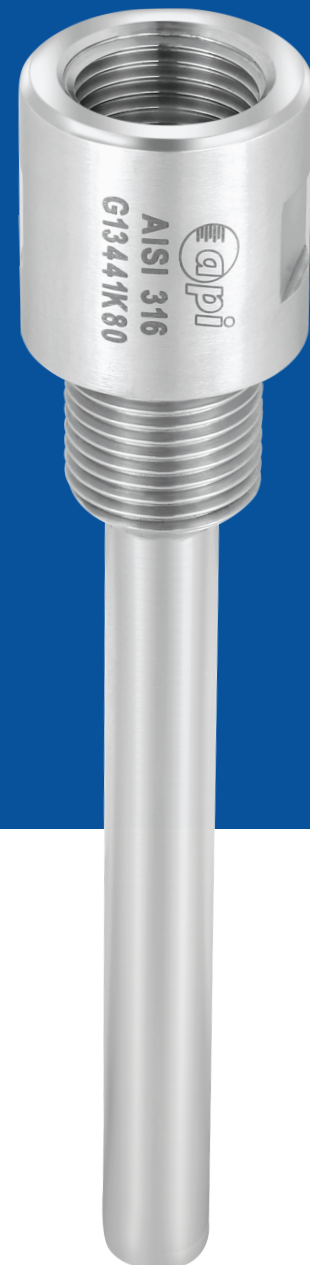


FABRICATED THERMOWELL

MODEL X7.05



PRODUCT DESCRIPTION

Thermowells are tubular fittings used to protect temperature sensors installed in industrial processes. A thermowell consists of a tube closed at one end and mounted in the process stream. If the sensor fails, it can be easily replaced without draining the vessel or piping. The Protection Tube material is selected on the basis of the environment to which the sensor assembly will be subjected.



FABRICATED THERMOWELL

MODEL
X7.05

KEY FEATURES

- Economical design
- Fabricated from tube or pipe
- Threaded/Flanged process connection
- Ideal for use in longer length tank & vessels where bar stock is a limitation.

APPLICATION

- Chemical Plants
- HVAC industries
- Petrochemical Plants
- Engineering Plants
- Utilities
- On shore
- Off shore & other similar process industries

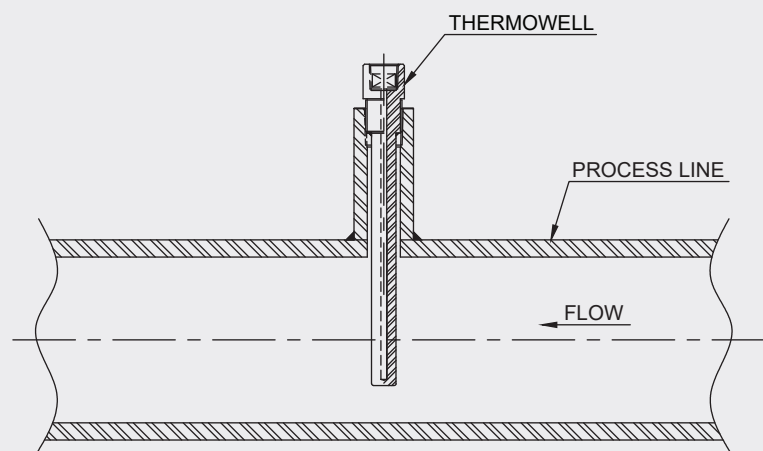
SPECIFICATIONS

Instrument Connection	: ½" NPT (F)
Process Connection	: ½" NPT (M)
Bore diameter	: Ø7 mm
Tip thickness	: 5 mm
Lagging extension	: 50 mm
Head Diameter	: Ø28 mm

MATERIAL OF CONSTRUCTION

Flange material	: SS 316
Well material	: SS 316

DIMENSIONAL DRAWINGS

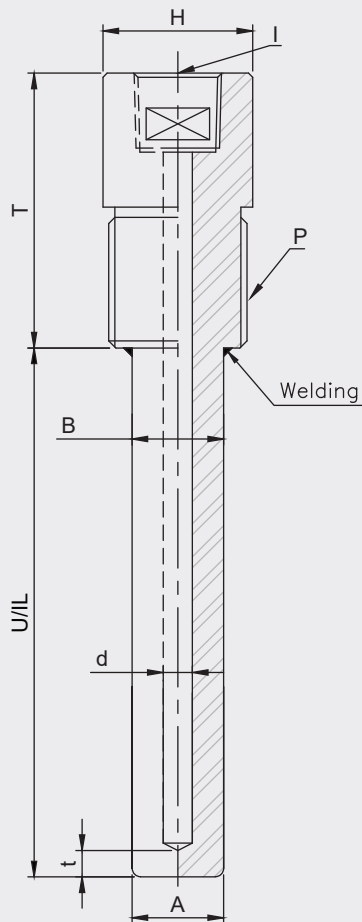


FABRICATED THERMOWELL

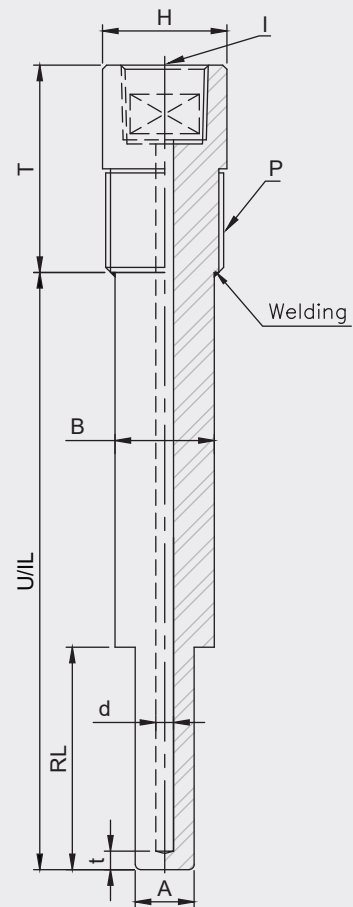
MODEL X7.05

DIMENSIONAL DRAWINGS

Straight



Reduced tip



- | | | | |
|---------------------------|--------------------|----------------------|------------------------|
| A - Minor Diameter | B - Major Diameter | d - Bore Diameter | H - Head Size |
| I - Instrument Connection | t - Tip Thickness | T - Extension Length | P - Process Connection |

