Magwell Thermowells

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Thermowell is a cylindrical fitting used to protect temperature sensors installed when measuring temperate of the process medium be it liquid or gas, the thermowell protects the Bimetal Thermometer, RTD's & Thermcouples. It also protects the liquid from contamination. Thermowell acts as a barrier between a process medium and the sensing element of a temperature measuring device. It protects against corrosive process media, as well as media contained under pressure or flowing at a high velocity.

Features

- Solid Bore Construction
- Wide selection of Materials
- Numerous combinations for complex industrial applications
- Meets ASME PTC 19.3 TW-2016 Standards
- Materials according to NACE MR 01-75
- Custom engineered to most demanding requirements
- Unique Serial numbers on all Thermowells
- Completely Designed and Engineered in-house
- Wake Frequency calculations shall be provided*
- Full penetration welds on all Flanged Thermowells

Wake Frequency Calculation

Magwell uses New Thermowell velocity design software that ensures you meet the new code ASME PTC 19.3 TW 2016.

Applications

- Liquid & Gaseous Medium
- Corrosive Environments
- Oil & Gas Applications
- Chemical & Petrochemical Plants
- Food & Beverage Industries
- Nuclear Power Plants

Magwell Thermowells are Designed, Engineered and tested by Magwell as per the industry standards. Each and every threaded Thermowells are machined from Single Bar Stock and the Flanged Thermowells are manufactured with full penetration Welds. Magwell provides the most thorough Wake Frequency analysis, to ensure the Thermowells meet your most demanding applications. Provide us the complete process parameters to us, and we shall do the complete engineering of the Thermowells for you. Magwell Thermowells comes with unique serial number, which helps the customers to identify the specifications of the Thermowells at site and also for ordering the replacement parts.

Root Dimension (Q): The "Q" dimension of a thermowell is the thickest part of the shank of the thermowell that is on the hot side of the process connection or flange. The size of a thermowell Q dimension is, related to the bore size of the thermowell and the process connection size.

Bore size: The inside diameter of a Thermowell. Standard Thermowell bore sizes are .260" and .385". These sizes are intended to accept a quarter or three eights inch diameter sensor.

Immersion ("U") Length: Thermowell immersion lengths are often called the "U" length. The U length is the measurement of the Thermowell from the bottom of the process connection to the tip of the Thermowell. The U length establishes the length of the Thermowell that is actually in the process being measured.

Thermowell Lagging Extension ("T") Length: The lagging extension of a thermowell is often referred to as the thermowell's "T" length. The lagging extension or T length is located on the cold side of the process connection and is usually an extension of the hex length of the Thermowell. Typically, the T length enables the probe and thermowell to extend through insulation or walls.





