



THERMOWELLS

Thermowells are used for any type of plants in order to protect every temperature gauge (thermocouples, thermoresistances, bulbs of thermometer) from corrosive substances, high flow speed and mechanical efforts; they are indispensable to permit the removal of the gauge while the line in which they are installed is in use.

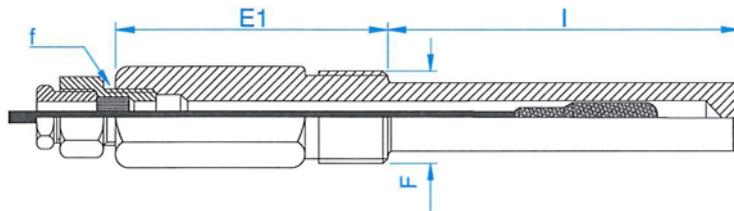
DESIGN FEATURES

TYPE: TF from pipe with threaded connection
MATERIAL: AISI 316 stainless steel
INSTRUMENT CONNECTION: (f) female thread G 1/2 - 1/2 NPT
PROCESS CONNECTION: (F) male thread or f/ange
IMMERSION: (J) length on request
It is the part immersed in the fluid; it is placed between the connection at the process (thread or flange) and the end of the stem.
EXTENSION: (Et) specify as option
Part of the thermowell between the fixing key and the connection to the process; it has the purpose to distance the thermometers from the process especially with high temperatures.

RATINGS

For fluid speed up to 50 m/s

| Material AISI 316 | Max temperature °C | | | | |
|----------------------|-----------------------|-----|-----|-----|-----|
| | 100 | 300 | 400 | 500 | 600 |
| Type | Max. pressure bar | | | | |
| From pipes | 70 | 60 | 50 | 45 | 40 |
| From bar stock | 160 | 150 | 130 | 100 | 60 |



ATTENTION

- When choosing the thermowell, it is necessary to foresee that the length of sensible part of the gauge (bulb) is always shorter than the immersion length, so that the sensible part is completely immersed in the process fluid.
- When installing the gauge make sure that thermal exchange between the thermowell and the sensible part of the thermometer (bulb) is warranted by the filling of the air film with mineral oils, metallic powders, etc.

HOW TO ORDER

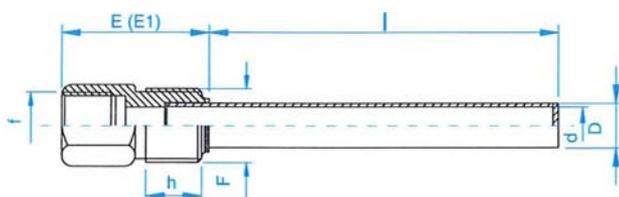
When ordering pls. specify:

| | Type | Instrument connection | Process connection | Immersion length | Extension |
|---------|------|-----------------------|--------------------|------------------|-----------|
| Example | BFL | 1/2 NPT | DN20 PN100 | 200 mm | No |

Pipe dimensions **D x d** 14 x 12 mm

Instrument connection **f** G 1/2 F- 1/2 NPT F

Threaded connection



| TF | F | [mm] | | |
|----|---------|------|----|-----|
| | | h | E | E1 |
| | G 1/2 | 20 | 45 | 100 |
| | G 3/4 | 20 | 45 | 100 |
| | G 1 | 25 | 45 | 100 |
| | 1/2 NPT | 20 | 45 | 100 |
| | 3/4 NPT | 20 | 45 | 100 |
| | 1 NPT | 25 | 45 | 100 |