

Thermowells

Thermowells are tubular shields inserted into and fastened on an existing pipeline or vessel and accept numerous types of temperature probes including RTDs and thermocouples. They are used to protect temperature sensors from harmful working conditions and to facilitate the repair or replacement of sensors without interrupting the process being monitored.

Most Common Type:

Flanged
 Threaded
 Welded
 Van-Stone
 Wrench

Types of Stem:

Straight
 Tapper
 Stepped

Types of Bore:

Single Bore
 Stepped Bore

Standard "U" Length:

U=220mm
 U=250mm
 U=300mm
 U=350mm
 U=500mm

*Consult factory for others value.

Standard Size and Rating (for flanged type)

1 1/2", 300#, RF
 1 1/2", 600#, RF
 1 1/2", 1500#, RTJ
 2", 300#, RF
 2", 600#, RF

*Other rating on request

Wake Frequency Calculation Standard

ASME PTC 19.3-2010

Standard Wake Frequency Ratio

0.8 for medium service
 0.4 for sever one

MATERIAL

304SS, 316/316LSS, Monel 400, Alloy 800, Alloy 600, Hastelloy C
 *surface overlay and compliance with NACE MR0175/ISO 15156 and MR0103 are available too.

Fabrication Method

Full Penetration Weld between flange & Stem for sever service
 Standard Penetration Weld for low and medium pressure & temperature
 Threaded between flange and stem with seal weld
 Forged thermowell

Nominal pipe Size:

4inch to 60inch

*for line size less than 4", "u" length is considered as 4" and line should be expand to 4" or thermo well should be installed on elbow.

