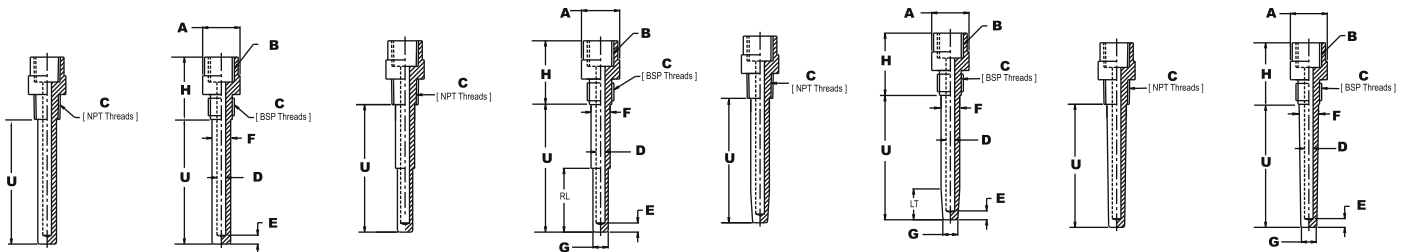




Special Features

- Design as per PTC 19.3
- These Thermowells are manufactured from solid bar stock and installed into the process with the help of threaded process connection.
- This design is suitable for all type of RTD s, Thermocouples, mechanical as well as digital Temperature Gauges.
- Available in various shapes like Straight, Straight with reduced tip, partial taper & full taper

Thermowell Drawings



S - Straight

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

R - Straight Reduced Tip

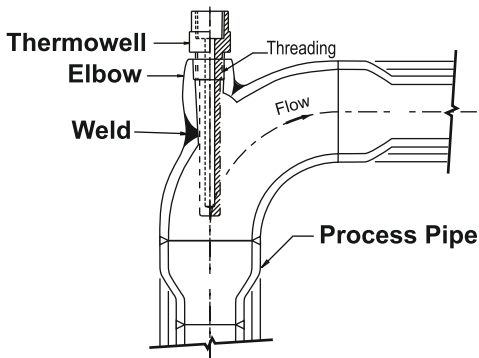
E - Tip Thickness
F - Major Diameter
G - Minor Diameter
H - Extension Length

P - Partial Taper

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

F - Full Taper

Thermowell Installation





Thermowell

a unique innovation, with trust and quality...

How To Order										Example							
Basic Model										TW1							
Type																	
S - Straight		R - Straight Reduced Tip			P - Partial Taper			F - Full Taper		X							
Material										XXX							
S64		AISI 304 SS		S10		AISI 310 SS		I60			Inconel 600	CST		Carbon Steel			
S66		AISI 316 SS		HST		Hastelloy C		A20			Alloy 20						
S6L		AISI 316L SS		S21		AISI 321 SS		NIK			Nickel						
Note : Other Materials are available on request.										XXX							
Instrument Connection B																	
3BF		3/8 BSP (F)		4BF		½ BSP (F)		5BF			¾ BSP (F)		M18		M18 x 1.5 (F)		
3NF		3/8 NPT (F)		4NF		½ NPT (F)		5NF			¾ NPT (F)		M20		M20 x 1.5 (F)		
3TF		3/8 BSPT (F)		4TF		½ BSPT (F)		5TF			¾ BSPT (F)		M22		M22 x 1.5 (F)		
								6BF			1 BSP (F)		M24		M24 x 1.5 (F)		
								6NF			1 NPT (F)		M27		M27 x 2 (F)		
								6TF			1 BSPT (F)		M33		M33 x 2 (F)		
Note : Other Connections are available on request.																	
Process Connection C											XXX						
3BM		3/8 BSP (M)		4BM		½ BSP (M)		5BM		¾ BSP (M)		6BM		1 BSP (M)	M20	M20 x 1.5 (M)	
3NM		3/8 NPT (M)		4NM		½ NPT (M)		5NM		¾ NPT (M)		6NM		1 NPT (M)	M24	M24 x 1.5 (M)	
3TM		3/8 BSPT (M)		4TM		½ BSPT (M)		5TM		¾ BSPT (M)		6TM		1 BSPT (M)	M27	M27 x 2 (M)	
															M33	M33 x 2 (M)	
Note : Other Connections are available on request.										XXX							
Finished Head Size A (Refer Table 1.1 for selection of Head Size for Thermowell)																	
Please Specify in mm e.g. : For 28 mm Finished head Size, specify A28																	
Type Of Head										X							
H		Hex Headed*			R		Round Headed With Spanner Slots										
* Maximum U Length below thread will be 900 mm.																	
Extension / Lagging Length H										XXX							
H50 (Standard) For e.g. : for length 65 mm, mention H65																	
Bore Diameter D																	
A		6.6 mm		B		7 mm		C		8.5 mm		D		9 mm		X	
E		10.5 mm		F		11 mm		G		13 mm		H		13.5 mm			
Note : Refer Table 1.3 of Thermowell Design Procedure for dimensions as per PTC 19.3																	

Major Diameter F					Example
S R P F Major Diameter F Please specify in mm e.g. : for 22 mm, mention F22 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 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 L T Please specify in mm e.g. : For taper length from tip of 150 mm, specify LT150 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					XXX OR XXX OR XXXXX
Note : Refer Table 1.3 of Thermowell Design Procedure for dimensions as per PTC 19.3					
Tip Thickness E					XX
Standard Tip Thickness is 5 mm. For others, please specify in mm. e.g. : Specify E5 for 5 mm Tip Thickness					
Insertion Length U					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					
PAC	Plug and chain in SS	STG	SS Tag Plate	ENM	Marking by Engraving
EPC	Electro polishing	LAM	Marking by Laser		
Tests & Certification					XXX
RBC	Radiography for Bore Concentricity		WFC	Wake Frequency Calculations as per PTC 19.3*	
IBR	IBR Certification		CCT	Chemical Composition Test	
MET	Mechanical Test		31B	3.1B Material Conformity Certificate	
ULT	Ultrasonic Test		CNS	Conformity as per NACE Standard	
PMI	PMI Test				
* Please Specify Fluid, Max. Pressure, Temperature & Flow velocity for wake frequency calculations as per PTC 19.3 if Required					
Ordering Example:					
Tw1 . X . XXX . XXX . XXX . XXX . X . XXX . X . XXX OR XXX OR XXXXX . XX . XXXX . XX					
Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice. For Any Custom / Non Standard / Special Requirement Consult Factory..					