

Product Information

Invasive temperature measurement API protective tube fittings



- Protective tube fittings for invasive temperature measurement in the smallest nominal widths
- Suitable for sterile processes
- Quick installation and calibration of the temperature sensor without opening the processor
- Straight and angled versions available
- Compatible with temperature sensors GTL459/479/499-0037
- Simple integration with orbital weld-on ends
- G3/8" thread for union nut

Characteristics

API protective tube fittings offer the possibility of installing and removing the temperature sensor (e.g. for calibration) without opening the process.

They are designed for checking temperatures in closed, hygienic pipeline systems and were specially developed for out temperature sensors GLT459/479/499-0037. The fittings are produced in the material 1.4435 / 316L, FDA-compliant and available in straight or angled versions in various sizes. Thanks to their design, they can be welded in pipelines easily and orbitally clean.

Pipe standard DIN 11866, Series A:

Size DN10 to DN40

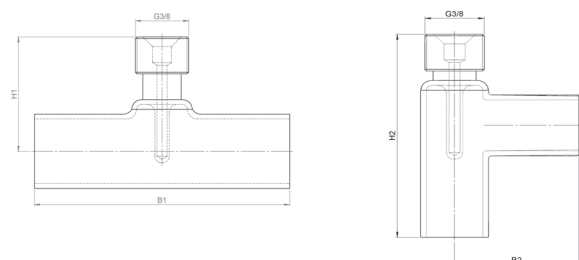
Pipe standard DIN 11866 Series B and DIN EN ISO 1127:

Size DN8 to DN32

Technical data

Material:	: 1.4435 (316L)
Surface	: Ra ≤ 0.8 µm (not in the welded area), electro-polished
Dimensions	: refer to the tables below
Tolerances	: Pipe diameter ±0,3 mm Length ±1.0 mm
Sensor connection	: Male thread G3/8"
Operating pressure	: 25 bar in acc. DIN11865 for formed pieces
Temperature sensor	: suitable for GTL459/479/499-0037

Dimensions



Dimensions in accordance with DIN11866 series A

DN	Tube [mm]	straight		angled	
		H1 [mm]	B1 [mm]	H2 [mm]	B2 [mm]
DN10	13 x 1.5	-	-	60.5	35
DN15	19 x 1.5	33.5	70	63.5	35
DN20	23 x 1.5	35.5	80	71.5	40
DN25	29 x 1.5	33.5	100	84.5	50
DN32	35 x 1.5	36.5	110	92.5	55
DN40	41 x 1.5	39.5	120	-	-

Dimensions in acc. with DIN 11866 Series B / DIN EN ISO 1127

DN	Tube [mm]	straight		angled	
		H1 [mm]	B1 [mm]	H2 [mm]	B2 [mm]
DN8	13.5 x 1.6	-	-	58	32
DN10	17.2 x 1.6	-	-	62	34
DN15	21.3 x 1.6	34.7	72	66.5	36
DN20	26.9 x 1.6	32.5	110	88	55
DN25	33.7 x 2.0	35.9	120	96.5	60
DN32	42.4 x 2.0	40.2	130	106.5	65

Ordering code

Straight version: API

1. 2. 3. 4. 5.
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1. Pipe standard	
3	DIN 11866 series A
4	DIN 11866 Series B / DIN EN ISO 1127
2. Design	
1	T-piece, straight
3. Fixed Variable	
0	
4. Nominal width	
015	✓
020	✓
025	✓
032	✓
040	-
5. Options	
00	None
01	With accept. test certificate 3.1 in acc. w DIN EN 10204

Angled version: API

1. 2. 3. 4. 5.
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1. Pipe standard	
3	DIN 11866 series A
4	DIN 11866 series B / DIN EN ISO 1127
2. Design	
2	T-piece, angled
3. Fixed Variable	
0	
4. Nominal width	
008	-
010	✓
015	✓
020	✓
025	✓
032	✓
5. Options	
00	None
01	With accept. test certificate 3.1 in acc. w DIN EN 10204