



Thermowells

A thermowell is an important component of any temperature measurement point. It is used to separate the process from the surrounding area, thus protecting the environment and operating personnel and keeps aggressive media, high pressures and flow rates from the temperature sensor itself and thereby enables the thermometer to be exchanged during operation.

STTW-02

FEATURES

- Thermowell with threaded flange can be manufactured from solid bar, threaded or welded construction
- Used by the following industries; Petrochemical industry, on/offshore, Plant construction, Chemical industry
- Thermowells are available for a wide variety of applications and there are a large number of variants, based on thermowell designs or materials. When specifying a thermowell, the type of process connection and method of manufacture need to be considered;
 - Solid-machined thermowells are manufactured from one piece of bar stock material with no joins
 - Threaded Thermowells are a flange and screwed in tip, with fillet welds to prevent thread disengagement
 - Welded thermowells are a flange and tip joined by a full penetration weld
- All thermowells are designed in accordance with wake frequency calculations (ASME PTC 19.3 TW-2016) submitted with quotation

ORDERING INFORMATION

TYPE	S = Solid Bar W = Welded T = Threaded
FLANGE SIZE	10 = 1" 15 = 1.5" 20 = 2" 25 = 2.5"
FLANGE FACE	RF = Raised Face RJ = Ring Type Joint
PRESSURE CLASS	150, 300, 600, 1500 & 2500 ANSI
MATERIAL (others upon request)	304 = 304 St. Steel M = Monel SD = Super Duplex 316 = 316 St. Steel I = Incone H = Hastelloy
INSTRUMENT CONNECTION	N = 1/2" NPT G = 1/2" G
BORE	6 = Ø6.6mm 8 = Ø8.5mm
INSERTION LENGTH	Customer to specify (in inches)
ASSEMBLY WITH THERMOMETER	T = With thermometer; without thermometer left blank
COATING OPTIONS	Request details on available coating applications

WORKED EXAMPLES

STTW-S-10-RF-150-316-N-6-4-T-C	Solid Bar 1" RF 150 ANSI Flanged in 316 SS with a 1" NPT instrument connection, Ø6.6mm bore and 4" insertion length complete with thermometer, Thermowell coated
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