

Thermowell Form 8 – DIN 43772

for thermometers with union nut - multi-part

SR

APPLICATION

Thermowells/Protective tubes made of thermally conductive materials serve to separate the temperature measuring device from the medium being measured. For pressurized media, a thermowell/protective tube is highly recommended. Furthermore, a protective tube protects the thermometer from aggressive substances and allows for easy replacement of the thermometer. Thermometers.

The maximum static pressure load of the protective tubes of type SR Form 8 depends on the material used and the pressure-temperature load.

EXECUTION

- Screw-in thermowell
- multi-part - brazed or welded
- Thermometer connection G1/2" or G3/4"
- Immersion shaft thermometer \varnothing 6, 8 or 10mm
- Materials: Brass, steel or stainless steel 1.4571

APPLICATION

- Chemistry, process engineering, apparatus engineering
- under low and medium process loads

DESCRIPTION

- Process connection G1/2" or G3/4"
- Connection to the thermometer with union nut G1/2" or G3/4"
- Bore according to DIN \varnothing 7mm, \varnothing 9mm, \varnothing 11mm
- Bore design: quick response, \varnothing 6.2mm, \varnothing 8.2mm
- Installation length U1 = 73mm, 110mm, 170mm, 210mm, 260mm
- Total length L = U1 + 16mm

OPTIONS

- Special designs available on request (threaded connections, material, dimensions, etc.)
- Inspection test certificates 3.1
- Hydrostatic pressure test



TECHNICAL DATA

	<p>N... Thermometer connection E... Process connection thread K1... Thread height for E K2... Thread height for N L ... Total length of protective tube U1... Installation length protective tube SW... wrench size Ø F1... Diving shaft diameter Ø Bo... Bore diameter Ø D1... Sealing collar diameter</p>	
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Dimensions in mm

Material	Connection N	Process connection E	Drilling Ø d1	Insertion shaft Ø F1	K1	K2	Ø D1	SW
stainless steel 1.4571	G1/2"	G1/2"	6.2	8	14	12	26	27
			8.2	10				
			7	12				
			9	14				
			11	14				
Brass	G1/2"	G1/2"	8.5	10	14	12	26	27
stainless steel 1.4571	G3/4"	G3/4"	6.2	8	16	14	32	32
			8.2	10				
			7	12				
			9	14				
			11	14				

Assignment of protective tube – thermometer installation length L1

Protective tube Installation length U1	Thermometer insertion shaft length L1
	union nut
73	89
110	126
170	186
210	226
260	276
	L1 = U1 +16mm