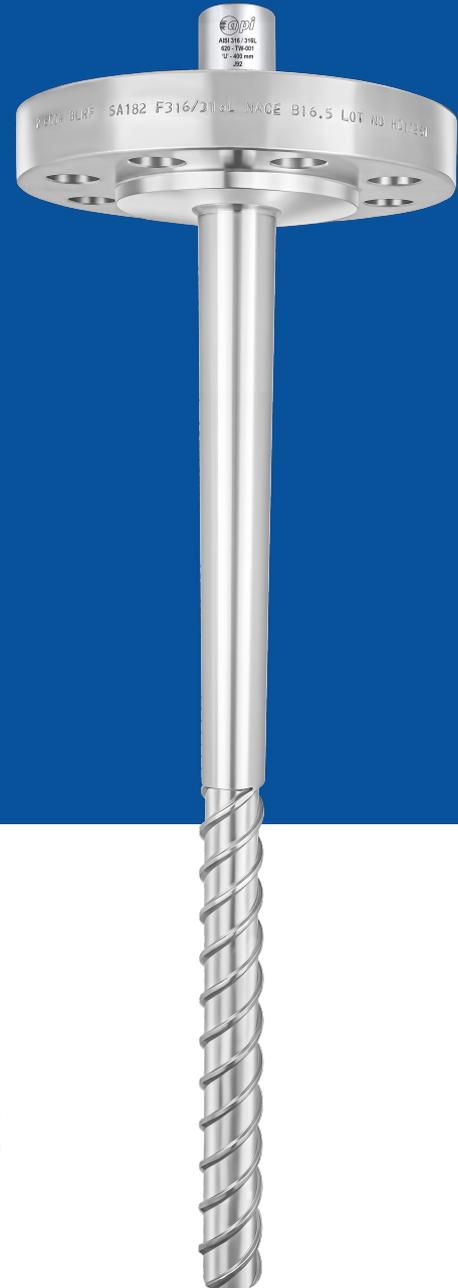


SCREW - WELL THERMOWELL

MODEL
X7.06



PRODUCT DESCRIPTION

The Screw - Well Thermowell design can be used for all kind of solid-machined thermowells with flange connection, in Vanstone design or for weld-in or threaded process connection. This helical design has been used successfully for decades in a wide variety of industrial applications to effectively suppress vortex-induced vibration excitation. The scrutonwell design reduces the amplitude of oscillation by more than 90 % and allows an easy and fast installation of the thermowell without support collar.



SCREW - WELL THERMOWELL

MODEL
X7.06

KEY FEATURES

- Flanged/Threaded Process Connection
- Solid Bar stock drilled design
- Scruton design reduces the amplitude of oscillation by more than 90%
- Improve bending strength with optimum root design
- Helical strakes reduce vortex induced design
- Installation is easy & cost effective as there is no requirement of support collar & nozzle

APPLICATION

- Petrochemical Industries
- On-shore/Off-shore application
- Oil & Gas
- Chemical Industries

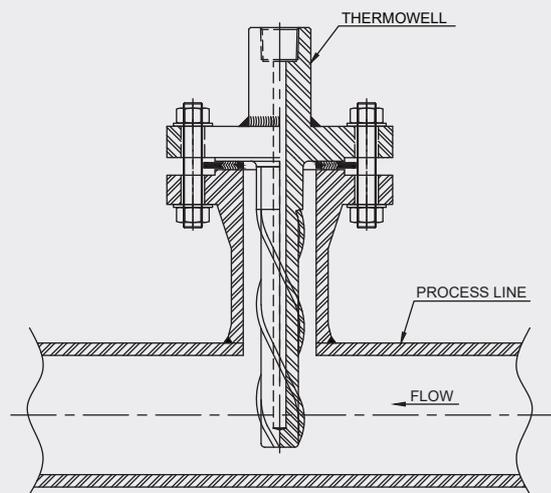
SPECIFICATIONS

Design	:	ASME PTC 2016
Instrument Connection	:	½" NPT (F), ¾" NPT (F)
Process Connection	:	1½" RF# ANSI B16.5, ¾" NPT (M)
Bore diameter	:	Ø7 mm
Head diameter	:	28 mm
Tip thickness	:	6.35 mm
Lagging extension	:	50 mm
Shank Style	:	Straight

