

Special Features :

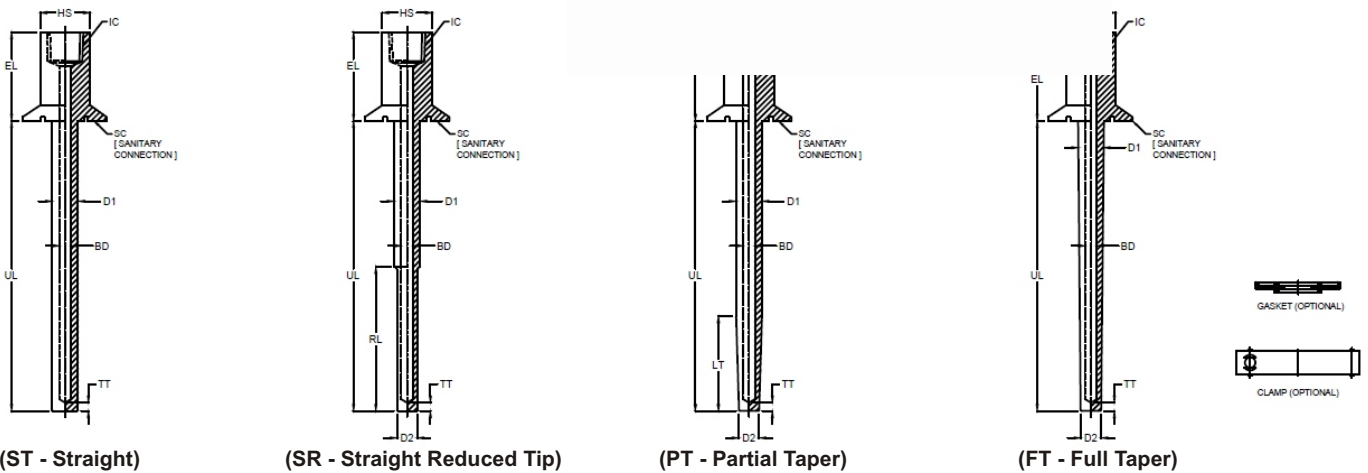
- Design as per PTC 19.3.
- These Thermowells are manufactured from solid bar stock and installed into the process by using clamp connection.
- The design is suitable for all type of RTD's, Thermocouples, Mechanical as well as digital Thermometers.
- The smooth and polished surface of the wetted parts helps for easy cleaning and prevent potential contamination of the process.
- Available in various shapes like Straight, Straight with reduced tip, partial taper & full taper.

Application :

- Chemical Plants
- Petrochemical Plants
- On Shore & Off Shore
- Engineering Plants
- Other similar process Industries



Thermowell Drawings :



Note: Drawings are not to scale. All Dimensions are in mm.

HS - Finished Head Size
 IC - Instrument Connection
 SC - Sanitary Connection
 BD - Bore Diameter

TT - Tip Thickness
 D1 - Major Diameter
 D2 - Minor Diameter
 EL - Extension Length

UL - Insertion Length
 RL - Reduced Tip Length
 LT - Taper Length

SELECTION OF MODEL

(1) MODEL CODE

(2) TYPE

Straight	ST
Straight Reduced Tip	SR

Partial Taper	PT
Full Taper	FT

(3) MATERIAL

AISI 304L SS	S4L
AISI 316 SS	S6
AISI 316L SS	S6L

TW7

ST

S6

SELECTION OF MODEL

(4) INSTRUMENT CONNECTION "IC"

3/8" BSP(F)	3BF	1/2" G(F)	4GF	3/4" R(F)	5RF
3/8" NPT(F)	3NF	1/2" R(F)	4RF	M18 x 1.5(F)	3MF
3/8" R(F)	3RF	3/4" BSP(F)	5BF	M20 x 1.5(F)	4MF
3/8" G(F)	3GF	3/4" NPT(F)	5NF	M22 x 1.5(F)	5MF
1/2" BSP(F)	4BF	3/4" G(F)	5GF	M24 x 1.5(F)	6MF
1/2" NPT(F)	4NF				

Note: Other Connections are available on request.

