**Technical information**

**Design of thermowells in special lengths**

**Applications**
- Temperature measurements **without** dynamic loading from process media flows (e.g. tank farms)

**Special features**
- Thermowells in special lengths made from solid-drilled components, welded together
- Fast response time and easy mounting of temperature sensors by special bore design
- Welding certification to ASME Sec. IX

**Description**

Thermowells in special lengths are made by welding several solid-drilled individual components. The thermowell has a straight profile with a tapered tip and stepped bore design in order to reduce the response times. The welded joint between the individual thermowell components is certified to ASME Sec. IX.

**Tests/certificates**
- Liquid penetrant test of the weld seams
- Hydrostatic pressure test up to 600 bar external pressure (max. 1.5-fold pressure rating of the flange)
- Hydrostatic pressure test up to 500 bar internal pressure for screw-in/weld-in type thermowells
- PMI (Positive Material Identification) of the individual components
- X-ray test of the weld seam
- 3.1 certificate
Schematic description

Applicable thermowell models

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<th>Model</th>
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as well as all solid-drilled thermowells per DIN 43772.
In rare cases a reworking of the weld seam is necessary for mounting.

You can find the data sheets for the thermowells on the internet at www.wika.com.

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