

# Pressure gauge all stainless steel

## MX

### Bourdon pressure gauge all stainless steel version



#### ● Description

The pressure gauges of the MX series are fully made of stainless steel and are suitable for the process industries: chemical, petrochemical, canning, food, pharmaceutical, machine building and plants in general.

They are recommended in presence of aggressive liquids or gases, not particularly viscous or crystallizing, and in harsh environments because of their shock resistance. Characterized by a very long life.

The version with dampening liquid filling is recommended for dynamic pressures and high vibrations.

#### ● Main features

- Full stainless steel construction
- Shocks resistant
- Excellent long life
- Bayonet bezel for easy inspection
- Conform to the EN837-1 norm
- IP65

#### ● Applications

- Chemical, petrochemical, food and pharmaceutical industry
- Aggressive non-viscous liquids
- Aggressive gases
- Glycerine filled in presence of vibrations

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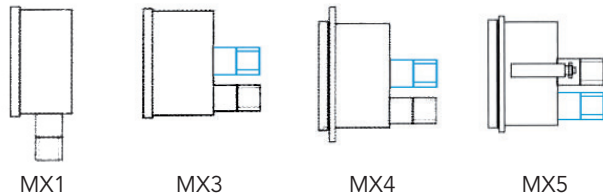
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## Technical data sheet

Dial size in mm	Ø63; Ø100; Ø150
Accuracy	CL.1 (Ø100; Ø150) according to EN 837-1 CL.1,6 (Ø63) according to EN 837-1
Case and bezel	Stainless steel AISI 304 with bayonet clutch and NBR safety plug
Process connection	Stainless steel AISI 316; thread according to UNI ISO 228/1 - ¼" G-M for Ø63 - ½" G-M for Ø100 e Ø150
Elastic element	Bourdon s.s. AISI 316L TIG welding to the connection
Movement	Stainless steel AISI 304
Pointer	Black anodized aluminum adjustable
Window	Glass 3mm for dry version Plastic 3mm for filled version
Window gasket	Rubber NBR
Dial	White aluminum, black scale and graduation according to EN837-1
Operating pressure	- Constant 75% V.F.S. - Changeable 60% V.F.S.
Operating temperature	- Ambient -30÷65 °C dry version - Ambient -5÷65°C filled version - Process fluid -40÷180°C dry version - Process fluid -5÷70°C filled version
Overpressure	Up to 60 bar = 25% V.F.S. From 100 bar = 15% V.F.S.
Thermal drift	Max ±0,3% of span every 10°C of deviation from the reference temp. of 20°C
Liquid filled	Glycerin 90% in presence of ammonia, oxygen, nitric acid or other oxidizing products and in general for petrochemical industry, the use of glycerine is inadvisable.
Ip degree	IP55 dry version IP65 filled version According to EN 60529
Weights	Ø63 = 0,2 kg dry / 0,3 kg filled Ø100 = 0,8 kg dry / 1,1 kg filled Ø150 = 1,2 kg dry / 1,8 kg filled

### ● Mounting



- MX1: Bottom connection  
MX3: Back connection  
MX4: Back connection and frontal flange 3 holes  
MX5: Back connection and back bracket

### ● Ranges

Vacuum and compound gauges pressure in bar		Pressure gauges, pressure in bar					
-1÷0	-1÷0÷5	0÷0,6	0÷2,5	0÷10	0÷40	0÷160	0÷600
-1÷0÷0,6	-1÷0÷9	0÷1	0÷4	0÷16	0÷60	0÷250	0÷1000
-1÷0÷1,5	-1÷0÷15	0÷1,6	0÷6	0÷25	0÷100	0÷400	0÷1600
-1÷0÷3	-1÷0÷24	Per Ø63 max pressure 600 bar					

### ● Options

- Special range scales: Single; double (bar/psi - bar/Kpa)
- Special connection
- Min/max dragging pointers (Ø100 e Ø150)
- Silicone oil filling
- Degreasing for oxygen use