

FABRICATED THREADED THERMOWELL TGI33-1

APPLICATIONS

- HVAC Industries
- Utilities
- Chemical plants
- Pharmaceutical
- Engineering plants

FEATURES

- Fabricated from pipe with a welded end cap
- Installed directly into the process with the help of threads
- Ideal for use in longer length tank & vessels
- Economic version



FABRICATED THREADED THERMOWELL, TGI33-1

DESCRIPTION

General

Thread design : ANSI B1.20.1 / BS EN ISO 228-1

Storage temperature : -40...+65°C

Service temperature : As per material properties

Weld joints : TIG argon arc welding

Material of construction

Head : ASTM A105 / AISI 304 SS / AISI 316 SS / AISI 316L SS
AISI 310 SS / AISI 321 SS / AISI 446 SS
Inconel 600 / Alloy 800 / Alloy 800H
Hastelloy C-276 / Inconel 625 / Inconel 825

Well : ASTM A105 / AISI 304 SS / AISI 316 SS / AISI 316L SS
AISI 310 SS / AISI 321 SS / AISI 446 SS
Inconel 600 / Alloy 800 / Alloy 800H
Hastelloy C-276 / Inconel 625 / Inconel 825

Standard version

Well form : Straight

Head material : AISI 316 SS

Well material : AISI 316 SS

Instrument connection: 1/2" NPT (F) / 1/2" BSP (F)

Process connection : 1/2" NPT (M) / 1/2" BSP (M)

Head type & size : Hex - 27 mm / Round with spanner slot - 27 mm

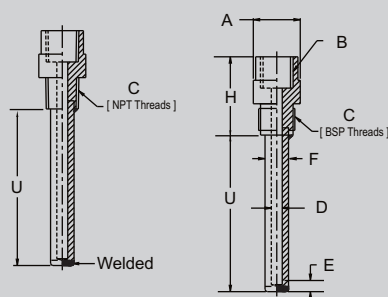
Well Tubes / Pipes : Tube Ø10 x 1.5 mm THK / 1/4" Sch 40

Lagging Extension : 50 mm

Immersion length : 50 mm up to 5000 mm

Tip thickness : 5 mm

GA DRAWING



- A - Finished Head Size
- B - Instrument Connection
- C - Process Connection
- F - Major Diameter (As per Pipe Schedule)
- D - Bore Diameter (As per Pipe Schedule)
- E - Tip Thickness
- U - Insertion Length
- H - Extension Length

FABRICATED THREADED THERMOWELL

TGI33-1

ORDERING CODES						
MODEL					TGI33-1	
TGI33-1 Fabricated threaded thermowell						
WELL FORM					R3	
R3	Straight					
HEAD MATERIAL					S01	
S09	ASTM A105	S01	AISI 304 SS	S02		AISI 316 SS
S03	AISI 316L SS	S20	AISI 310 SS	S21		AISI 321 SS
S22	AISI 446 SS	S06	Inconel 600	S25		Alloy 800
S26	Alloy 800H	S10	Hastelloy C-276	S23		Inconel 625
S24	Inconel 825	S05	Monel			
WELL MATERIAL					S01	
S09	ASTM A105	S01	AISI 304 SS	S02		AISI 316 SS
S03	AISI 316L SS	S20	AISI 310 SS	S21		AISI 321 SS
S22	AISI 446 SS	S06	Inconel 600	S25		Alloy 800
S26	Alloy 800H	S10	Hastelloy C-276	S23		Inconel 625
S24	Inconel 825	S05	Monel			
INSTRUMENT CONNECTION					P28	
P23	1/4" BSP (F)	P24	1/4" NPT (F)	P27		1/2" BSP (F)
P28	1/2" NPT (F)	P29	3/4" BSP (M)	P30		3/4" NPT (F)
P38	M10 X 1.0 mm (F)	P39	M14 X 1.25 mm (F)	P40		M20 X 1.5 mm (F)
PROCESS CONNECTION					P08	
P03	1/4" BSP (M)	P04	1/4" NPT (M)	P05		3/8" BSP (M)
P06	3/8" NPT (M)	P07	1/2" BSP (M)	P08		1/2" NPT (M)
P09	3/4" BSP (M)	P10	3/4" NPT (M)	P11		1" BSP (M)
P12	1" NPT (M)	P13	1 1/2" BSP (M)	P14		1 1/2" NPT (M)
P18	M10 X 1.0 mm (M)	P19	M14 X 1.25 mm (M)	P20		M20 X 1.5 mm (M)
HEAD TYPE & SIZE					H25	
HXX	Hex with XX mm A/F		LXX	Round with spanner slot and XX mm diameter		
WELL TYPE & SIZE					P2" Sch40	
PXX	Pipe type (pipe size & schedule)		TXX	Tube type (pipe OD & thickness)		
LAGGING EXTENSION					050	
XXX	35 mm to 350 mm					
IMMERSION LENGTH					00050	
XXXXX	25 mm to 5000 mm					
TIP THICKNESS					05	
XX	3 mm to 30 mm					
OTHER OPTIONS					XXX	
E77	Plug & Chain in stainless steel		E17	Material test certificate 3.1		E21

Ordering Example : TGI33-1.R3.S01.S01.P28.P08.H25/P2" Sch 40/050.00050.05/XXX