

Especially designed for difficult operating conditions like vibrations or rapid pressure changes. Suitable for use in systems with low viscosity that do not attack copper alloys such as cooling systems.

Manufactured according to EN 837-1 standards.

### STANDARD PARAMETERS

Design: EN 837-1

Closing: Sealed ring

Mounting: See attached diagram **A**, **B**, **C** or **D**

Threaded connection: **Ø63**: ¼" BSP; **Ø80**: ⅜" BSP; **Ø100**: ½" BSP (UNE-EN 10226-1)

IP protection: IP65 (EN 60529 / IEC 529)

Accuracy: Class 1.6

Pressure limits:

$P \leq 10$  bar: 125%

$10 < P \leq 160$  bar: 110%

$P > 160$  bar: 105%

Temperature limits:

Environment: -20+50°C

Fluid: Brass connection: 80°C / Steel connection: 100°C

Range: -1...0...1000 Bar

Scale: Bar/Psi, Bar or cmHg

Subdivision: According to standard EN 837-1

Antivibration fluid: Glycerine 99.8%

Sensor: Bourdon tube (<60 Bar: "C" form; >60 Bar: helical)

Overtemperature relief system: Upper plug

### MATERIALS

Case: AISI 304 Stainless steel

Bourdon tube and moving parts: Copper Alloy

Threaded connection: Brass

Display: Polycarbonate Thickness: **Ø63**: 2.8mm | **Ø80**: 3mm | **Ø100**: 3.5mm

Dial: White laquered aluminum

Pointer: Black laquered aluminum

Welding:  $P < 250$  Bar: Cu-Sn;  $P > 250$  Bar: Cu-Ag / TIG Welding

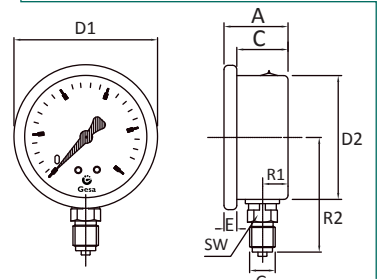
Overtemperature relief plug: Neoprene



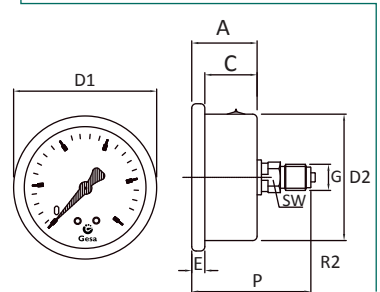
### Application:

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

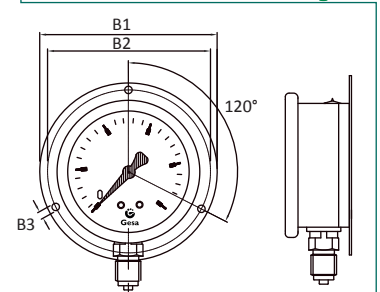
### A Bottom



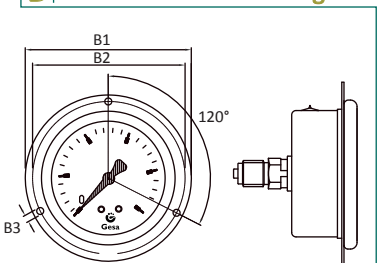
### C Back



### B 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	WEIGHT (g)
Ø63	A/B	10	29	23	68	6	61	¼ BSP	56	14	-	86	80	3,5	188
Ø63	C/D	-	29	23	68	7	61	¼ BSP	-	14	58	86	80	3,5	184
Ø80	A/B	10	30	22	88	8	80	⅜ BSP	60	17	-	112	104	5	335
Ø80	C/D	-	30	22	88	8	80	⅜ BSP	-	17	61	112	104	5	299
Ø100	A/B	16	37	29	109	8	99	½" BSP	83	21	-	132	124	5	550
Ø100	C/D	-	37	29	109	8	99	½" BSP	-	21	77	132	124	5	547

### How to order

#### 1. Case diameter

Ø63    Ø80    Ø100

#### 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

#### 6. Connection material

AISI 316 Stainless steel

#### 7. Antivibration fluid

Glycerine 99.8%

#### 8. Calibration certificate traceable to ENAC

7 Points Certificate  
 Without certificate

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