# B32.ST+DS34 Flange Diaphragm Pressure Gauge –Threaded Connection

LANSO

Pressure measuring




## Description

For Measuring Pressure in fluids that are highly viscous, crystalizing, solidifying or contains small grains, to prevent crystallization or clogging in the vent.
Can be used in high-pressure applications.

## Applications

- Oil and Gas
- Petrochemical Industry
- Electrical Equipment
- Mechanical Processing
- Food and Beverage
- Biopharmaceutical Industry

## Features

- Stainless Steel Casing Enclosure
- Versatile on Various Fluids
- Fast Connection
- Shared Connection with Pressure Gauge

## Options:

- Process Connection Dimension Customizable
- Dial Customizable

## Technical Specs

**Standard**
JBT 8624–1997
Pressure Gauge Complies with EN837–1, GB/T 1226

**Certification:** CPA (China)

**Nominal Size (mm):** 63，100

**Accuracy:** 63mm 1.6% & 2.5%
100mm 1.0% & 1.6%

**Pressure Limits:**
- Steady State: 3/4 x Full Scale Range
- Fluctuating: 2/3 x Full Scale Range
- Short Time: Full Scale Range

**Overpressure:**
≤10MPa: 125% x Full Scale Range
>10MPa，≤60MPa: 115% x Full Scale Range

**Temperature Effect:**
When the ambient temperature deviates from 20℃, the reading can deviated to a maximum of ±0.01% / 10K (degrees in Celsius/Kelvin).

**Wetted Material:**
Stainless Steel 316L

**Pressure Element:**
Stainless Steel 316L, C–Type

**Case Material:** Stainless Steel

**Movement:** Stainless Steel

**Dial:**
- Aluminum.
- Black Text on White Background.

**Pointer:**
Aluminum. Black

**Window:**
Glass, Safety Glass, Organic Glass

**Process Connection:**
Bottom–Mounted

**Diaphragm Filling:**
Silicone, Neobee M–20 (Edible Oil), Others

**Case Filling:**
No Fill, Glycerin, Silicone, Others

**Working Temperature:**
- Silicone –20℃ to +60℃
- Neobee M–20 –20℃ to +40℃

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## Standard Measuring Range

| | | | | | | |
|---|---|---|---|---|---|---|
| MPa | -0.1~0 | -0.1~0.06 | -0.1~0.15 | -0.1~0.3 | -0.1~0.5 | -0.1~0.9 |
| | -0.1~1.5 | -0.1~2.4 | 0~0.1 | 0~0.16 | 0~0.25 | 0~0.4 |
| | 0~0.6 | 0~1 | 0~1.6 | 0~2.5 | 0~4 | 0~6 |
| | 0~10 | 0~16 | 0~25 | 0~40 | 0~60 | |
| bar | -1~0 | -1~0.6 | -1~1.5 | -1~3 | -1~5 | -1~9 |
| | -1~15 | -1~24 | 0~1 | 0~1.6 | 0~2.5 | 0~4 |
| | 0~6 | 0~10 | 0~16 | 0~25 | 0~40 | 0~60 |
| | 0~100 | 0~160 | 0~250 | 0~400 | 0~600 | |
| psi | -30inHg~0 | -30inHg~15psi | -30inHg~30psi | -30inHg~60psi | -30inHg~100psi | -30inHg~150psi |
| | -30inHg~300psi | 0~15 | 0~30 | 0~6 | 0~100 | 0~160 |
| | 0~200 | 0~300 | 0~600 | 0~800 | 0~1000 | 0~1500 |
| | 0~2000 | 0~3000 | 0~4000 | 0~5000 | 0~6000 | |

★ **Range could also be converted to units including millibar (mbar), kg/cm$^2$ and kPa.**

## Dimensions

