



LSS SERIES BOURDON TUBE PRESSURE GAUGE





Application

- For gaseous and liquid aggressive media that are not highly viscous or crystallizable, also in aggressive environments, use the filled version for high dynamic pressure vibration.
- Process industries including chemical plants, petrochemical refineries, pharmaceutical, food and beverage processing, offshore oil platforms, papermills, salt mines, fertilizer plants and on shipboard should consider this product for handling aggressive fluids under high pressure or vibration conditions, provided the fluids are not highly viscous or prone to crystallization.

Features

- Enables laser welding between case and connection
- Provides over-range protection up to 1.3x maximum pressure
- Rated for pressures up to 1000 bar
- Constructed from all stainless steel

Specifications

Nominal Size

63mm, 100mm and 150mm

Design

EN 837-1

Accuracy Class

63mm: 1.6

100mm and 150mm: 1.0

Scale Range

Pressure: 0-0.6 to 1000bar

Vacuum: -1bar to 0

Compound: -1 to 24bar

or other equivalent units of pressure or vacuum

Operating temperature

Ambient: -40+60 deg C without liquid filled

-20+60 deg C with glycerin filled

Medium: +200 deg C maximum without liquid filled

+100 deg C maximum with liquid filled

Protection class

IP 66

Material

Case: AISI 304 stainless steel

Bezel ring: AISI 304 DIN bayonet ring

Window

Toughened glass

Additional Features

Liquid Filling

Dry but fillable as standard; glycerine or silicone oil fillable.

Dial plate

Aluminum with pointer stop and white background. Single scale has black marking; dual scale has black and red marking.

Pointer

Black aluminum, micro-adjustable for 4" and 6".

Liquid Filling

AISI 316L stainless steel

- 63mm: C-type
- 100bar: helical type
- Movement: AISI 304 stainless steel

Process connection

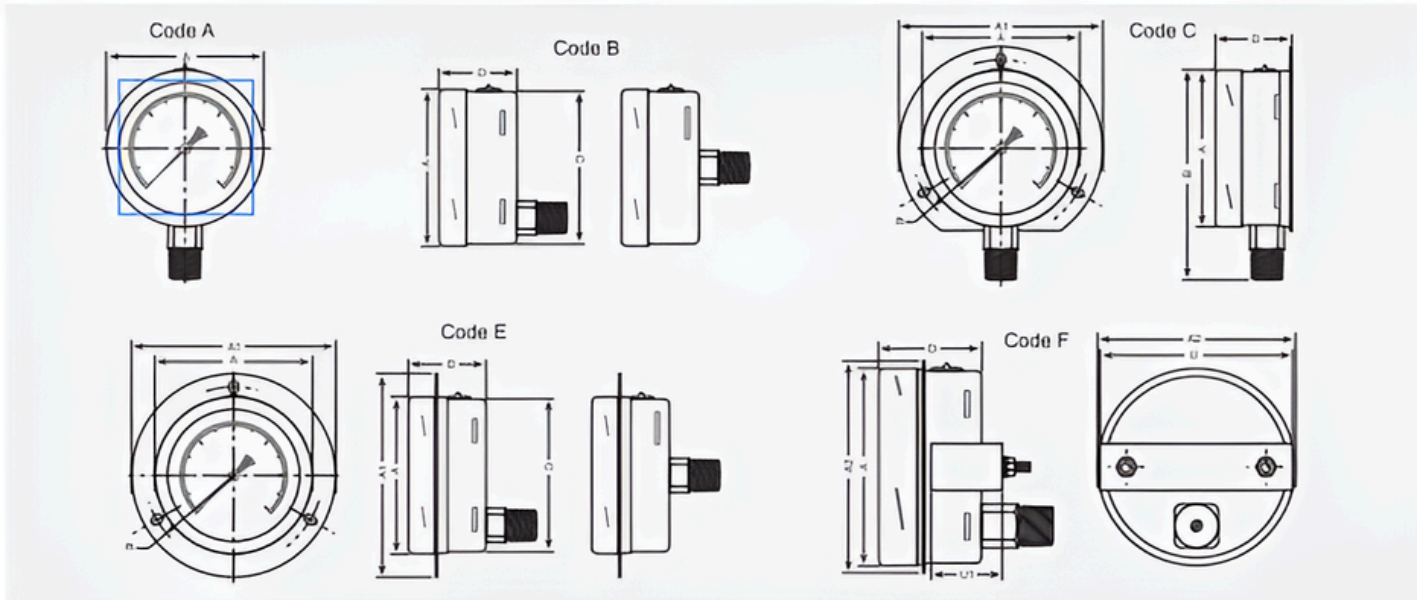
AISI 316 stainless steel, laser welded with gauge case.

63mm has G1/4"B male connection; 100mm and 150mm have G1/2"B male connection.

Options

- NPT, BSPT or other process connection thread
- Restrictor (RS)
- Special face design
- Glycerin 99.5% filled (GF)
- Silicone oil filling (SF)
- Refrigeration Scale (RF)
- Ammonia NH3 scale (AM)
- Blow-out rubber at back of 100mm and 150mm case (BO)
- Compensation oil cap for range up to 16bar (CC)
- 160mm dial size (160)
- Laminated safety glass window (SF)

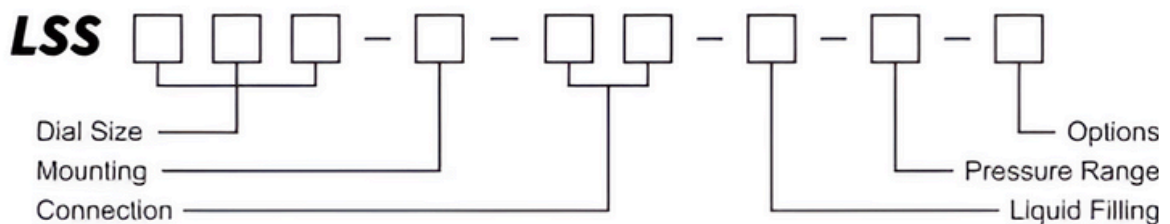
Dimension Drawing



DIAL SIZE	A	A1	A2	B	C	D	R	U	U1
2.5"	63.5	088	070	85	0 62	32	36.92	91.5	18
4"	0 101	0 131	108	134	0 99	49	58.75	105	32
6"	0 149	0 193	0 157	186	0 147	49.5	88.13	154	32

Specification and dimension in this catalogue shown the state of engineering standard at printing period, can be changed without prior notice

How to order:



Code Dial Size

063 63mm (2.5")
 100 100mm (4")
 150 150mm (6")

Code Mounting

A Bottom Connection
 B Back Connection
 C Bottom Connection with back flange
 E Back Connection with front flange
 F Back Connection with U-Clamp

Code Liquid Filling

D Dry but fillable
 G Glycerine filled
 S Silicone oil filled

Code Connection

4 1/4"
 2 1/2"
 8 1/8"
 3 3/8"
 N NPT
 B BSP B with end stub
 T BSPT

Pressure Range

See Standard Pressure Ranges

Options

See options