

Designed for working with very aggressive fluids. Specially designed for difficult conditions of use, as there are vibrations or quick changes of pressure. Fluids must be of low viscosity.



How to order:
M 03 05 + 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 in 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	Ø63mm and Ø100mm.
3.2. Bezel ring		
3.2.1. Material		Polished stainless steel AISI 304.
3.2.2. Seal		Sealed ring
3.3. Internal elements		
3.3.1. Materials		Elastic element and movements in stainless steel AISI 316L.
3.3.2. Structure		Elastic element: With "C" type for pressures up to 100 bar and in spring type for pressures over 100 bar.
3.4. Screwed connection		
3.4.1. Material		Stainless steel AISI 316L.
3.4.2. Thread		1/4" BSP for Ø63mm and 1/2" BSP for Ø100mm, in accordance with UNE-EN 10226-1
3.5. Window		Methacrylate or glass.
3.6. Dial		White lacquered aluminium. With top in the zero.
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 0+600 0+1000 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		One scale in bar black coloured.
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:		With glycerine: Ambient: -20+80°C Medium: 100°C maximum Dry or with safety glass: -40+80°C Medium: maximum: 200°C

5. OPTIONS

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

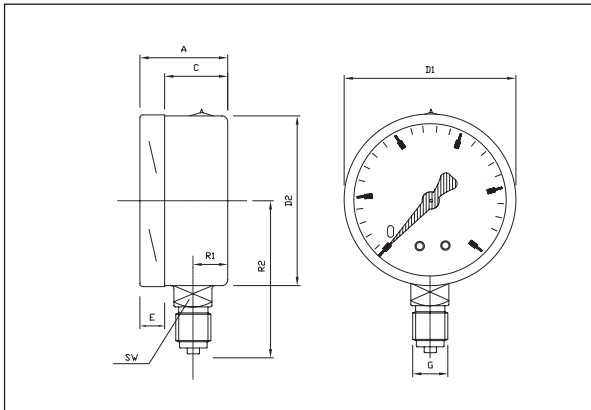


Fig. M 03 05 A (Radial)

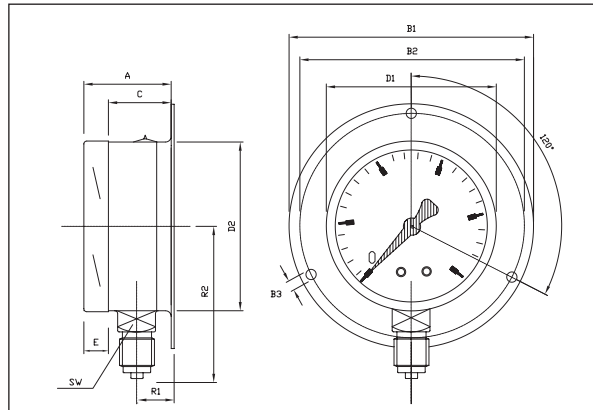


Fig. M 03 05 B (Radial with back flange)

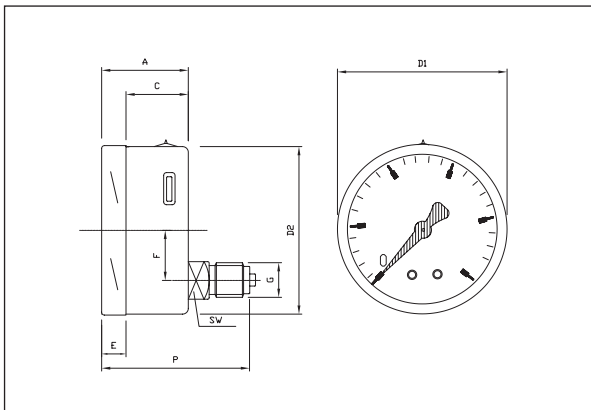


Fig. M 03 05 C (Back eccentric)

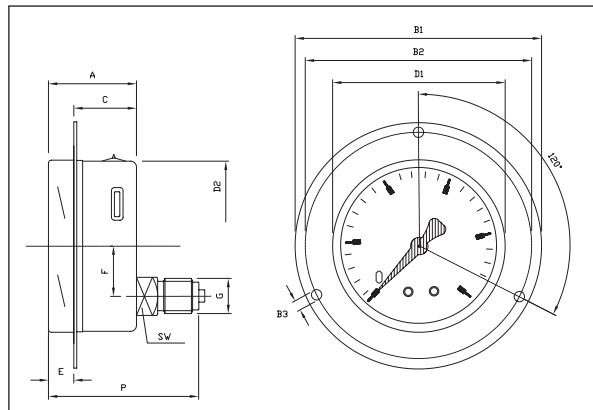


Fig. M 03 05 D (Back eccentric with front flange)

		DIMENSIONS (mm) (tolerances ± 1 mm)											WEIGHT (g)			
DN	Connection	R1	A	C	D1	E	D2	G	R2	SW	P	B1	B2	B3	without antivibra- tion liquid	with antivibra- tion liquid
Ø63	Radial	10	29	23	68	6	61	1/4 BSP	56	14		86	80	3,5	118	183
Ø63	Rear		29	22	68	7	61	1/4 BSP		14	58	86	80	3,5	125	190
Ø100	Radial	12	37	29	109	8	99	1/2 BSP	87	21		132	124	5	350	605
Ø100	Rear		37	29	109	8	99	1/2 BSP		21	77	132	124	5	363	622