

Flange mounting component, welded (fabricated)

According to 2014/68/EU PED

Model TW70-V

WIKA data sheet SP 95.70

Applications

- Assemblies with pressure accessories for pipelines and vessels, used as components for temperature measuring locations
- Chemical, petrochemical, offshore industries
- Process technology, apparatus and plant construction
- Boilers, incinerators, furnaces and reactor vessels

Special features

- Risk analysis in accordance with pressure equipment directive (PED)
- External hydrostatic testing in accordance with the requirements of the pressure equipment directive
- Dye penetrant testing of all weld seams
- Static and dynamic investigation of the component



Flange mounting component, model TW70-V

Description

Each flange mounting component is an important part of any temperature measurement point. It is used to separate the process from the surrounding area, thus protecting the environment and operating personnel and keeps aggressive media, high pressures and flow rates from the temperature sensor itself and thereby enables the thermometer to be exchanged during operation.

Based on the almost limitless application possibilities, there are a large number of variants, such as different designs of the flange welded assembly or materials. The type of process connection and the basic method of manufacture are important design differentiation criteria.

The TW70-V flange mounting component is suitable for use with numerous electrical thermometers from WIKA.

This flange mounting component is intended for low and medium process loads making them suitable for use in the chemical industry, process technology and equipment manufacturing.

Standard version

Material

Stainless steel 1.4404, 1.4571, Alloy 600, Hastelloy X

Process connection

Flanges > DN 25 / 1" with full penetration welding or partial penetration welding ($a = 3 \text{ mm}$ [$1/8"$])

- DN 1", 1.5", 2", 3"
- PN class 150, 300, 600, 900, 1500, 2500
- Facing RF, FF, RTJ

Connection to thermometer N

1/4 NPT, 1/2 NPT, 3/4 NPT, 1 NPT (male)

Pipe dimension Ps

Size: 1/4", 1/2", 3/4", 1"
Schedule: 40, 80, 160, XXH

Insertion length U

50 ... 5,000 mm [2 ... 200 in]

Head length H

83 ... 254 mm [3.25 ... 10 in]

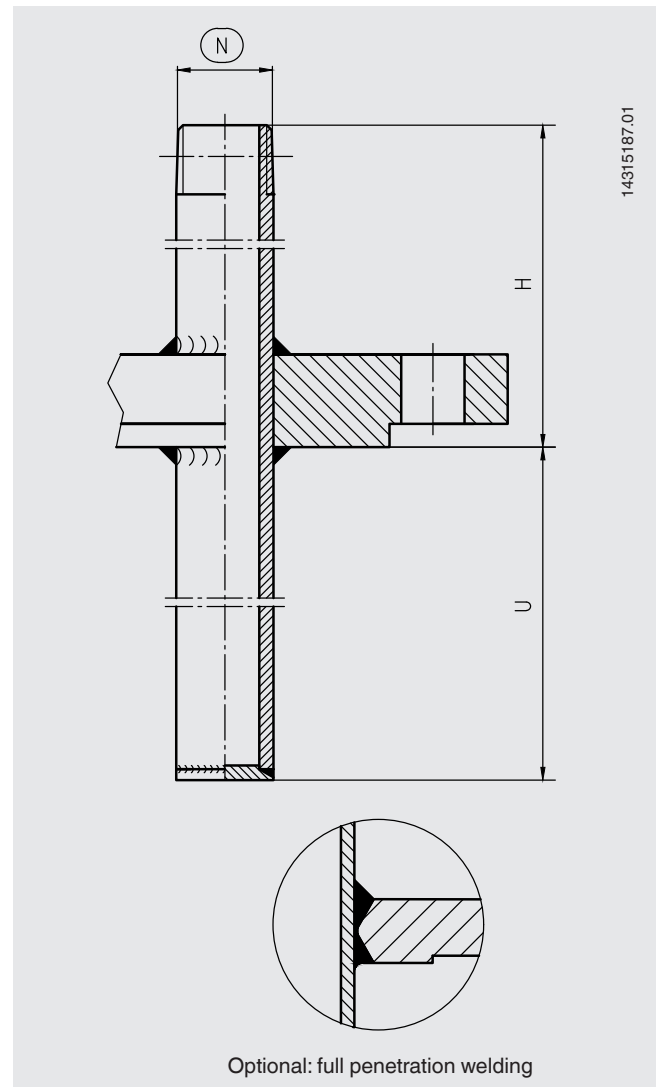
Tube length P

50 ... 5,250 mm [2 ... 210 in]

Options

- Other dimensions and materials
- Quality certificates

Dimensions in mm [in]



Legend:

- H Head length
- U Insertion length
- (N) Connection to thermometer

Approvals

Logo	Description	Country
CE	EU declaration of conformity Pressure equipment directive 2014/68/EU	European Union

Approvals and certificates, see website

Ordering information

Model / Thermowell style / Welding option / Material / Pipe size / Pipe schedule / Connection to thermometer N / Process connection / Insertion length U / Head length H / Tube length / Assembly with thermometers / Certificates / Options

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