



Pressure gauges for sanitary use

Pressure gauges

Application

The Alfa Laval pressure gauge is designed to fulfill the demands of pressure gauges in Sanitary and pharmaceutical production. It is suitable as a local indicator in filtration systems, pump system pressure vessels etc.

Features:

Wetted parts in acid-proof, stainless steel

Measuring range -1 to 40 bar

Process temperature up to 200°C

Working principle

The pressure gauge working principle is build on the Bourdon principle where pressure applied on the diaphragm is transmitted via silicone oil to a bourdon tube which is in mechanical contact with the dial, and thus indicates the pressure applied on the diaphragm

Standard range

Our standard range is supplied with a liquid-filled housing. It includes a 100 mm dial diameter and a built-in volume compensator and relief plug. The housing is made of stainless steel (AISI 304) and the clamp connection and pressure sensor are made of stainless steel (AISI 316).

Technical data

Measuring range: -1 to 1 bar

0 to 4 bar

0 to 10 bar

0 to 16 bar

0 to 16 bar

0 to 40 bar

Accuracy: Class 1.0 (±1%)

Pressure overload on diaphragm: short time 130% of FS

Mechanical data

Materials:

Wetted parts: AISI 316 or teflon

Casing: AISI304

Glass: 4 mm thick glass

Filling: FDA approved silicone oil



Operating temperature

Wetted parts: up to 200 °C.

Casing: -20 to 70 °C.

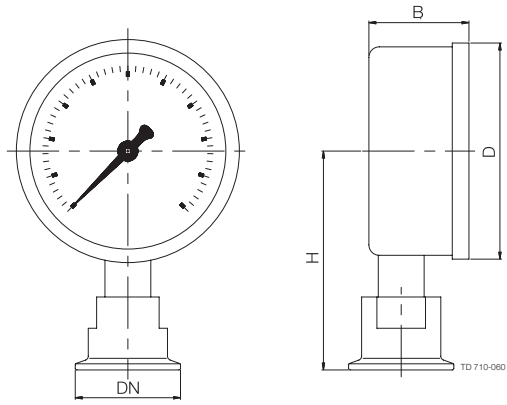
Weight

Pressure gauge with Diaphragm: approx 1 kg

Certificates

- CE marked
- 3A (option)
- FDA conformity declaration (option)
- Calibration Certificate (option)

Dimensions



B		D		H	
mm	Inch	mm	inch	mm	inch
48	1.9	107	4.2	101.5	4

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The information contained herein is correct at the time of issue,
but may be subject to change without prior notice.

How to contact Alfa Laval
Contact details for all countries
are continually updated on our website.
Please visit www.alfalaval.com to
access the information direct.