

# TU54 Flanged barstock thermowell, US style

## Thermowell with flanged process connections and round extension



### Benefits:

- Extension, immersion length and total length can be chosen according to process requirements
- Modular configuration enable a use in all industrial processes with severe thermal and mechanical stresses
- Fast response time with conical or stepped tip form

### Specs at a glance

- **Max. process pressure (static)** 500 bar (7252 psi)
- **Maximum standard immersion length** 24"

**Field of application:** The robust thermowell is designed for use in demanding and safety relevant applications e.g. in the Chemical, Oil & Gas and Energy industry. Harsh environments, corrosive substances and highest pressures can be handled by the use of robust protection tubes and special materials.

## Features and specifications

### Thermowell

#### Measuring principle

Bar stock Thermowell

#### Characteristic / Application

US-style

flanged process connections

More information and current pricing:

[www.ca.endress.com/TU54](http://www.ca.endress.com/TU54)

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**Thermowell****Head connection**

internal thread:

1/2" NPT

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**Maximum standard immersion length**

24"

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**Process connection**

flange

ASME 1" 150 RF (B16.5)

ASME 1" 300 RF (B16.5)

ASME 1" 600 RF (B16.5)

ASME 1" 900/1500 RF (B16.5)

ASME 1.5" 150 RF (B16.5)

ASME 1.5" 300 RF (B16.5)

ASME 1.5" 600 RF (B16.5)

ASME 1.5" 900/1500 RF

(B16.5)

ASME 2" 150 RF (B16.5)

ASME 2" 300 RF (B16.5)

ASME 2" 600 RF (B16.5)

ASME 2" 900/1500 RF (B16.5)

ASME 3" 150 RF (B16.5)

ASME 3" 300 RF (B16.5)

ASME 3" 600 RF (B16.5)

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**Thermowell root diameter**

3/4"

7/8"

1 1/16"

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**Medium contact material**

316/ 316L

304

others on request

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**Wetted part finishing (Ra)**

32 µin (0.80 µin)

## Thermowell

### Tip shape

straight  
tapered  
stepped

### Temperature range

-200...700 °C (-328...1.292 °F)

### Max. process pressure (static)

500 bar (7252 psi)

### Max. process pressure at 400 °C

depends on configuration

More information [www.ca.endress.com/TU54](http://www.ca.endress.com/TU54)