

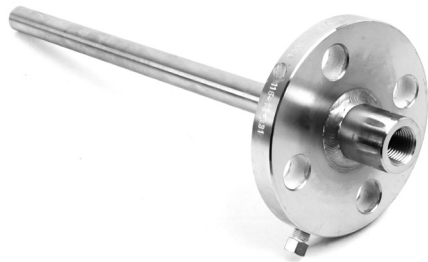
Flanged Type Thermowell



General Description

Flanged type thermowells are precision components manufactured to the highest standard from bar or forgings to serve as protective devices for primary sensing elements of all types.

A wide range of possible products are available. Conditions of pressure, temperature and corrosion resistance govern the size, shape and selection of materials to ensure optimum dependability system response and accuracy.



Standard Specification Overview

Stem Outdiameter

A wide variety of tube or pipe sizes in a variety of schedules subject to requirements and process conditions.

Material

A wide range of materials are available including 304, 316, 321 stainless steel, 446 Cr-Fe, Carbon Steel, Chromium Steels, Hastelloy C22, C276 and X, Incoloy 800, Inconel 600, Monel 600 and Titanium.

Instrument Connection

Female in API, NPT, BSP or other thread forms.

Process Connection

Connection to the pipe or vessel may be by means of flange. All sizes and pressure ratings are available to DIN, BS, ANSI/ASME and KS, JIS or other standards. Flanged connections are now the petrochemical standard for all applications.

Ordering Information for Thermowell

Model	Product Description		
WN	Bar-stock Threaded and enlarged Flange neck weld type (SK Standard)		
WG	Bar-stock Flanged Groove weld type (GS Standard)		
Code	Internal thread	WN	WG
F	PF 1/2"	★	★
T	PT 1/2"	★	★
N	NPT 1/2"	■	■
X	others	★	★
Code	Connection size	WN	WG
F	1/2" (15A)	★	★
H	3/4" (20A)	★	★
J	1" (25A)	★	★
P	1 1/4" (32A)	★	★
R	1 1/2" (40A)	■	■
T	2" (50A)	★	★
X	others	★	★
Code	Rating	WN	WG
15	150 lb	■	■
30	300 lb	★	★
60	600 lb	★	★
90	1500 lb	★	★
55	55mm	★	★
25	2500 lb	★	★
10	10 K	★	★
20	20 K	★	★
30	30 K	★	★
XX	others	★	★
Code	Facing	WN	WG
NO	None	★	★
FF	Flat face (125 to 250 AARH, Phonographic serrated)	★	★
FS	Flat face (max. 63 AARH, Smooth finish)	★	★
RF	Raised face (125 to 250 AARH, Phonographic serrated)	■	■
RS	Raised face (max. 63 AARH, Smooth finish)	★	★
J	Ring type joint (max. 63 AARH, Smooth finish)	★	★
Z	others	★	★
Code	Flange Material	WN	WG
SF	304SS	★	★
SS	316SS	■	■
AL	304L	★	★
SL	316L	★	★
MO	Monel	★	★
HC	Hastelloy C-276	★	★
IN	Inconel 600	★	★
IC	Incoloy 800	★	★

ZZ	others	★	★
Code	Well Material	WN	WG
SF	304SS	★	★
SS	316SS	■	■
AL	304L	★	★
SL	316L	★	★
MO	Monel	★	★
HC	Hastelloy C-276	★	★
IN	Inconel 600	★	★
IC	Incoloy 800	★	★
ZZ	others	★	★
Code	"T" Lagging length (mm)	WN	WG
45	45mm	■	■
50	50mm	★	★
55	55mm	★	★
57	57.2mm(2-1/4")	★	★
ZZ	on request	★	★
Code	"U" Insertion Length (mm)	WN	WG
0100	100mm	★	★
0150	150mm	★	★
0200	200mm	★	★
0250	250mm	★	★
0300	300mm	★	★
ZZZZ	on request	★	★
Code	Type	WN	WG
T	Tapered	■	■
S	Straight	★	★
P	Stepped	★	★
Code	Bore diameter	WN	WG
07	7mm	■	■
10	10mm	★	★
66	6.6mm (0.26")	★	★
98	9.8mm (0.385")	★	★
XX	others	★	★
Code	Tip & Neck diameter	WC	WF
Straight Only (Code S)			
12	12.7mm / 12.7mm		
14	14mm / 14mm	★	■
16	16mm / 16mm	★	★
17	17.3mm / 17.3mm	★	★
19	19.4mm(49/64") / 19.4mm(49/64")	★	★
21	21.7mm / 21.7mm	★	★
23	23mm / 23mm	★	★
55	15mm / 15mm	★	★

93	19.3mm / 19.3mm	★	★
Tapered (Code T)			
40	14mm / 20mm	★	★
43	14mm / 23mm	■	★
49	19.4mm (49/64") / 22.2mm(7/8")	★	★
50	14mm / 19mm	★	★
58	15.9mm(5/8") / 19.1mm(3/4")	★	★
59	15.9mm(5/8") / 22.2mm(7/8")	★	★
60	16mm / 20mm	★	★
63	16mm / 23mm	★	★
Code	Option	WN	WG
O	None	■	■
L	PTFE Lining	★	★
C	Stellite coating	★	★
B	Buffing # 300	★	★
H	Helium leak test	★	★
D	Dye penetration test	★	★
X	X-Ray Inspection	★	★
P	hydrastatic pressure test	★	★
M	Macro test	★	★
F	Full penetration weld type	★	★
Code	Cap & chain (If specified)	WN	WG
0	None	■	★
1	Brass	★	★
2	St. steel	★	■
Sample Model Selection : WGFJ15RFSSSS450250T0743			
Note 1. Other connection styles are available on request but specify it and the extra price applies.			
■ = Standard Products ★ = Available NA = Not Available			

HISCO, INC.

Agent: BWFA

672, Hosu-ro, Ilsandong-gu, Goyang-si, Gyeonggi-do, Korea

T: 82-31-813-8562 F: 82-31-629-7856 E-mail: bwfalee@daum.net http://www.bwfa.co.kr