

# bourdon tube pressure gauges stainless steel construction DS 4" (100mm)

# MGS44

- Laser calibration
- Free zero
- Fillable with glycerine "on site"
- Wetted parts in AISI 316L
- Safety plug



They are designed for industrial use. They are suitable for tough working conditions and for aggressive fluids. An exclusive Laser calibration procedure features each instrument and allows a very precise accuracy. Filling the case with dampening liquid prevents any condensation and the entrance of corrosive atmosphere increasing its resistance to vibrations and to pulsating pressures.

## 1.44.2 - Fillable Model

**Design:** EN 837-1.

**Safety designation:** S1 as per EN 837-2.

**Ranges:** from 0...15 to 0...6000 psi (from 0...1 to 0...400 bar or equivalent units).

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

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

**Process fluid temperature:** -13...+212 °F (-25...+100 °C).

**Thermal drift:** max ±0,4 % / 10 °C of scale 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 over 1500 psi (100 bar).

**Protection degree:** IP 67 as per IEC 529.

**Socket material:** AISI 316L st.st.

**Elastic element:** AISI 316L st.st.

**Case:** stainless steel

**Ring:** stainless steels, crimped

**Window:** tempered glass.

**Movement:** copper and stainless steel.

**Dial:** aluminium, white with black markings, or with double red and black markings.

**Pointer:** not adjustable, aluminium, black.

## 1.44.3 - Filled Model

**Damping liquid:** glycerine 98%, 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:** as fillable model.



For use in potentially explosive atmospheres, instruments must be designed in conformity to ATEX 94/9/CE. This version is shown on separate data sheet available on request.

