

## Thermowell DIN 43772 Forms 6 and 7

Solid drilled for screwing-in  
for stem with male thread

Models :  
SF6 / SF7

### APPLICATION

Thermowells are being applied to protect thermometer stems against process-related chemical and / or mechanical loads. Furthermore a thermowell, which remains at the measuring point, enables the unproblematic dismantling of the thermometer for maintenance or repair.

### STANDARD VERSIONS

For thermometer stem with male thread turnable or rigid, our models A4, B4, A4.1 and B4.1

#### Construction Type

Solid drilled, that means completely manufactured of one piece for high loads by the process (flows, pressures, temperatures and vibrations).

#### Process Connection E

Male thread

**SF6:** G ½ B or G ¾ B;

**SF7:** ½" NPT or ¾" NPT

Details see reverse side.

#### Connection to Thermometer Stem N

Male thread G ½ or G ¾

Details see reverse side.

#### Internal Diameter d1

Ø 7 mm suitable for stem-Ø dF 6 mm

Ø 9 mm suitable for stem-Ø dF 8 mm

Ø 11 mm suitable for stem-Ø dF 10 mm

Ø 13 mm suitable for stem-Ø dF 12 mm

Ø 14 mm suitable for stem-Ø dF 13 mm

Available combinations of the connections E + N and internal diameter d1, see reverse side.

#### Total length L (normed Length)

110, 170, 260, 410 mm

Details and installation length U1 see reverse side.

#### Materials

1.4571 (316 stainless steel) or 1.7335 (13 CrMo 4-5)

#### Process Temperature / Process Pressure

Maximum allowed process temperature: 500 °C

Maximum allowed process pressure: 150 bar

Concrete process conditions (medium, flow rate, pressure, temperature) and the thermowell version (dimensions, material) could cause a reduction of the above mentioned maximum allowed values, see **load diagrams DIN 43 772**.

We can make a **thermowell calculation** for your concrete field of application (see special version and options) upon request.



### SPECIAL VERSIONS AND OPTIONS AMONG OTHER

- Other combinations:  
Process connection E / connection to thermometer stem N:  
SF6: M 20 x 1.5 M 20 x 1.5  
M 27 x 2 M 20 x 1.5  
M 27 x 2 M 27 x 2  
Others, also for SF7, upon request
- Suitable connection screw fitting, see data sheet 8.8201
- Suitable neck tube, see data sheet 8.8301
- Other thermowell-Ø upon request
- Other thermowell- / installation lengths L / U1 upon request
- Other materials upon request
- Thermowell free of grease and oil
- Coating adjusted to medium and medium temperature upon request
- Test report 2.1
- Inspection certificate 2.2
- Test certificate 3.1 for the material  
(copy of the material quality certificate of the basic material with re-stamping certificate)
- Test certificate 3.1 for the pressure test  
(max. installation length U1= 300 mm, pressure test with extrinsic water, max. 250 bar, 3 minutes)
- Thermowell calculation for the concrete case of application with certificate

### Ordering Information

Model	SF6 or SF7
Process connection E	<b>SF6:</b> G ½ B or G ¾ B; <b>SF7:</b> ½" NPT or ¾" NPT
Connection to thermometer stem N	G½ or G¾
Internal-Ø d1	7, 9, 11, 13 or 14 mm
Total length	L
Installation length	U1
Material	1.4571 or 1.7335

**Examples:** SF6, E=G½B, N=G½, d1=11, L=170, U1=142, 1.4571  
SF7, E=½" NPT, N=G½, d1=11, L=170, U1=142, 1.4571