

bourdon tube pressure gauge all stainless steel construction DS 2.5" (63mm)



Model FIT MGS 18

These instruments are designed for use in food, beverage, pharmaceutical, cryogenic, chemical and petrochemical processing industries, and in conventional and nuclear power plants, to measure gaseous or liquid media which do not have high viscosity or do not cristalize. They are built to resist the most severe operating conditions created by the ambient environment and the process medium. For use on power units, pumps, hydro-cleaning machines, presses, engine compressors, turbines, diesel engines, chemical, petrochemical and refrigerating plants and on machines and equipment where pulsating pressures or mechanical vibrations are apparent, the liquid-filled version is recommended.

1.18.1 - Standard Model

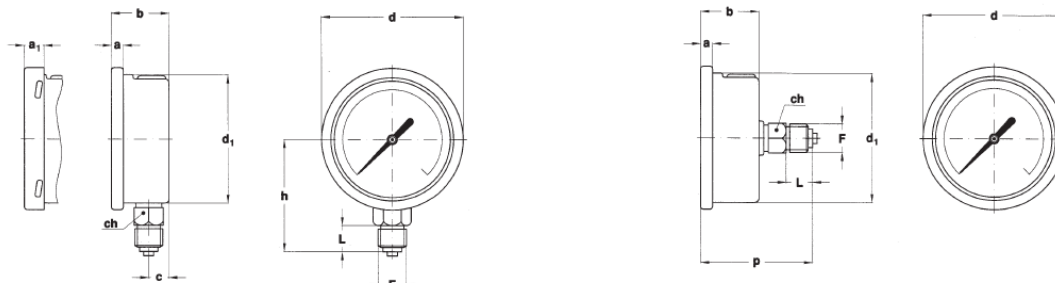
Design: EN 837-1.
Safety designation: S1 as per EN 837-2.
Ranges: from 0...15 to 0...15000 psi; (from 0...1 to 0...1000 bar, or other equivalent units).
Accuracy class: 1.6 as per EN 837-1.
Ambient temperature: -40...+149 °F (-40...+65 °C).
Process fluid temperature: max +212°F (+100 °C).
Thermal drift: ±0,4 % / 10 °C of range (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 ≤ 1500 psi (100 bar);
 15% of FSV for pressure ranges 1500...9000 psi (100...600 bar);
 10% of FSV for pressure ranges over 9000 psi (600 bar).
Protection degree: IP 55 as per IEC 529.
Socket material: AISI 316L st.st.
Bourdon tube: AISI 316L st.st.
Case: stainless steel.
Ring: stainless steel, bayonet lock.
Window: glass.
Movement: stainless steel.
Dial: plastic white with black markings.
Pointer: adjustable, aluminium, black.

1.18.2- Fillable Model

Protection degree: IP 67 as per IEC 529.
Ring: stainless steel, crimped.
Pointer: not adjustable, aluminium, black.
Other features: as Standard Model.

1.18.3 - Filled Model

Damping liquid: glycerine 98% or silicon oil.
Ambient temperature:
 +32...+149 °F (0...+65 °C) with glycerine filling;
 -4...+149 °F (-20...+65 °C) with glycerine mixture filling;
 -40...+149 °F (-40...+65 °C) with silicon oil filling.
Process fluid temperature: max +149°F (+65 °C).
Protection degree: IP 67 as per IEC 529.
Ring: stainless steel, crimped.
Pointer: not adjustable, aluminium, black.
Other features: as Standard Model



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

dimensions : inches (mm)

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



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