



Thermometers for sanitary use

Thermometers

Application

The Alfa Laval thermometer is designed to fulfil the demands of local temperature indication in sanitary and pharmaceutical production. Main features are: Hygienic connection, Robust design: High resistance to corrosion, damp, vibrations and wear. Accurate and long term measurement stability.

Standard range

Our standard range comes with a liquid-filled housing. It includes a 100 mm dial diameter and built-in temperature compensator. The housing is made of stainless steel (AISI 304) and the clamp connection and sensor tube is made of stainless steel (AISI 316). As options it can be delivered electro polished and with calibration certificate.



TECHNICAL DATA

Accuracy: Class 1.0
Dial size: 100 mm

Measuring ranges

0 to 60°C
0 to 100°C
0 to 120°C
0 to 160°C
0 to 200°C
-20 to 120°C

Working principle

The function is based on expansion of the filling medium in the closed sensor. The change of pressure actuates the spiral spring driving the dial movement. A built-in bimetallic coil compensates automatically for the effect on the reading caused by change of the ambient temperature. The filling media is an inert gas which is 100% neutral to the environment. This makes the thermometer ideal for use in food and pharmaceutical industries.

Certificates

- FDA conformity declaration (option)
- Calibration certificate (option)
- 3.1 certificate (option)

PHYSICAL DATA

Sensor length (L): From 50 mm to 300 mm

Materials

Wetted parts: AISI 316
Casing: AISI 304
Glass: 0.16 inch thick glass

Filling

Sensor tube: Inert FDA approved gas
Housing: FDA approved silicone oil

Weight

Thermometer with diaphragm: Approx. 1.5 kg

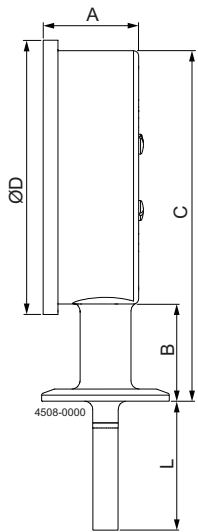
Process connections

Clamp DN38 (ISO2852) / Clamp DN40 (DIN32676)
Clamp DN50 (ISO2852) / Clamp DN51 (DIN32676)

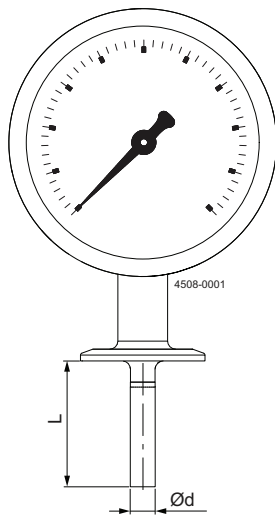
Operating temperature

Wetted parts: up to 250°C
Casing: -40 to 100°C

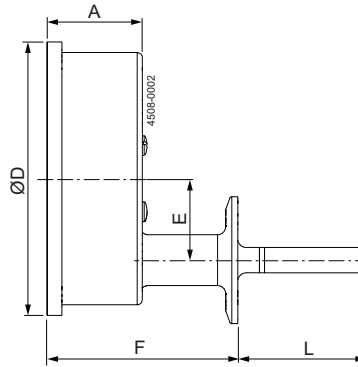
Dimensions (mm)



Clamp DN38 (ISO2852) /
Clamp DN40 (DIN32676)
TE67Dx1xxx1xxx



Clamp DN38 (ISO2852) /
Clamp DN40 (DIN32676)
TE67Dx1xxx1xxx



Clamp DN38 (ISO 2852) /
Clamp DN40 (DIN32676)
TE67Dx1xxx2xxx

A	B	C	ØD	ød	E	F
38	38	137	108	10	32	76

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How to contact Alfa Laval

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