

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 04 + chosen options.

## 2. CONSTRUCTION / DESIGN

2.1. Design		EN 837-I
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. Protection rate		IP 54 per EN 60529 / IEC 529

## 3. MATERIALS AND DIMENSIONS

3.1. Case		
3.1.1. Material	x	Polished stainless steel AISI 304. Pressure relief in case top.
3.1.2. Nominal size		Ø100mm and Ø150mm.
3.2. Bezel ring		
3.2.1. Material		Polished stainless steel AISI 304.
3.2.2. Seal		Bayonet seal
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 100 bar and for pressures over 100 bar copper and silver alloy.
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		Brass
3.4.2. Thread		1/2" BSP. In accordance with UNE-EN 10226-1
3.5. Window		Methacrylate or laminated safety glass.
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 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 1,0
4.5. Use conditions:		
4.5.1. Pressure conditions:		Steady: Full scale value. Fluctuating 0,9 x full scale value. Maximum pressure: (for short time) 1,3 x full scale value.
4.5.2. Operating temperature:		Ambient: -40+80°C Medium: 80°C maximum

## 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

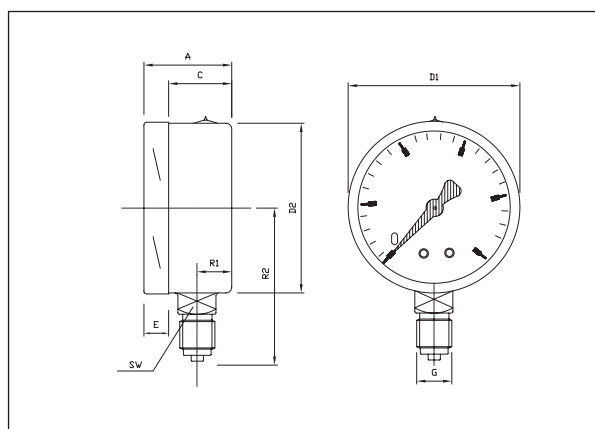


Fig. M 03 04 A (Radial)

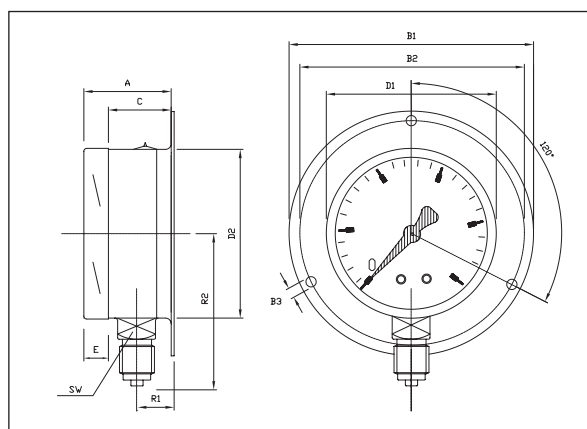


Fig. M 03 04 B (Radial with back flange)

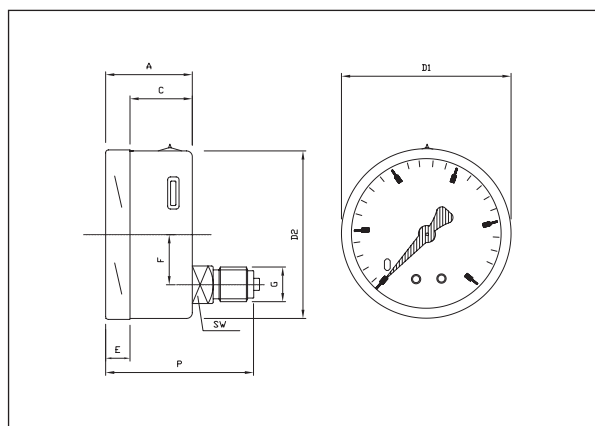


Fig. M 03 04 C (Back eccentric)

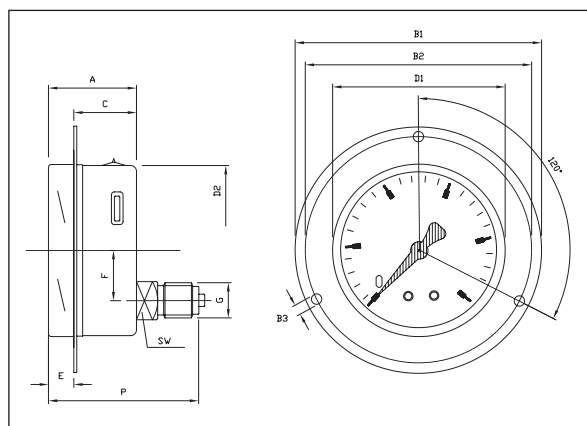


Fig. M 03 04 D (Back eccentric with front flange)

		DIMENSIONS (mm) (tolerances ± 1mm)											WEIGHT (g)			
DN	Connection	RI	A	C	DI	E	D2	G	R2	SW	P	B1	B2	B3	without antivibra- tion liquid	with antivibra- tion liquid
Ø100	Radial	16	49	32	101	17	99	1/2 BSP	83	22		86	80	3,5	575	867
Ø100	Rear		49	32	101	17	99	1/2 BSP		22	86	86	80	3,5	536	907
Ø150	Radial	16	50	32	149	18	146	1/2 BSP	113	22		192	184	5	950	1712
Ø150	Rear		50	32	149	18	146	1/2 BSP		23	87	192	184	5	824	1750