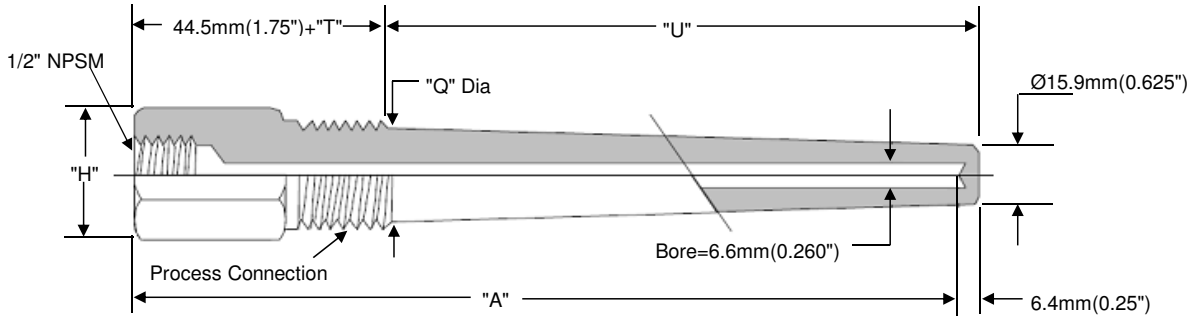


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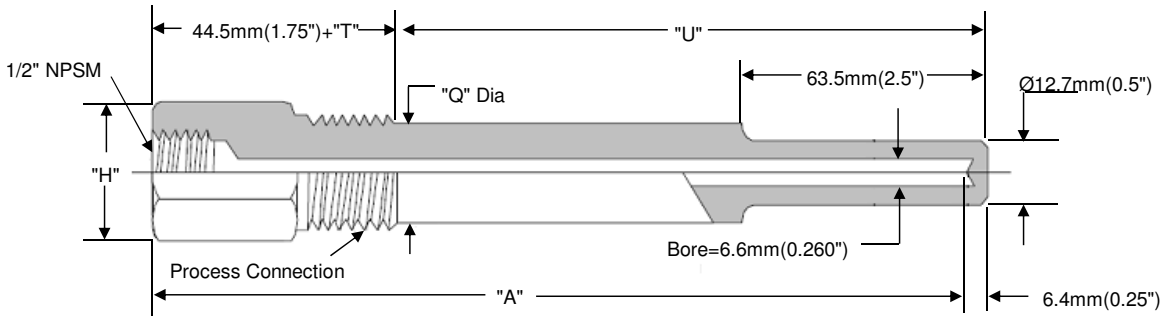
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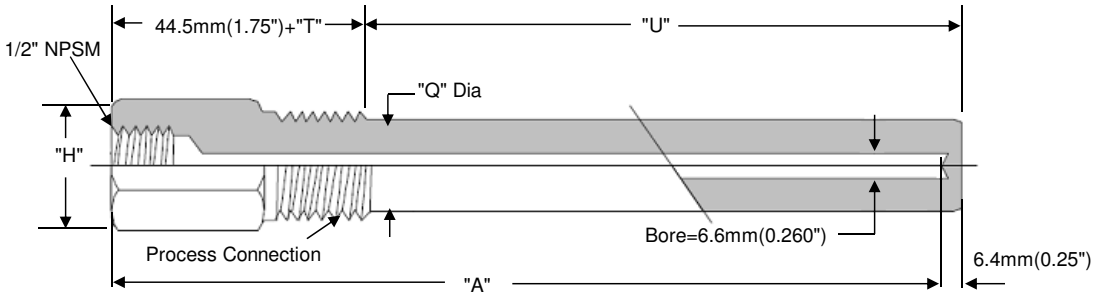
Screwed Type Model M1010 - Tapered Stem



Screwed Type Model M1011 - Stepped Stem



Screwed Type Model M1012 - Straight Stem



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Bar Stock Threaded Thermowells

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Model	Description
1010	Threaded Thermowell, Tapered Stem
1011	Threaded Thermowell, Stepped Stem
1012	Threaded Thermowell, Straight Stem

Code	Process Connection
A	1/2" NPT
B	3/4" NPT
C	1" NPT

Code	Bore Diameter
2	.260 Inches
3	.385 Inches
X	Specify

Code	Lag Length T
0	Standard
3	3"
6	6"
X	Specify in Inches

Code	Material
S4	SS304
S6	SS316
SL	SS316L
BR	Brass
MN	Monel
H6	Hastelly C 276
XX	Specify

Code	U Length
XXX	Specify in Inches

Code	Options
M	MTC Certificates
P	PMI Certificates
W	Wake Frequency Calculations
C	Cap & Chain
T	Tag
D	Dye Penetrant Test
H	Hydro Test
X	X-Ray Test



