

# iTHERM TT412

## Imperial Hygienic Thermowell, US Style

Designed for hygienic and aseptic applications in the Food & Beverages and Life Sciences industries



Mais informações e preço atual:

[www.br.endress.com/TT412](http://www.br.endress.com/TT412)

### Benefícios:

- iTHERM QuickNeck – cost and time savings thanks to simple, tool-free recalibration of the insert used
- All common hygienic process connections
- International certification: hygiene standards as per 3-A, EHEDG, ASME BPE, FDA, TSE Certificate of Suitability
- Fast response time owing to reduced tips with thin walls
- State of the art Tee and Elbow elements, without welds and dead legs and with best in class hygienic design

### Especificações resumidas

- **Max. process pressure (static)** 40 bar (580 psi)
- **Maximum standard immersion length** 48" (1.219 mm)

**Campo de aplicação:** Best applicable for use in hygienic or aseptic pipes and containers or tanks even with very small immersion lengths. It meets increased protection requirements of the temperature sensor regarding physical and chemical effects. Ideally suited to all measuring points that require regular re-calibration by simply replacing the insert in closed processes.

### Características e especificações

Thermowell

**Measuring principle**

Fabricated Thermowell

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**Thermowell**

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**Characteristic / Application**

imperial style

hygienic/aseptic design (3-A<sup>®</sup>, EHEDG, ASME BPE, FDA)

hygienic process connections

QuickNeck for easy and cost saving recalibration

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**Head connection**

QuickNeck

NPT1/2

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**Maximum standard immersion length**

48" (1.219 mm)

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**Process connection**

weld in adaptor

clamp connections acc. to ISO2852

thread acc. to ISO 228 for liquiphant adaptor APV Inline Varivent

T- and corner pieces DIN11865

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**Thermowell root diameter**

1/4" (6,35 mm)

3/8" (9,525 mm)

1/2" (12,7mm)

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**Medium contact material**

316L

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## Thermowell

**Wetted part finishing (Ra)**

&lt; 30 µinch (0,76 µm)

&lt; 15 µinch(0,38 µm)

&lt; 15 µinch (0,38 µm) electropolished

**Tip shape**

straight

reduced

**Temperature range**

-200...650 °C (-328...1.202 °F)

**Max. process pressure (static)**

40 bar (580 psi)

**Max. process pressure at 400 °C**

depends on process connection

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