



#### Materials

	material-no.	T max.	P max.*
stainless steel	1.4571	550°C	25 bar

\* static conditions of use

Other materials upon request.

The thermowells are available with material certificate per DIN EN 10204-3.1 and are suitable for connection to Zone 0 according to the technical instruction TA\_033.

Upon request a calculation for thermowells can be made (for static or dynamic application) with certificate.

#### Length L1 of the temperature detecting element (dial indicating thermometers)

screwed plug, rotating, internal gasket  $L1 = U1 - A$

screwed plug, fixed, external gasket  $L2 = U1 + B$

#### DIN-lengths of the thermowells

(pls specify deviating lengths)

L mm	U1 mm
110	82
170	142
260	232
410	382

## Order details

### Thermowell screw-in type per DIN 43772, form 5, welded, female thread, Type series HA8010

Order code HA8010												
HA8010 Screw-in thermowell per DIN 43772 for thermometers with female thread												
		Screw in thread E	Instrument screw threads N	bore hole Ø d1	pipe Ø F1	D1	K1	H1	SW	B	A	
A11	thermowell form 5	G 1/2 B	G 1/2	7	12	26	14	19	27	18	2	
A13 *				9	14							
A14				11	14							
A20		G 3/4 B	G 1/2	7	12	32	16	19	32	18	2	
A21				9	14							
A30		G 3/4 B	G 3/4	7	12	32	16	22	32	18	2	
A31				9	14							
A32				11	14							
A33				13	16							
A34				14	18							
A99		pls specify										
G10		material	stainless steel 1.4571 (standard)									
G99			pls specify									

additional features (to be indicated in case of need, only)	
W1220	combined pressure and leak test (pls specify test pressure)
W1020	material certificate per DIN EN 10204 -3.1
W2502	suitable for connection to Zone 0 acc. to TA_033

Order code (example): HA8010 - A11 - G10 - W1220 - U1=...

(length L and U pls specify in mm; min. 80, max. 2000 mm, support long thermowells to avoid stresses due to vibrations)

* delivered ex stock (with material certificate, too)					
	thermowell	screw in thread E	Instrument screw threads N	Bore hole Ø d1	pipe Ø F1
HA8010 - A13 - G10 - U1=82	form 5	G 1/2 B	G 1/2	9	14
HA8010 - A13 - G10 - U1=142	form 5	G 1/2 B	G 1/2	9	14