

MODELS- 2066, 2067, 2069



Thermometer Thermowell's

Description:

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 and thereby enables the thermometer to be exchanged during operation.

There are a large number of variants, such as thermowell designs or materials. The type of process connection and the basic method of manufacture are important design differentiation criteria. A basic differentiation can be made between threaded and weld-in thermowells, and those with flange connections.

Thermowell material:

Selection of the proper thermowell material for the process is also important to preventing thermowell failure. Thermowell material is usually chosen based upon a consideration of the temperature of the process into which the thermowell is being immersed, the corrosion conditions of that process, the material of construction of the piping, vessel or other structure into which the thermowell is being installed and the possibility of erosive conditions. It is important that you are aware of these factors before selecting a particular Thermowell material.

Design

The process conditions also have an effect on Thermowell design, particularly for flow induced stress and vibration. Thermowell calculations can be performed using process parameters to determine suitability.

Thermowell's can be manufactured from Solid bar or Fabricated. In a range of materials : 316 St.St, HASTELLOY®, MONEL® etc. in the following length's and thread's.

Length's	(Dimension 'U' See Drawings Page 2)
Solid:	50mm to 700mm
Fabricated:	50mm to 3 metre

Thread's

½", ¾", 1", NPT, BSPT (other threads available on request)

N.B. For Flanged Thermowell's of 1" NB (Nominal Bore) and below, check that the Thermowell top diameter fits into customer stand-off bore. (Dependant on Bulb/Stem diameter and customer pipe schedule)

Disclaimer

The user is responsible for ensuring that the Thermowell material is compatible with the process fluid(s) including identification of stress corrosion or embrittlement effects.



Model No 2069

STEWART-BUCHANAN GAUGES LTD

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DATA SHEET REF: Thermowell-REV01-17

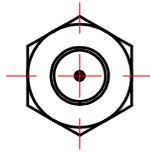
Specifications and dimensions in this leaflet, are subject to change without prior notice.

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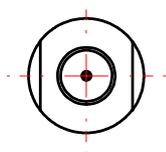
Thermometer Thermowell's



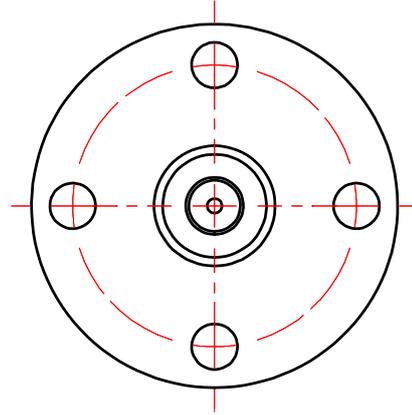
HEXAGONAL
HEAD
MODEL - 2066



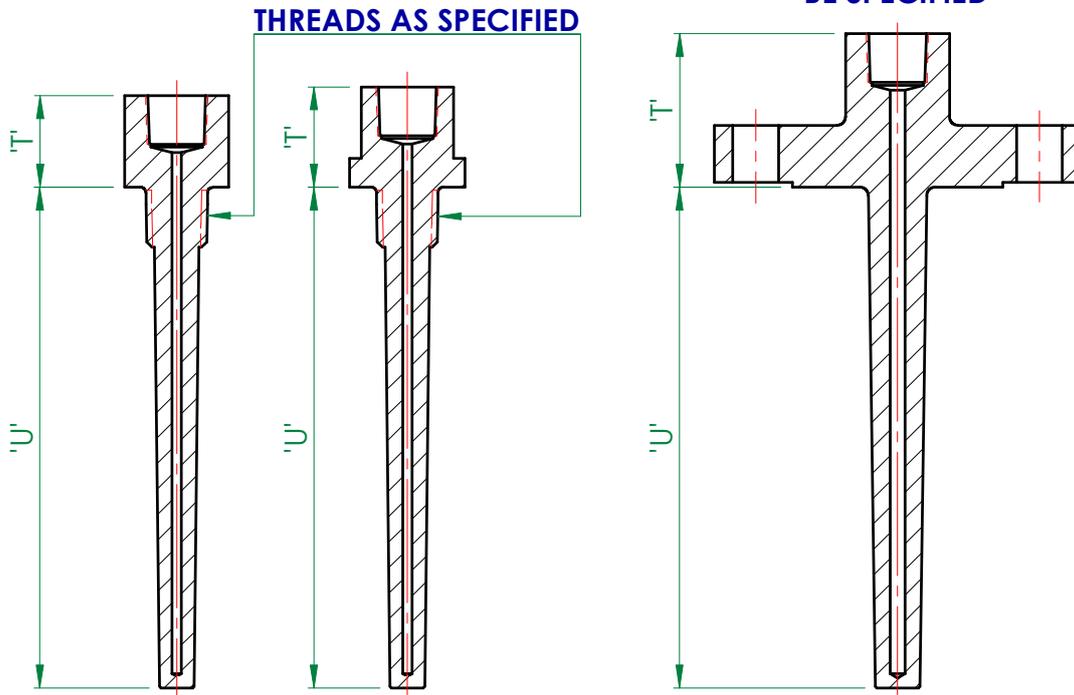
SPANNER
FLATS
MODEL - 2067



FLANGE
MODEL - 2069



FLANGE RATING
AND SEATING TO
BE SPECIFIED



Other variants are available on request.

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