Back Connection Direct Mounting BCPM : Back Connection Panel Mounting BCBR : Back Connection Bracket Mounting PMBR : back Connection Panel + Bracket Mounting	XX OR XXXX
9	Additional Requirement for Mounting - AVS : Anti Vibration Spring	XXX
10	Connection - 18B/18N/18T : 1/8" BSP / 1/8" NPT / 1/8" BSPT 14B/14N/14T : 1/4" BSP / 1/4" NPT / 1/4" BSPT 38B/38N/38T : 3/8" BSP / 3/8" NPT / 3/8" BSPT 12B/12N/12T : 1/2" BSP / 1/2" NPT / 1/2" BSPT M12 / M20 : M12 x 1.0 / M20 x 1.5 mm OTH : Others Please Specify	XXX
11	Range - Please Specify	0/200 PSI

E. g. : 200S-GF-SF-SLL-DB(AVS)-12N-0/200 PSI