

Primary protection tube For high-temperature thermocouple Model TW83

WIKA data sheet TW 95.83

Applications

- Best-possible protection of high-temperature thermocouples e.g. in sulphur recovery units (SRU)
- For process nozzles with nominal widths 4" and 6"
- Process industry: Oil and gas, petrochemical industry, chemical industry

Special features

- For horizontal and vertical installation
- Can be used with thermocouple models TC80, TC82, TC83 Calitum® or TC84
- High mechanical stability



Primary protection tube, model TW83

Description

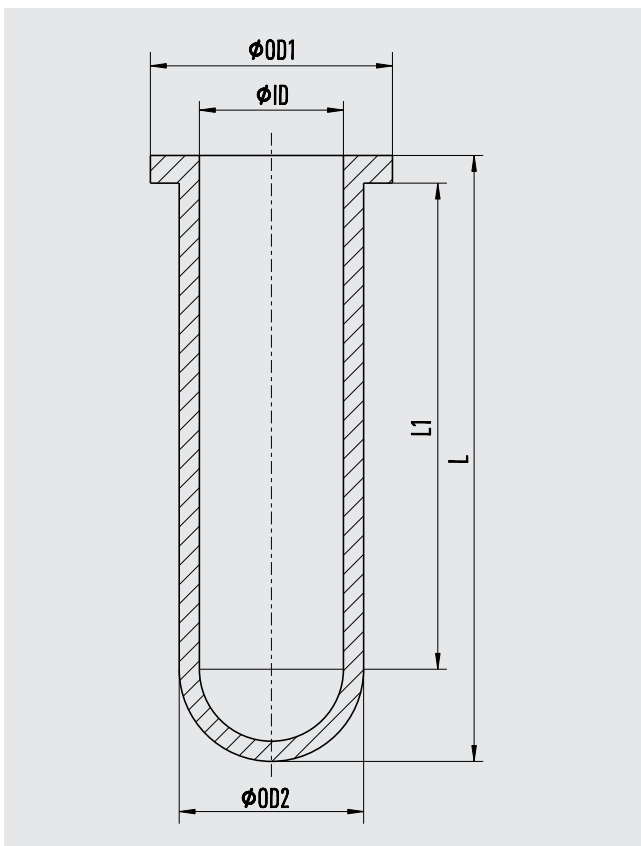
The primary protection tube (first process-side protection tube) effectively protects the thermocouple from damage caused by thermally induced movement of the refractory lining during the operation of the reactor.

Furthermore, the primary protection tube, when properly installed, effectively delays corrosion damage to the flange nozzle caused by aggressive process media.

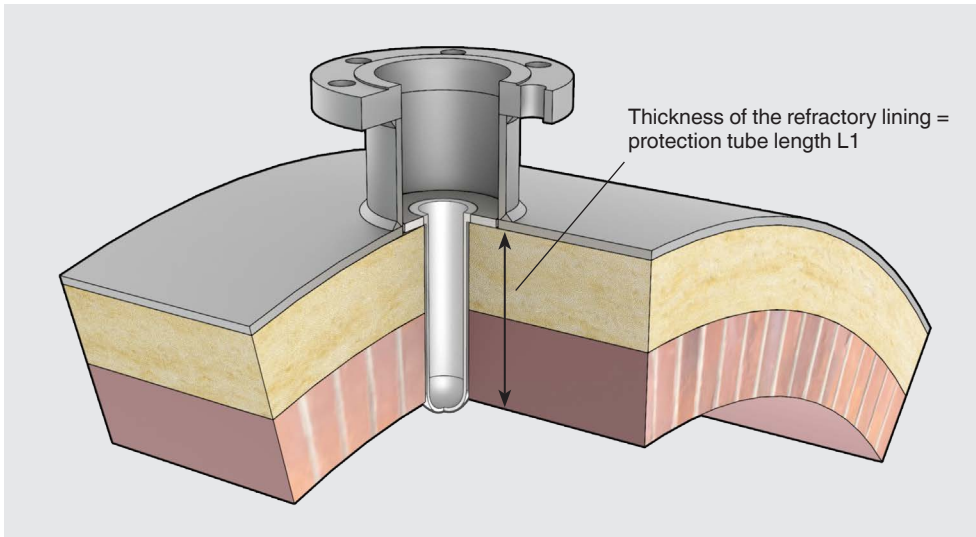
Specifications

Primary protection tube, model TW83	
Process nozzle	<ul style="list-style-type: none"> ■ 4" (for retrofitting) ■ 6" (recommended for new installations)
Thickness of the refractory lining	Max. 540 mm [21.26 in] An exact specification of the refractory lining thickness is necessary, as the protection tubes are individually adapted to the dimensions of the reactor refractory lining.
Protection tube material	C799
Collar diameter OD1	88 mm [3.46 in]
Inner diameter ID	60 mm [2.36 in]
Outer diameter OD2	78 mm [3.07 in]
Protection tube length L1	Max. 540 mm [21.26 in]
Overall length L	Max. 597 mm [23.50 in]

Dimensions in mm [in]



- Legend:
- OD1 Collar diameter
 - ID Inner diameter
 - OD2 Outer diameter
 - L1 Protection tube length
 - L Overall length



Ordering information

Model / Thickness of the refractory lining / Options

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The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.

