

Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts. Specially designed for difficult conditions of use, as there are vibrations or quick changes of pressure. Also useful for adverse ambients



How to order:  
M 03 01 + chosen options.

## 2. CONSTRUCTION / DESIGN

2.1. Design		EN 837-1
2.2. Mounting	x	Direct: Free standing on the radial/rear screwed connection - For rear connection gauges: U-clamp or flange in stainless steel for panel mounting - For radial connection gauges: Flange is stainless steel for panel mounting
2.3. Degree of protection		IP 65 per EN 60529 / IEC 529

## 3. MATERIALS AND DIMENSIONS

3.1. Case		
3.1.1. Material		Polished stainless steel AISI 304. Pressure relief in case top.
3.1.2. Nominal size	x	63, 80 and 100mm
3.2. Bezel ring		
3.2.1. Material		Polished stainless steel AISI 304.
3.2.2. Seal		Ring sealed.
3.3. Internal elements		
3.3.1. Materials		Elastic element and movements in copper alloy. Tin soft welding and copper alloy soldering for pressure under 40 bar and for pressures over 40 bar copper and silver alloy.
3.3.2. Structure		Elastic element: With "C" type for pressures up to 40 bar and in spring type for pressures over 40 bar.
3.4. Screwed connection		
3.4.1. Material		Brass
3.4.2. Thread		1/4" BSP for Ø63mm, 3/8" BSP for Ø80mm and 1/2" BSP for Ø100mm. In accordance with UNE-EN 10226-1
3.5. Window		Acrylic.
3.6. Dial		Whitelacquered aluminium
3.7. Pointer		Aluminium anodized in black

## 4. PRESSURE

4.1. Range	x	Pressure gauges: 0+0,6 0+1 0+1,6 0+2,5 0+4 0+6 0+10 0+16 0+25 0+40 0+60 0+100 0+160 0+250 0+315 0+400 Compound gauges: -1+0,5 -1+1,5 -1+3 -1+5 -1+9 -1+15 -1+24 Vacuum gauge: -1+0
4.2. Scale	x	One scale in bar black coloured. Double scale, black coloured for Bar and red coloured for Psi
4.3. Subdivision		In accordance with EN 837-1
4.4. Accuracy/ Class		Class 1,6
4.5. Use conditions:		
4.5.1. Pressure conditions:		Steady: 3/4 of full scale value. Fluctuating 2/3 of full scale value. Maximum pressure: (for short time) Full scale value.
4.5.2. Operating temperature:		Ambient: -40+80°C Medium: 80°C maximum

## 5. OPTIONS

5.1. Antivibration system		Glycerine (99,8%) or silicone oil
5.2. Logotypes		Optional: Customer's logo printed
5.3. Other connection threads		1/8" BSPT 1/4" BSPT 3/8" BSPT 1/2" BSPT M20x1,5

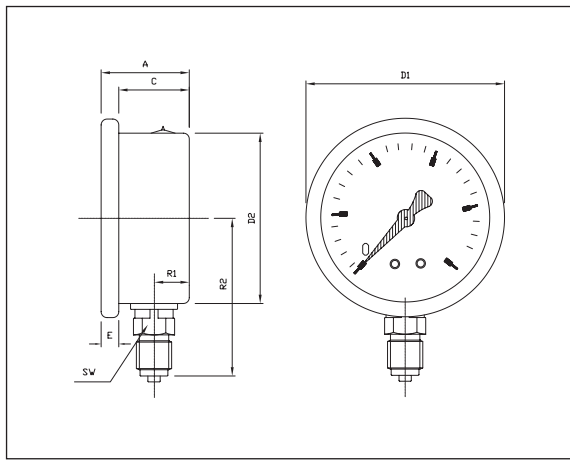


Fig. M 03 01 A (Radial)

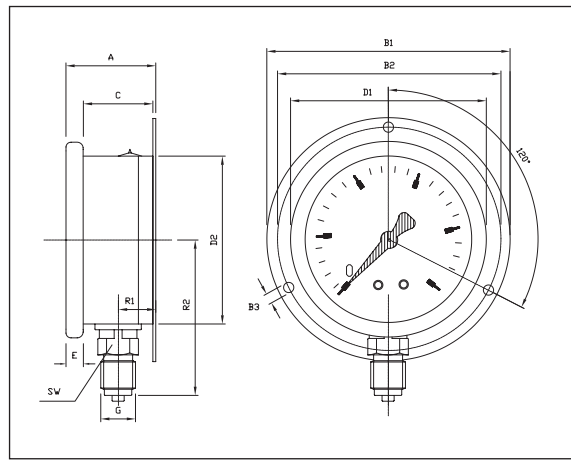


Fig. M 03 01 B (Radial with back flange)

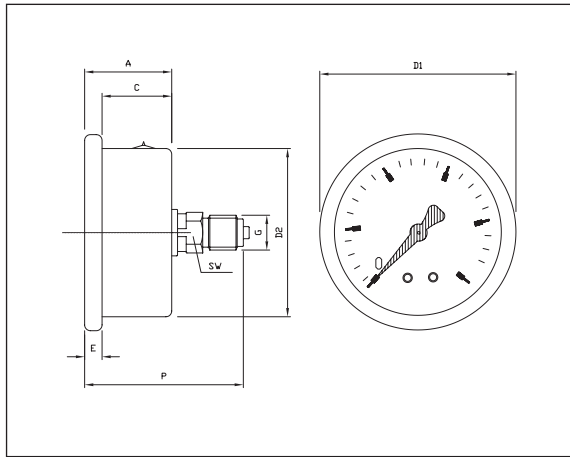


Fig. M 03 01 C (Back centered)

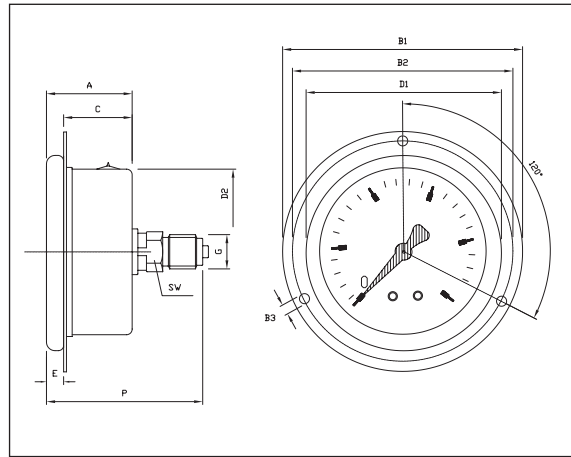


Fig. M 03 01 D (Back centered with front flange)

		DIMENSIONS (mm) (tolerances $\pm 1$ mm)											WEIGHT (g)		
DN	Connection	R1	A	C	D1	E	D2	G	R2	SW	P	B1	B2	B3	
Ø63	Radial	10	29	23	68	6	61	1/4 BSP	56	14		86	80	3,5	186
Ø63	Rear		29	22	68	7	61	1/4 BSP		14	58	86	80	3,5	188
Ø80	Radial	9	30	22	88	8	80	3/8 BSP	74	17		112	104	5	337
Ø80	Rear		30	22	88	8	80	3/8 BSP		17	61	112	104	5	345
Ø100	Radial	12	37	29	109	8	99	1/2 BSP	87	21		132	124	5	576
Ø100	Rear		37	29	109	8	99	1/2 BSP		21	77	132	124	5	570