

TU54 Flanged barstock thermowell, US style

Thermowell with flanged process connections and round extension



More information and current pricing:

www.ca.endress.com/TU54

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

Thermowell

Head connection

internal thread:
1/2" NPT

Maximum standard immersion length

24"

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)

Thermowell root diameter

3/4"
7/8"
1 1/16"

Medium contact material

316/ 316L
304
others on request

Wetted part finishing (Ra)32 μ in (0.80 μ in)

Thermowell

Tip shape

straight

tapered

stepped

Temperature range

-200...700 °C (-328...1292 °F)

Max. process pressure (static)

500 bar (7252 psi)

Max. process pressure at 400 °C

depends on configuration

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