

bourdon tube pressure gauges

anti-vibration version

DS 2.5" (63mm)



PED 2014/68/EU

These instruments are built in compliance with the construction and safety S2 specifications of standard EN 837-1.

Instruments designed for use in power station units, pumps, hydro-cleaning machines, presses, engine compressors, turbines, diesel engines, as well as in chemical, petrochemical, and refrigerating plants. They are also suitable for machines and equipment exposed to pulsating pressures or mechanical vibrations. These instruments can be used with gaseous or liquid media that do not corrode copper alloys, have low viscosity, and do not crystallize.

1.10.2 - Fillable Model

Design: EN837-1.

Safety designation: S2 as per EN 837-1.

Ranges: from 0...15 to 0...10000 psi (from 0...1 to 0...600 bar or other equivalent units).

Accuracy class: 1,6 as per EN 837-1.

Ambient temperature: -13...+149°F (-25...+65 °C).

Process fluid temperature: +212°F (max +100 °C).

Thermal drift: max $\pm 0,4$ %/10 °C of ranges (starting from + 68 °F - 20 °C).

Working pressure:

75% of FSV for static pressure;

66% of FSV for pulsating pressure.

Over pressure limit (15 min max):

25% of FSV for pressure ranges $\leq$ 1500 psi (100 bar);

15% of FSV for pressure ranges over 1500 psi (100 bar).

Protection degree: IP 67 as per EN 60529/IEC 529.

Socket material: copper alloy.

Bourdon tube: copper alloy.

Case: stainless steel.

Ring: stainless steel, polished, crimped

Window: polycarbonate.

Movement: copper and stainless steel.

Dial: plastic, white with black markings

Pointer: not adjustable, aluminium, black

1.10.3 - Filled Model

Damping liquid: glycerine 98% or silicon oil.

Ambient temperature:

+32...+149 °F (0...+65 °C) with glycerine filling;

-40...+149 °F (-40...+65 °C) with silicon oil filling.

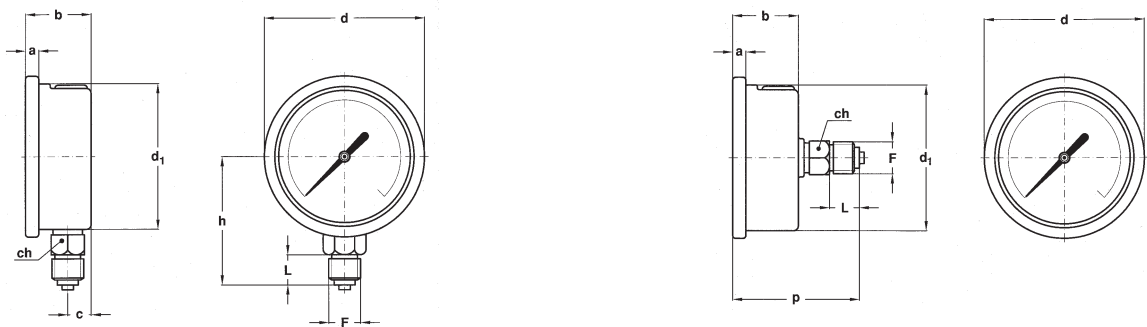
Process fluid temperature: max +149°F (+65 °C).

Other features: same as fillable model.

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MGS10



A - LOWER CONNECTION

D - BACK CONNECTION

Mounting	F	a	b	c	d	d ₁	h	p	L	ch	Weight (1)
Lower	21M - G 1/4 A	0.22"	1.10"	0.39"	2.67"	2.46"	2.17" - 2.13"		0.51"	0.51" x 0.35"	0.28 lbs
	23M - 1/4-18 NPT	(5,6)	(28)	(10)	(68)	(62,6)	(55,3 - 54,3)		(13)	(14 x 9)	(0,13 kg)
Back	21M - G 1/4 A	0.22"	1.10"		2.67"	2.46"		1.81" - 2.11"	0.39"	0.51" x 0.35"	0.30 lbs
	23M - 1/4-18 NPT	(5,6)	(28)		(68)	(62,6)		(54,8 - 53,8)	(13)	(14 x 9)	(0,14 kg)

dimensions : inches (mm)

(1) add 0.15 lbs (0,07 kg) when filled

OPTIONS

Model	fillable	filled
B - "U"-clamp, for back connection pressure gauges	◆	◆
C - Back flange, for lower connection pressure gauges	◆	◆
E - Front flange, for back connection pressure gauges	◆	◆
Q03 - Dial: aluminium (min. 100 pz)	◆	◆
S06 - Restrictor plug ø 0.015 " (0,4 mm).	◆	◆
P01 - Suitable for filling with silicone	◆	
S10 - Silicone filling		◆
T37 - Tempered glass window	◆	◆

(1) Safety designation: S1 as per EN 837-1.

“HOW TO ORDER” SEQUENCE

Section / Model /Case / Mounting / Diameter / Range / Process connection / Options

1

10

2

A

C

21M

B, C, E

3

D

23M

Q03...T37