MATERIAL OF CONSTRUCTION

Flange material	:	SS 316
Well material	:	SS 316

DIMENSIONAL DRAWINGS

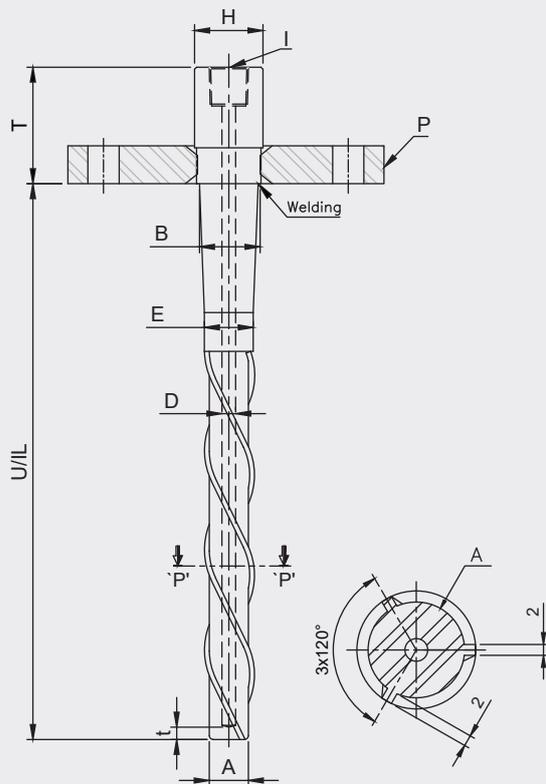


SCREW - WELL THERMOWELL

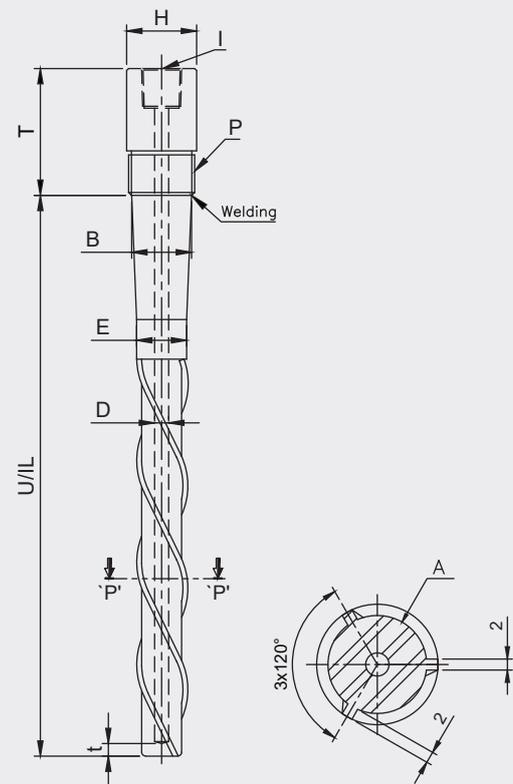
MODEL X7.06

DIMENSIONAL DRAWINGS

Flange type



Threaded type



- | | | | |
|------------------------|----------------------|-------------------------|---------------------------|
| H - Finished Head Size | B - Major Diameter | U/IL - Insertion Length | I - Instrument Connection |
| D - Bore Diameter | A - Minor Diameter | RL - Reduced Tip Length | P - Process Connection |
| T - Tip Thickness | T - Extension Length | TL - Taper Length | |

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

SCREW - WELL THERMOWELL

MODEL X7.06

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	X7.06	ST	F	S4	AA	12NF	12NM	H28	T50	D07	t5	A25
Model													
Screw - Well Thermowell	X7.06	X7.06											
Version													
Straight	ST		ST										
Process Connection Type													
Flange	F			F									
Threaded	T												
Well Material													
ASTM A105	AA												
SS 304	S4				S4								
SS 310	S1												
SS 316	S6												
SS 316L	SL												
SS 316 / SS 316L	DC												
Duplex SS 2205	DU												
ASTM A350 LF2	LF2												
Monel 400	M4												
Inconel 625	I5												
Inconel 825	I2												
Hast C-276	HC												
Flange Material													
ASTM A105	AA					AA							
SS 304	S4												
SS 310	S1												
SS 316	S6												
SS 316L	SL												
SS 316 / SS 316L	DC												
Duplex SS 2205	DU												
ASTM A350 LF2	LF2												
Monel 400	M4												
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												
Head Diameter													
28 mm	H28								H28				
As per customer specific	XXX												
Lagging Extension													
50 mm	T50									T50			
As per customer specific	XXX												
Bore Diameter													
7 mm	D07										D07		
As per customer specific	XXX												
Tip Thickness													
6.35 mm	t5											t5	
Customer Specific	XXX												
Root Diameter													
25 mm	A25												A25
As per flow calculation	XXX												

SCREW - WELL THERMOWELL

MODEL X7.06

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	XXX	X17
Insertion Length 'U/IL' Please specify in 'mm' e.g. for 200 mm mention IL200mm	XXX	XXX	
Other Options			X17
Material Test Certificate	X17		
Tested to NACE Standards	X20		
Certification for Oxygen Service	X21		
Hydro Test Certificate	X53		
Plug & chain in SS	X77		
IGC Test	X79		
Certification for Hydrogen Service	X81		
WFC as per PTC 19.3TW:2010	X82		
Radiography for Welding	X83		
Ultrasonic Test	X85		
Chemical Composition Test	X86		
Dye Penetration Test	X87		

Table -1 AS PER ANSI B 16.5

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:

X7.06-ST.F.S4.AA.12NF.12NM.H28.T50.D07.t5.A25.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.