(5) SANITARY CONNECTION "SC"

1 1/2" Sanitary Connection	1.5
2" Sanitary Connection	2.0
2 1/2" Sanitary Connection	2.5

(6) FINISHED HEAD SIZE "HS"

PLEASE SPECIFY IN mm

e.g. : For 28mm Finished head size, Specify HS28

(7) TYPE OF HEAD

Hex Headed*	HH
Round Headed with Spanner Slots	RS

* Maximum "U" Length below Triclover will be 250mm.

(8) EXTENSION / LAGGING LENGTH "EL"

EL50 (Standard)

e.g. : For length 50mm, mention EL50.

(9) BORE DIAMETER "BD"

PLEASE SPECIFY IN mm

e.g. : For length 9mm, mention BD9.

Note: Refer Thermowell design procedure for dimension as per PTC 19.3

(10) MAJOR DIAMETER

ST	RT	PT
<p>Major Diameter "D1" Please specify in mm e.g. For 22mm mention D122</p>	<p>Major Diameter of Step "D1" Please specify in mm e.g. For 22mm mention D122</p>	<p>Major Diameter of Taper "D1" Please specify in mm e.g. For 22mm mention D122</p>
<p>Major Diameter of Taper "D1" Please specify in mm e.g. For 22mm mention D122</p>	<p>Minor Diameter of Step "D2" Please specify in mm e.g. For 18mm mention D218</p>	<p>Minor Diameter of Taper "D2" Please specify in mm e.g. For 18mm mention D218</p>
<p>Minor Diameter of Taper "D2" Please specify in mm e.g. For 18mm mention D218</p>	<p>Length of Step "RL" Please specify in mm e.g. For 100mm step length from tip, specify RL100</p>	<p>Length of Step "TL" Please specify in mm e.g. For taper length from tip of 150mm, specify TL150</p>

Note: Refer Thermowell design procedure for dimension as per PTC 19.3

(11) TIP THICKNESS "TT"

TT5 (Standard)

e.g. : For Tip Thickness 5mm, specify TT5.

(12) INSERTION LENGTH "UL" (Below Sanitary Connection)

PLEASE SPECIFY IN MM

e.g. : For 800mm, mention UL800.

Note: Refer Thermowell design procedure for dimension as per PTC 19.3

4NF

1.5

HS28

HH

EL50

BD9

XX

TT5

UL800

SELECTION OF MODEL

(13) OPTIONS

Plug & Chain in SS	CP
Marking by Laser	LM
SS Tag Plate	TS

(14) SANITARY CLAMP

1 ½" Clamp AISI 304 SS	C1
2" Clamp AISI 304 SS	C2
2 ½" Clamp AISI 304 SS	C3

(15) GASKET

1 ½" PTFE Gasket	G1
2" PTFE Gasket	G2
2 ½" PTFE Gasket	G3

(16) TESTS & CERTIFICATION

Radiography fo Bore Concentricity	TC1	Wake Frequency Calculations as [per PTC 19.3*	TC7
Ultrasonic Test	TC4	Certification for Oxygen Service	TC9
PMI Test	TC5	Chemical Composition Test	TT1
Dye Penetration Test	TT4	3.1B Material Conformity Certificate	TT2

*Please specify Fluid, Max. Pressure, Temperature & Flow velocity for wake frequency calculations as per PTC 19.3.

Example	1	2	3	4	5	6	7	8	9
SELECTION OF MODEL	TW7	ST	S6	4NF	1.5	HS28	HH	EL50	BD9

Example	10	11	12	13	14	15	16
SELECTION OF MODEL	XX	TT5	UL800	XX	C1	G1	XX

XX

C1

G1

XX

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