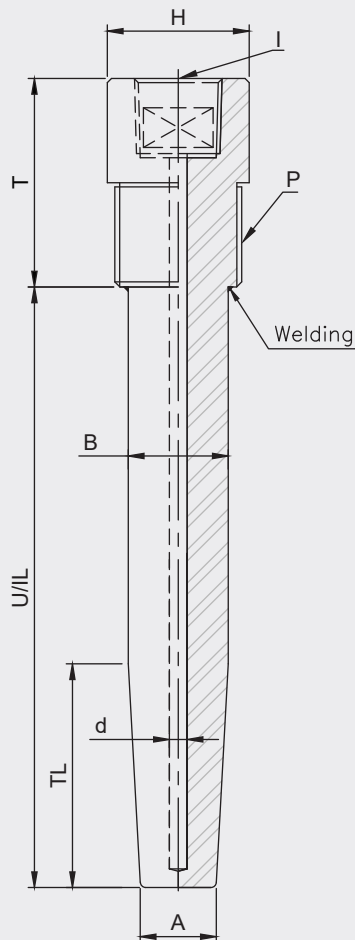
Important Notes: • Above drawings are not to scale • All Dimension are in mm

FABRICATED THERMOWELL

MODEL X7.05

DIMENSIONAL DRAWINGS

Partial Taper



A - Minor Diameter B - Major Diameter d - Bore Diameter H - Head Size
 I - Instrument Connection t - Tip Thickness T - Extension Length P - Process Connection

Important Notes: • Above drawings are not to scale • All Dimension are in mm

FABRICATED THERMOWELL

MODEL X7.05

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	X7.05	ST	F	S4	12NF	12NM	RH	H28	T50	t5	P1	TB1
Model Fabricated Thermowell	X7.05	X7.05											
Version Straight	ST		ST										
Straight Reduced Tip	SR												
Partial Taper	PT												
Process Connection Type Flange	F			F									
Threaded	T												
Material SS 304	S4				S4								
SS 310	S1												
SS 316	S6												
SS 316L	SL												
SS 316 / SS 316L	DC												
Duplex SS 2205	DU												
Monel 400	M4												
Inconel 600	I6												
Inconel 625	I5												
Inconel 825	I2												
Hast C-276	HC												
Instrument Connection ½" NPT (F)	12NF					12NF							
½" BSP (F)	12BF												
¾" NPT (F)	34NF												
¾" BSP (F)	34BF												
M20 × 1.5 (F)	M20F												
Process Connection ½" NPT (M)	12NM						12NM						
½" BSP (M)	12BM												
¾" NPT (M)	34NM												
¾" BSP (M)	34BM												
M20 × 1.5 (M)	M20M												
Flange refer table-1	XXX												
Type of Head Round Headed	RH							RH					
Finished Head Size 28 mm	H28								H28				
Specify in mm	XXX												
Lagging Extension 50 mm	T50									T50			
Customer Specific	XXX												
Tip Thickness 5 mm	t5										t5		
Pipe Size & Schedule ¼" Sch. 40	P1											P1	
¼" Sch. 80	P2												
⅜" Sch. 40	P3												
⅜" Sch. 80	P4												
½" Sch. 40	P5												
½" Sch. 80	P6												
½" Sch. 160	P7												
¾" Sch. 40	P8												
¾" Sch. 80	P9												
Tube Size Tube Ø10 × 1.5 mm THK.	TB1												TB1
Tube Ø12 × 2.5 mm THK.	TB2												
Tube Ø14 × 2.5 mm THK.	TB3												
Tube Ø12 × 1.0 mm THK.	TB4												
Tube Ø14 × 1.0 mm THK.	TB5												
Tube Ø16 × 2.5 mm THK.	TB6												

FABRICATED THERMOWELL

MODEL X7.05

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	XXX	X17
Insertion Length Customer Specific	XXX	XXX	
Other Options Material Test Certificate SS Tag Plate Plug & chain in SS PMI Test Chemical Composition Test Dye Penetration Test	X17 X26 X77 X89 X86 X87		X17

Table -1 AS PER ANSI B 16.5

NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE	NOMINAL SIZE	RATING/ CLASS	CODE
1/2"	150	B09	1"	150	B21	1 1/2"	150	B33	2 1/2"	150	B45
	300	B10		300	B22		300	B34		300	B46
	600	B11		600	B23		600	B35		600	B47
	900	B12		900	B24		900	B36		900	B48
	1500	B13		1500	B25		1500	B37		1500	B49
	2500	B14		2500	B26		2500	B38		2500	B50
3/4"	150	B15	1 1/4"	150	B27	2"	150	B39	3"	150	B51
	300	B16		300	B28		300	B40		300	B52
	600	B17		600	B29		600	B41		600	B53
	900	B18		900	B30		900	B42		900	B54
	1500	B19		1500	B31		1500	B43		1500	B55
	2500	B20		2500	B32		2500	B44		2500	B56

SAMPLE ORDERING CODE:

X7.05-ST.F.S4.12NF.12NM.RH.H28.T50.t5.PI.TB1.XXX.X17

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and material specified may be replaced by others without prior notice.