MANOTHERM
MT-W100FD

FLANGED THERMOWELL

Stepped Shank

FEATURES

- Solid bar-stock drilled design
- 3 different shank styles
- Flanged process connection

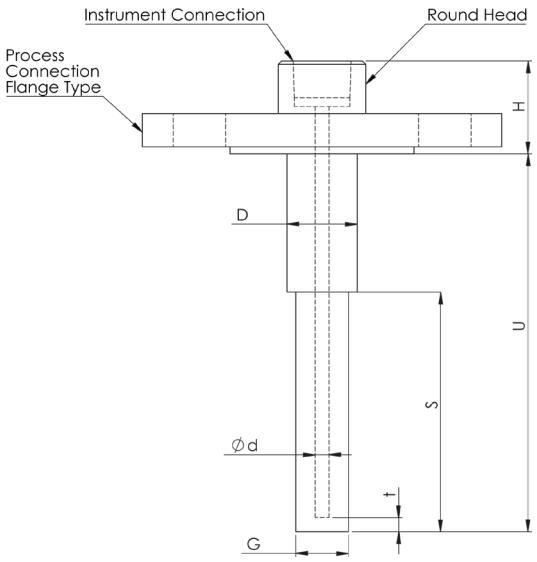
APPLICATIONS

- Air & flue gas
- Tanks & vessels
- Oil & Gas applications

STANDARD PARAMETERS

Shank form	Stepped
Flange material	AISI 316 SS
Well material	AISI 316 SS
Instrument connection	½" NPT (F)
Bore diameter	7 mm
Lag extension	50 mm
Root diameter	By order
Tip diameter	By order
Immersion length	By order
Tip thickness	5 mm
Process connection	Flange as per ANSI B16.5, EN 1092-1
Flange facing type	Raised face

DIMENSIONAL DRAWING



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ORDERING CODES

1. SHANK FORM — P

P	Stepped

2. FLANGE MATERIAL — MG

MB	Carbon Steel / ASTM A105	MG	AISI 316L SS
MC	AISI 304 SS	MV	Titanium
MF	AISI 316 SS		
MM	Monel		
MO	Hastelloy C-276		
MR	Inconel 625		
MI	AISI 321 SS		

3. WELL MATERIAL — MG

MB	Carbon Steel / ASTM A105	MG	AISI 316L SS
MC	AISI 304 SS	MV	Titanium
MF	AISI 316 SS		
MM	Monel		
MO	Hastelloy C-276		
MR	Inconel 625		
MI	AISI 321 SS		

4. INSTRUMENT CONNECTION — 05N

02N	¼" NPT (F)	04N	½" NPT (F)
05N	¾" NPT (F)	02B	¼" BSP (F)
04B	½" BSP (F)	05B	¾" BSP (F)
04M	M20 x 1.5 mm (F)		

5. PROCESS CONNECTION — XXX

XXX	Refer Flange Table for the codes

6. FLANGE FACING — FF

FF	Flat Face
RJ	Ring-Type Joint
RF	Raised Face

7. LAG EXTENSION ("T") — 210

XXX	35 mm up to 250 mm

8. CONNECTION LENGTH ("H") — 20

XXX	Mention in 'mm' (minimum 30mm)

9. ROOT DIAMETER ("D") — 18

XX.X	Mention in 'mm'

10. TIP DIAMETER ("G") — 18

XX.X	Mention in 'mm'

11. BORE DIAMETER ("d") — UU

NN	6.35 mm (¼")	OO	10 mm
UU	7.0 mm	YY	11 mm
VV	9.0 mm	LL	12 mm
WW	9.6 mm	ZZ	13 mm

12. IMMERSION LENGTH ("U") — 100

XXXX	50 mm up to 1000 mm

13. STEP / TAPER LENGTH ("S") — 50

XXX	Mention in 'mm'

14. TIP THICKNESS ("t") — QQ

QQ	5 mm
NN	6.35 mm (¼")
OO	10 mm

15. CONSTRUCTION — FA

FA	Flange & well full penetration welded
FB	Flange & well thread jointed and seal Welded
FC	Flange & well seal welded

16. COATING ON WELL & FLANGE — ME

ME	PTFE

NOTES
1. Other diameters, connections are available, please contact factory for details.
2. Please refer "Technical Reference" for the proper selection of connections according to Head size and Outer diameter of the well.

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17. OTHER OPTIONS	TC
XI	Plug & chain in SS
XK	Electro polishing
XL	Marking by laser
XM	Marking by engraving
TC	Material test certificate
TD	Dye penetration test
TF	PMI test
TH	Hydro test certificate
TN	NACE standards
TW	WFC as per PTC 19.3TW:2010

Ordering Example:
MT-W100FD-P-MG-MG-05N-XXX-FF-210-20-18-18-UU-100-50-QQ-FA-ME-TC

ORDERING CODES

ANSI B 16.5								
Code	Size	Rating	Code	Size	Rating	Code	Size	Rating
A01	½"	150#	A02	½"	300#	A03	½"	600#
A04	½"	900#	A05	½"	1500#	A06	½"	2500#
A07	¾"	150#	A08	¾"	300#	A09	¾"	600#
A10	¾"	900#	A11	¾"	1500#	A12	¾"	2500#
A13	1"	150#	A14	1"	300#	A15	1"	600#
A16	1"	900#	A17	1"	1500#	A18	1"	2500#
A19	1¼"	150#	A20	1¼"	300#	A21	1¼"	600#
A22	1¼"	900#	A23	1¼"	1500#	A24	1¼"	2500#
A25	1½"	150#	A26	1½"	300#	A27	1½"	600#
A28	1½"	900#	A29	1½"	1500#	A30	1½"	2500#
A31	2"	150#	A32	2"	300#	A33	2"	600#
A34	2"	900#	A35	2"	1500#	A36	2"	2500#
A37	2½"	150#	A38	2½"	300#	A39	2½"	600#
A40	2½"	900#	A41	2½"	1500#	A42	2½"	2500#
A43	3"	150#	A44	3"	300#	A45	3"	600#
A46	3"	900#	A47	3"	1500#	A48	3"	2500#
A49	4"	150#	A50	4"	300#	A51	4"	600#
A52	4"	900#	A53	4"	1500#	A54	4"	2500#

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