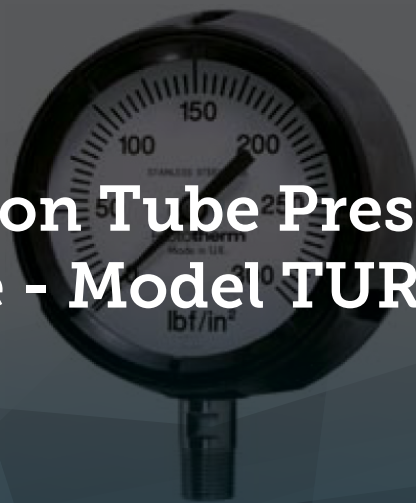




Bourdon Tube Pressure Gauge - Model TURRET



Bourdon Tube Pressure Gauge - Model TURRET

FEATURES

- Phenolic case has high resistance to atmospheric and chemical corrosion
- Full safety pattern to EN837
- Available with stainless steel or Monel wetted parts
- Class 0.5 Accuracy to EN837 (dry gauges)

DESCRIPTION

Turret style gauges are used extensively in harsh environments - primarily those found in chemical and off shore industries.

As part of their design, turret gauges are suitable for both direct and surface mounting, moulded spacer legs at three fixing points allow the back to blow out, even if the gauge is surface mounted.



DIMENSIONS IN MM

NS	Dimensions in mm						
	A	B	C	E	F	G	H
115	12.5	24.5	73.5	148	130	137.5	6

Drawings are for illustration purposes on and are not to scale

TECHNICAL SPECIFICATION

Case: Phenol

Window: Safety glass as standard, laminated safety glass or perspex (option)

Ingress Protection: IP65 as per EN 60 529 / IEC 529

Pressure Element: Bourdon tube in AISI 316 stainless steel or Monel 400 to NACE specification MR-01-75

Pressure Ranges: 30" Hg VAC to 30000 psi (-1 to 2000 bar) Please refer to standard pressure ranges table

Process Connections: 1/4", 3/8" or 1/2" BSP male, 1/4" or 1/2" NPT male other connections available on request

Mounting: Direct / surface mounting with bottom entry

Dial: Aluminium - white with black scale markings

Pointer: Aluminium, black finish (micrometer adjustable option)

Movement: AISI 304 Stainless steel

Movement: AISI 304 Stainless steel

Operating Temperature:

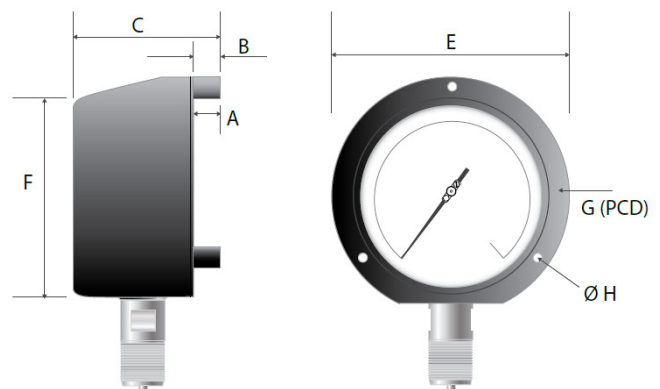
Ambient: -20 +65 °C (for non-glycerine filled gauges) -20 +65 °C (for gauges with glycerine filling)

Process: +200 °C maximum (for non-glycerine filled gauges) +65 °C maximum (for gauges with glycerine filling)

Liquid Filling (option): Glycerine

Accuracy: Class 0.5 to EN837 (for non-glycerine filled gauges) Class 1.0 to EN837 (for glycerine filled gauges)

Weights (approx.): Dry 1.25 kg Filled 1.65 kg



Direct / Surface Mounted Bottom (Vertical) Entry

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STANDARD PRESSURE RANGES

Below is a list of standard pressure ranges that are available. Gauges may be ordered with dual scales. Other units and non-standard ranges are available on request.

