

Welded Connection Thermowell

General Description

Weld in 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 NPT, PT, PF or other thread forms.

Process Connection

Connection to the pipe or vessel may be by means of weld in type or socket weld.

Weld in thermowells are normally used where process pressure and velocities are too great for flanged and threaded or where long term inexpensive connections are required.

Ordering Information for Thermowell

● = Standard Products ▲ = Available NA = Not Available

Model	Description		
WI	Bar-stock weld-in type		
WK	Bar-stock Socket weld type		
Code	Internal thread	WI	WK
F	PF 1/2"	▲	▲
T	PT 1/2"	▲	▲
N	NPT 1/2"	●	●
X	Others	▲	▲
Code	Well Material	WI	WK
SF	304SS	▲	▲
SS	316/316L SS	●	●
4F	A182 F304	▲	▲
6F	A182 F316	▲	▲
1F	A182 F91	▲	▲
XX	Others	▲	▲
Code	"T" Lagging length (mm)	WI	WK
45	45mm	●	●
50	50mm	▲	▲
55	55mm	▲	▲
75	75mm	▲	▲
XX	Others	▲	▲
Code	"U" Insertion Length (mm)	WI	WK
0100	100mm	▲	▲
0150	150mm	▲	▲
0200	200mm	▲	▲
0250	250mm	▲	▲
0300	300mm	▲	▲
XXXX	Others	▲	▲
Code	Type	WI	WK
T	Tapered	●	▲
S	Straight	▲	●
Code	Bore diameter	WI	WK
07	7mm	●	●
09	9mm	▲	▲
10	10mm	▲	▲
XX	Others	▲	▲
Code	Tip diameter	WI	WK
14	14	▲	▲
16	16	▲	▲
17	17	▲	▲
19	19	▲	▲

XX	Others		▲	▲
Code	Root diameter		WI	WK
14	14		▲	▲
16	16		▲	▲
17	17		▲	▲
19	19		▲	▲
20	20		▲	▲
21	21		▲	▲
23	23		▲	▲
25	25		▲	▲
XX	Others		▲	▲
Code	Option		WI	WK
0	None		●	●
A	Chain & Plug (304 SS)		▲	▲
B	Chain & Plug (316 SS)		▲	▲
X	X-Ray Inspection		▲	▲

Sample Model Selection : WKFSS450150T0743
 * The standard specification and price are subject to change without prior notice