

THERMOWELLS acc. DIN 43772 - FORM 6

for Thermometer with female thread - made of solid material

SR

DESCRIPTION

Each thermowell/protection tube is an important component of any temperature measuring location. It is used to separate the process from the surrounding area, thus protecting the environment and operating personnel and keeps aggressive media, high pressures and flow rates from the temperature probe itself and thereby enables the thermometer to be exchanged during operation.

The static pressure load of the protective tubes depends on the material used, flow velocity and pressure/temperature load.

Execution Form 6:

Thermowell with cylindrical female thread and male thread

SPECIAL FEATURES

- Designs per DIN 43772
- turned from solid material
- Thermometer thread G1/2" or G3/4"
- for Bimetal-Thermometer or Resistance thermometers
- Material: heat-resistant steel, stainless steel or heat-resistant stainless steel

APPLICATION

- Chemical industry
- Process technology, equipment manufacturing
- For high process loads

SPECIFICATION

- Process connection G1/2" or G3/4" male thread
- Connection to thermometer G1/2" or G3/4" female thread
- Bore size $\varnothing 7\text{mm}$, $\varnothing 9\text{mm}$, $\varnothing 11\text{mm}$
fast-responding execution
 $\varnothing 6,2\text{mm}$, $\varnothing 8,2\text{mm}$
- Insertion length U1 = 82/142/182/232/382 mm

OPTIONS

- Special designs on request (Thread, Insertion length, Material, Bore size etc.)
- Inspection certificate APZ 3.1
- Hydrostatic pressure test

Operating conditions:

Max. process temperature and process pressure depending on Thermowell design, Material, Flow rate and Medium density



TECHNICAL DATA

	<p>N... P... L ... U1... SW... Ø F2... Ø d1... Ø D1...</p>	<p>Connection to Thermometer Prozess connection Overall length Thermowell Insertion length Thermowell Wrench size Diameter Suitable stem Bore size Sealing collar</p>
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Dimensions in mm

Material	Connection N	Prozess connection P	Bore size Ø d1	Steam diameter Ø F2	H1/H2	K1	Ø D1	SW
Stainless steel 1.4571	G1/2"	Form 6: G1/2"	6,5	14	19/15	14	26	27
			8,5	15				
			7	17				
			9	17				
			11	19				
Stainless steel 1.4571	G3/4"	Form 6: G3/4"	7	17	22/17	16	32	32
			9	17				
			11	19				
			13	20				
			14	22				

Assignment of thermowell to thermometer suitable stem lengths L1 (dial thermometers)

Thermowell Form6 Insertion length U1	Thermometer stem lengths L1	
	Connection fixed	Connection rotatable
45	63	
82	100	80
142	160	140
182	200	180
232	250	230
382	400	380
	L1 = U1 + 18mm	L1 = U1 - 2mm

Ordering information:

Thermowell Model / Material / Process connection / Connection to thermometer / Insertion length U1 / Bore size Ød1 / Assembly with thermometer / Certificates / Options