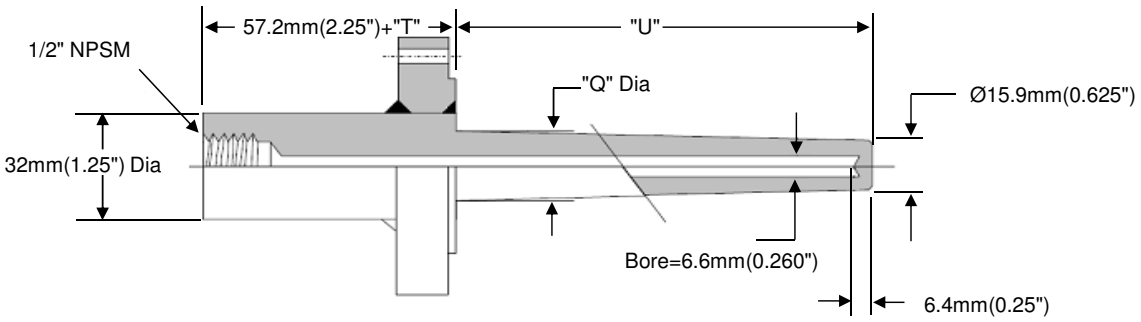
							Typical Model Number

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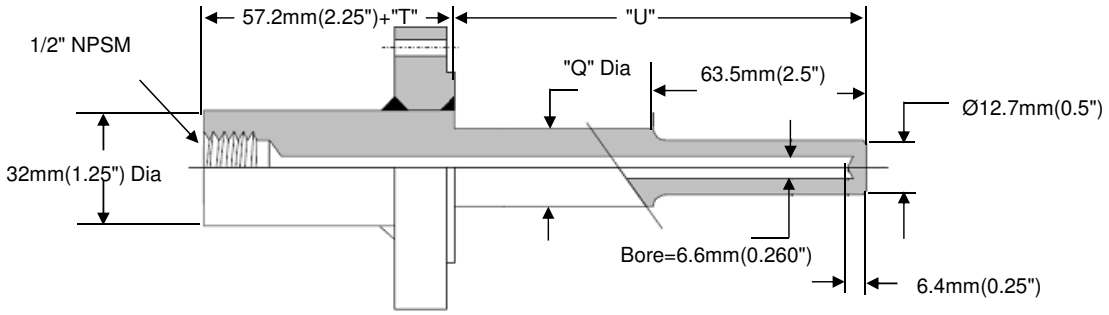
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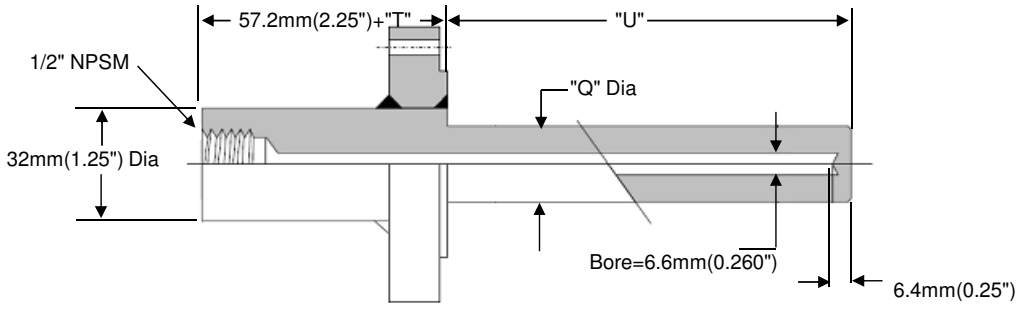
Flanged Type Model M2020 - Tapered Stem



Flanged Type Model M2021 - Stepped Stem



Flanged Type Model M1012 - Straight Stem



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Model	Description
2020	Flanged Thermowell, Tapered Stem
2021	Flanged Thermowell, Stepped Stem
2022	Flanged Thermowell, Straight Stem

Code	Process Connection
A	1/2"
B	3/4"
C	1”
D	1 1/2”
E	2”
F	2 1/2”
G	3”

Code	Bore Diameter
F1	150 LBS
F2	300 LBS
F3	600 LBS
F4	900 LBS
F5	1500 LBS
F6	2500 LBS

Code	Flange Type
RF	Raised Face Flange
RTJ	Ring Joint Flange
FF	Flat Face Flange

Code	Bore diameter
2	0.260 Inches
3	0.385 Inches
X	Specify

Code	Lag Length
0	Standard
3	3”
6	6”
X	Specify in Inches



Code	Material
S4	SS304
S6	SS316
SL	SS316L
BR	Brass
MN	Monel
H6	Hastelloy C276
XX	Specify

Code	U Length
XX	Specify in Inches

Code	Options
M	MTC Certificates
P	PMI Certificates
W	Wake Frequency Calculations
C	Cap & Chain
T	Tag Plate
D	Dye Penetrant Test
H	Hydro Test
X	X-Ray Test

									Typical Model Number

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