Bar	
-1 to +1.5 bar	0 to 40 bar
-1 to +3 bar	0 to 60 bar
-1 to +5 bar	0 to 70 bar
-1 to +9 bar	0 to 100 bar
0 to 1 bar	0 to 160 bar
0 to 1.6 bar	0 to 250 bar
0 to 2.5 bar	0 to 300 bar
0 to 4 bar	0 to 400 bar
0 to 6 bar	0 to 600 bar
0 to 7 bar	0 to 1,000 bar
0 to 10 bar	0 to 1,200 bar
0 to 16 bar	0 to 1,600 bar
0 to 20 bar	0 to 2,000 bar
0 to 25 bar	

PSI	
30" Hg vacuum to 15 psi	0 to 600 psi
30" Hg vacuum to 30 psi	0 to 800 psi
30" Hg vacuum to 60 psi	0 to 1,000 psi
30" Hg vacuum to 100 psi	0 to 1,600 psi
0 to 10 psi	0 to 2,000 psi
0 to 15 psi	0 to 3,000 psi
0 to 25 psi	0 to 4,000 psi
0 to 30 psi	0 to 6,000 psi
0 to 60 psi	0 to 10,000 psi
0 to 100 psi	0 to 15,000 psi
0 to 120 psi	0 to 16,000 psi
0 to 200 psi	0 to 20,000 psi
0 to 300 psi	0 to 25,000 psi
0 to 400 psi	0 to 30,000 psi

kg/cm ²	
-1 to +1.5 kg/cm ²	0 to 40 kg/cm ²
-1 to +3 kg/cm ²	0 to 60 kg/cm ²
-1 to +5 kg/cm ²	0 to 70 kg/cm ²
-1 to +9 kg/cm ²	0 to 100 kg/cm ²
0 to 1 kg/cm ²	0 to 160 kg/cm ²
0 to 1.6 kg/cm ²	0 to 250 kg/cm ²
0 to 2.5 kg/cm ²	0 to 300 kg/cm ²
0 to 4 kg/cm ²	0 to 400 kg/cm ²
0 to 6 kg/cm ²	0 to 600 kg/cm ²
0 to 7 kg/cm ²	0 to 1,000 kg/cm ²
0 to 10 kg/cm ²	0 to 1,200 kg/cm ²
0 to 16 kg/cm ²	0 to 1,600 kg/cm ²
0 to 20 kg/cm ²	0 to 2,000 kg/cm ²
0 to 25 kg/cm ²	

kPa	
-1 to +1.5 kPa	0 to 4,000 kPa
-1 to +3 kPa	0 to 6,000 kPa
-1 to +5 kPa	0 to 7,000 kPa
-1 to +9 kPa	0 to 10,000 kPa
0 to 100 kPa	0 to 16,000 kPa
0 to 160 kPa	0 to 25,000 kPa
0 to 200 kPa	0 to 30,000 kPa
0 to 400 kPa	0 to 40,000 kPa
0 to 600 kPa	0 to 60,000 kPa
0 to 700 kPa	0 to 100,000 kPa
0 to 1,000 kPa	0 to 120,000 kPa
0 to 1,600 kPa	0 to 160,000 kPa
0 to 2,000 kPa	0 to 200,000 kPa
0 to 2,500 kPa	

DIAPHRAGM SEAL UNITS

Model TURRET can be fitted with a diaphragm seal unit if required.

The fitting of a diaphragm seal unit to a pressure gauge is recommended where the medium to be measured is highly viscous or contains suspended solids or is potentially corrosive to the Bourdon Tube.

Seal units are normally connected directly to the gauge, but connection may be made by flexible capillary, which makes them ideal for remote pressure indication.

Flexible capillary can be used to facilitate the fitting of a gauge in a surface or panel mounting location.

Maximum capillary length is 5 metres.

Pressure is transmitted from the diaphragm seal unit to the bourdon tube by a suitable filling medium, the selection of which will ensure compatibility with the process and process temperature. Where it is known that the instrument will be used on processes subject to extremes of temperature, the temperature at the tapping point should be advised at the time of ordering.

Bourdon Tube Pressure Gauge - Model TURRET

ORDERING INFORMATION

Model / Nominal Dial Size

TURRET / 115 mm **TURRET**

Mounting

Direct / Surface mounted (3 hole rear flange), bottom entry **B**

Pressure Element (wetted parts)

316 stainless steel block & bourdon tube **SS**

Monel block & bourdon tube to NACE specification MR-01-75* **MM**

Process Connection

1/4" NPT male **02**

3/8" BSP male **13**

1/2" BSP male **14**

1/2" NPT male **04**

Case Material

Phenol **Q**

Pressure Range

Select pressure range from standard pressure range table or insert non standard pressure range **XXX**

Option(s)

Select option(s) required

- Glycerine Filling **G**
- Glycerine fillable, supplied dry **GF**
- Perspex Window **P**
- Internal Restrictor Screw Fitted **R**
- Internal Stops **S**
- Wetted parts to NACE MR-01-75 (Monel pressure element must be selected) **Z**

