



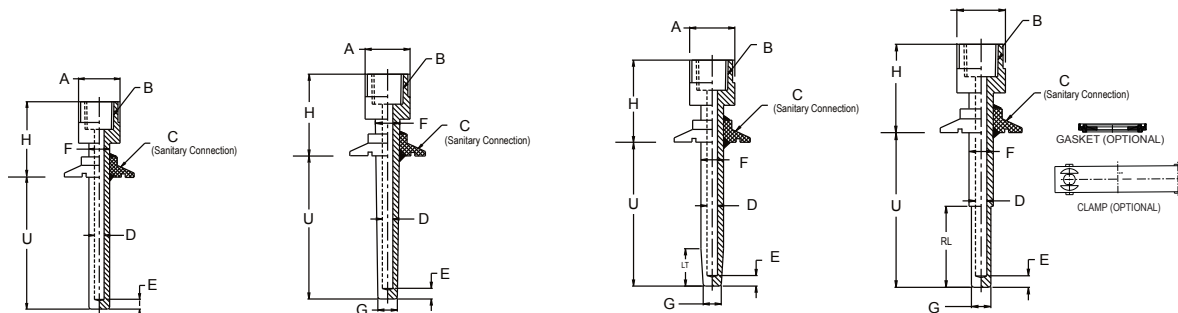
Special Features

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

Applications

- Biochemical plants
- Pharmaceutical plants
- Food and beverage industries
- Sterile process industries & other similar process industries

Thermowell Drawings



S - Straight

R - Straight Reduced Tip

P - Partial Taper

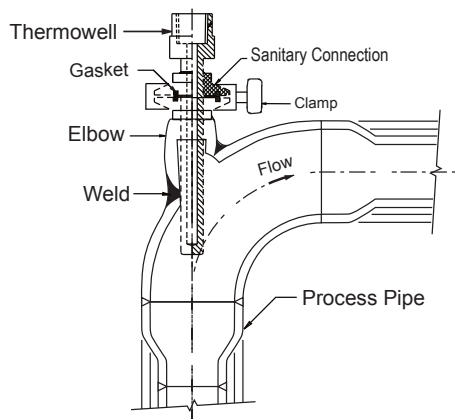
F - Full Taper

A - Finished Head Size
B - Instrument Connection
C - Sanitary Connection
D - Bore Diameter

E - Tip Thickness
F - Major Diameter
G - Minor Diameter
H - Extension Length

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

Thermowell Installation



How To Order										Example		
Basic Model										W3		
Type												
S - Straight			R - Straight Reduced Tip			P - Partial Taper		F - Full Taper		X		
Material												
ER	AISI 304 L SS		LM	AISI 316 SS		LN	AISI 316L SS			XX		
Instrument Connection “B”												
3BF 3/8” BSP (F)			4BF ½” BSP (F)			5TF 3/4” BSPT (F)		3MF M18 x 1.5 (F)		XXX		
3NF 3/8” NPT (F)			4NF ½” NPT (F)			5NF 3/4” NPT (F)		4MF M20 x 1.5 (F)				
3TF 3/8” BSPT (F)			4TF ½” BSPT (F)			5BF 3/4” BSP (F)		5MF M22 x 1.5 (F)				
3PF 3/8” G (F)			4FF ½” PF (F)			5PF 3/4” G (F)		6MF M24 x 1.5 (F)				
			4PF ½” G (F)									
Note : Other Connections are available on request.												
Sanitary Connection “C”												
YN 1.5” Sanitary Connection			YO 2” Sanitary Connection			YP 2.5” Sanitary Connection				XX		
Finished Head Size “A” (Refer Table 1.1 for selection of Head Size for Thermowell.)												
Please Specify in mm										XXX		
e.g. : For 28 mm Finished head Size, specify A28												
Type Of Head												
K Hex Headed*			M Round Headed With Spanner Slots.							X		
*Maximum “U” Length below Triclover will be 250 mm.												
Extension / Lagging Length “H”												
H50 (Standard)										XXX		
For e.g. : for length 75 mm, mention H75												
Bore Diameter “D”												
A	6.6 mm		B	7 mm		C	8.5 mm		D	9 mm		
E	10.5 mm		F	11 mm		G	13 mm		H	13.5 mm		X
Note : Refer Table 1.3 of Thermowell Design Procedure for dimensions as per PTC 19.3												
<div><div><div>S</div><div>Major Diameter “F” Please specify in mm e.g. : for 22 mm, mention F22</div></div><div><div>R</div><div>Major Diameter Of Step ‘F’ Please specify in mm e.g. : for 22 mm, mention F22 Minor Diameter Of Step ‘G’ Please specify in mm e.g. : for 18 mm, mention G18 Length Of Step ‘RL’ Please specify in mm e.g. : for 100 mm step length from tip, specify RL100</div></div><div><div>P</div><div>Major Diameter Of Taper ‘F’ Please specify in mm e.g. : for 22 mm, mention F22 Minor Diameter Of Taper ‘G’ Please specify in mm e.g. : for 18 mm, mention G18 Length Of Taper ‘LT’ Please specify in mm e.g. : For taper length from tip of 150 mm, specify LT150</div></div><div><div>F</div><div>Major Diameter Of Taper ‘F’ Please specify in mm e.g. : for 22 mm, mention F22 Minor Diameter Of Taper ‘G’ Please specify in mm e.g. : for 18 mm, mention G18</div></div></div>										XXX OR XXX OR XXXXX		
Note : Refer Table 1.3 of Thermowell Design Procedure for dimensions as per PTC 19.3												

XXX

OR

XXX

OR

XXXXX

Tip Thickness “E”			Example
Standard Tip Thickness is 5 mm. For others, please specify in mm. e.g. : Specify E5 for 5 mm Tip Thickness			XX
Thermowell Insertion Length “U” (below Sanitary Connection)			XXXX
Please specify in mm (e.g. : for 250 mm, mention U250) Note : Refer Table 1.4 of Thermowell Design Procedure for dimensions as per PTC 19.3			
Options			XX
GG Plug and chain in SS	SX SS Tag Plate	CX Marking by Engraving	
FW Electro polishing	CW Marking by Lazer		
Sanitary Clamp			
ZO 1.5” Clamp AISI 304 SS	ZP 2” Clamp AISI 304 SS	ZQ 2.5” Clamp AISI 304 SS	
Gasket			
GX 1.5” PTFE Gasket	GY 2” PTFE Gasket	GZ 2.5” PTFE Gasket	
Tests & Certification			
C1 Radiography for Bore Concentricity	T1 Chemical Composition Test		
C4 Ultrasonic Test	T2 3.1B Material Conformity Certificate		
C5 PMI Test	T4 Dye Penetration Test		
C7 Wake Frequency Calculations as per PTC 19.3*			
C9 Certification for Oxygen Service			
* Please Specify Fluid, Max. Pressure, Temperature & Flow velocity for wake frequency calculations as per PTC 19.3			
Ordering Example:			
W3 . X . XX . XXX . XX . XXX . X . XXX . X . XXX OR XXX OR XXXXX . XX . XXXX . XX			