M 03 04

Pressure gauge in stainless steel with bayonet closing

Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts.
Especially designed for difficult conditions of use, as there are vibrations or quick changes of pressure. Manufactured according to standard EN 837-1

STANDARD PARAMETERS

- Design: EN 837-1
- Closing: Bayonet
- Mounting: See attached diagram **A** , **B**, **C** or **D**
- Threaded connection: **Ø63**: ¼"BSP; **Ø100-Ø150**: ½"BSP (UNE-EN 10226-1)
- IP protection: IP65 (EN 60529 / IEC 529)
- Accuracy: **Ø63**: Class 1.6; **Ø100-Ø150**: Class 1.0
- Pressure limits:
  - Static: Full scale
  - Oscillating: 0.9 end of scale
  - Maximum: 1.3 end of scale for a short period of time
- Temperature limits:
  - Environment: -20+50°C (Glycerine) / -20+80°C (dry)
  - Fluid: Brass connection: 80°C / Steel connection: 100°C (Glycerine), 200°C (dry)
- Range: **-1...0...1000** Bar
- Scale: **Bar/Psi, Bar** or **cmHg**
- Subdivision: According to standard EN 837-1
- Antivibration fluid: **Glycerine 99.8%** or **dry**
- Pointer: Micrometric adjustment
- Sensor element: Bourdon tube (<60 Bar: "C" form; >60 Bar: helical)
- Pressure relief system: Blow-out disc
- Overtemperature relief system: Upper plug

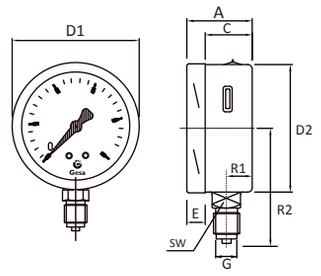
MATERIALS

- Case: AISI 304 Stainless steel
- Bourdon tube and moving parts: **Copper Alloy** or **AISI 316 Stainless steel**
- Threaded connection: **Brass** or **AISI 316 Stainless steel**
- Display: Safety glass
- Dial: White laquered aluminum
- Pointer: Black laquered aluminum
- Welding: P<250 Bar: Cu-Sn; P>250 Bar: Cu-Ag / TIG Welding
- Blow-out disc and overtemperature relief plug: Neoprene

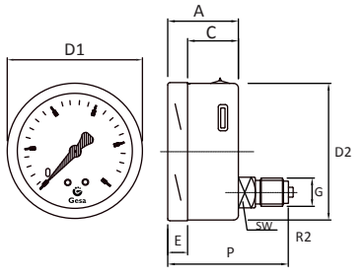
Application:

- Ship supplies
- Irrigation systems
- Air conditioning
- Food industry
- Pneumatics
- Hydraulics

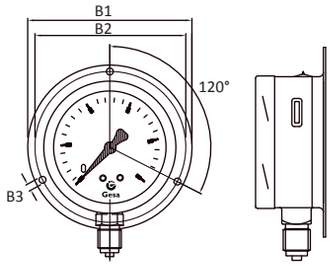
A Bottom



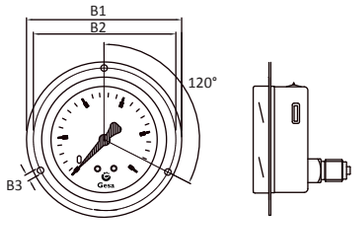
B Back



C Bottom with back flange



D Back with frontal flange



DIMENSIONS (mm)															WEIGHT (g)	
DN	Mounting	R1	A	C	D1	E	D2	G	R2	SW	P	B1	B2	B3	Without Glycerine	With Glycerine
Ø63	A/C	10	34	22	64	12	62	¼ BSP	55	14	-	86	80	3,5	158	230
Ø63	B/D	-	34	22	64	12	62	¼ BSP	-	14	56	86	80	3,5	157	228
Ø100	A/C	16	49	32	101	17	99	½" BSP	83	22	-	132	124	5	533	867
Ø100	B/D	-	49	32	101	17	99	½" BSP	-	22	86	132	124	5	550	890
Ø150	A/C	16	50	32	149	18	146	½" BSP	113	22	-	192	184	5	950	1712
Ø150	B/D	-	50	32	149	18	146	½" BSP	-	22	87	192	184	5	824	1750

How to order

1.Case diameter
Ø63 Ø100 Ø150

2.Pressure range (Bar)
-1+0 -1+1.5 -1+5 -1+12 -1+24 0+1 0+2.5 0+6 0+16 0+40 0+100 0+250 0+400 0+1000
-1+0.5 -1+3 -1+9 -1+15 0+0.6 0+1.6 0+4 0+10 0+25 0+60 0+160 0+315 0+600 -76+0

3.Pressure scale
Bar Bar/Psi cmHg

4.Mounting
A B C D

5.Threaded connection
¼"BSP ½"BSP ⅜"BSP
¼"BSPT ½"BSPT ⅜"BSPT
¼" SAE 7/16" SAE M20x150

6.Connection material
Brass
AISI 316 Stainless steel

7.Antivibration fluid
Glycerine 99.8%
Without fluid

8.Calibration certificate traceable to ENAC
7 Points Certificate
Without certificate

M0304 - | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

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