



KODIAK CONTROLS

**Manufacturer's Representative and
Stocking Specialist for O.E.M.s and Distributors**

Precision Instrument Company is a full line Thermowell Manufacturer. We Manufacture all sizes, connections and materials, Stocking the most commonly used types. We also make specials and carry accessories allowing for many options with quick deliveries.



Standard Wells



Lagging Wells



ANSI Flanged



RTJ Flanged



Weld In



Socket Weld



Van Stone



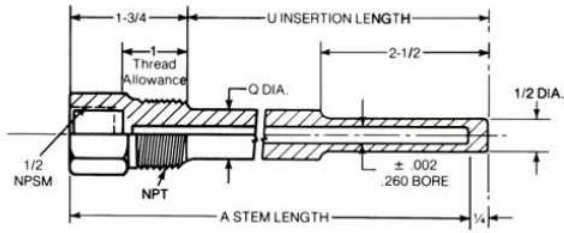
Test Port

Our capabilities include:

Available Materials		Available Connections		<u>Special Application</u>
Brass	Hastelloy C	Threaded	Clamped	<u>High Pressure</u>
Steel	Titanium	Flanged	Sanitary	<u>High Velocity</u>
Stainless Steel	Tantalum	Welded	Van Stone	<u>Sanitary</u>
Monel	Ceramic			<u>Test Port</u>

Wells for Industrial Bimetal Thermometers

Standard Wells



1/2" NPT x 1/2" NPT

A	U	Brass	Steel	304SS	316SS
2 1/2"	1 5/8"	TW-BR02-22S	TW-CS02-22S	TW-ST02-22S	TW-SS02-22S
4"	2 1/2"	TW-BR04-22S	TW-CS04-22S	TW-ST04-22S	TW-SS04-22S
6"	4 1/2"	TW-BR06-22S	TW-CS06-22S	TW-ST06-22S	TW-SS06-22S
9"	7 1/2"	TW-BR09-22S	TW-CS09-22S	TW-ST09-22S	TW-SS09-22S
12"	10 1/2"	TW-BR12-22S	TW-CS12-22S	TW-ST12-22S	TW-SS12-22S

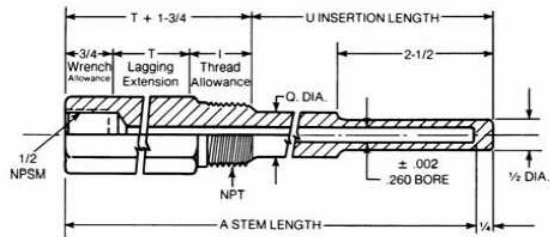
1/2" NPT x 3/4" NPT

A	U	Brass	Steel	304SS	316SS
2 1/2"	1 5/8"	TW-BR02-23S	TW-CS02-23S	TW-ST02-23S	TW-SS02-23S
4"	2 1/2"	TW-BR04-23S	TW-CS04-23S	TW-ST04-23S	TW-SS04-23S
6"	4 1/2"	TW-BR06-23S	TW-CS06-23S	TW-ST06-23S	TW-SS06-23S
9"	7 1/2"	TW-BR09-23S	TW-CS09-23S	TW-ST09-23S	TW-SS09-23S
12"	10 1/2"	TW-BR12-23S	TW-CS12-23S	TW-ST12-23S	TW-SS12-23S
15"	13 1/2"	TW-BR15-23S	TW-CS15-23S	TW-ST15-23S	TW-SS15-23S
18"	16 1/2"	TW-BR18-23S	TW-CS18-23S	TW-ST18-23S	TW-SS18-23S
24"	22 1/2"	TW-BR24-23S	TW-CS24-23S	TW-ST24-23S	TW-SS24-23S

1/2" NPT x 1" NPT

A	U	Brass	Steel	304SS	316SS
2 1/2"	1 5/8"	TW-BR02-24S	TW-CS02-24S	TW-ST02-24S	TW-SS02-24S
4"	2 1/2"	TW-BR04-24S	TW-CS04-24S	TW-ST04-24S	TW-SS04-24S
6"	4 1/2"	TW-BR06-24S	TW-CS06-24S	TW-ST06-24S	TW-SS06-24S
9"	7 1/2"	TW-BR09-24S	TW-CS09-24S	TW-ST09-24S	TW-SS09-24S
12"	10 1/2"	TW-BR12-24S	TW-CS12-24S	TW-ST12-24S	TW-SS12-24S
15"	13 1/2"	TW-BR15-24S	TW-CS15-24S	TW-ST15-24S	TW-SS15-24S
18"	16 1/2"	TW-BR18-24S	TW-CS18-24S	TW-ST18-24S	TW-SS18-24S
24"	22 1/2"	TW-BR24-24S	TW-CS24-24S	TW-ST24-24S	TW-SS24-24S

Wells with Lagging Extension



1/2" NPT x 1/2" NPT

A	U	T	Brass	Steel	304SS	316SS
2 1/2"	-	1	TW-BR02-22L	TW-CS02-22L	TW-ST02-22L	TW-SS02-22L
4"	1 5/8"	2	TW-BR04-22L	TW-CS04-22L	TW-ST04-22L	TW-SS04-22L
6"	2 1/2"	3	TW-BR06-22L	TW-CS06-22L	TW-ST06-22L	TW-SS06-22L
9"	4 1/2"	3	TW-BR09-22L	TW-CS09-22L	TW-ST09-22L	TW-SS09-22L
12"	7 1/2"	3	TW-BR12-22L	TW-CS12-22L	TW-ST12-22L	TW-SS12-22L

1/2" NPT x 3/4" NPT

A	U	T	Brass	Steel	304SS	316SS
2 1/2"	-	1	TW-BR02-23L	TW-CS02-23L	TW-ST02-23L	TW-SS02-23L
4"	1 5/8"	2	TW-BR04-23L	TW-CS04-23L	TW-ST04-23L	TW-SS04-23L
6"	2 1/2"	3	TW-BR06-23L	TW-CS06-23L	TW-ST06-23L	TW-SS06-23L
9"	4 1/2"	3	TW-BR09-23L	TW-CS09-23L	TW-ST09-23L	TW-SS09-23L
12"	7 1/2"	3	TW-BR12-23L	TW-CS12-23L	TW-ST12-23L	TW-SS12-23L
15"	10 1/2"	3	TW-BR15-23L	TW-CS15-23L	TW-ST15-23L	TW-SS15-23L
18"	13 1/2"	3	TW-BR18-23L	TW-CS18-23L	TW-ST18-23L	TW-SS18-23L
24"	19 1/2"	3	TW-BR24-23L	TW-CS24-23L	TW-ST24-23L	TW-SS24-23L

1/2" NPT x 1" NPT

A	U	T	Brass	Steel	304SS	316SS
2 1/2"	-	1	TW-BR02-24L	TW-CS02-24L	TW-ST02-24L	TW-SS02-24L
4"	1 5/8"	2	TW-BR04-24L	TW-CS04-24L	TW-ST04-24L	TW-SS04-24L
6"	2 1/2"	3	TW-BR06-24L	TW-CS06-24L	TW-ST06-24L	TW-SS06-24L
9"	4 1/2"	3	TW-BR09-24L	TW-CS09-24L	TW-ST09-24L	TW-SS09-24L
12"	7 1/2"	3	TW-BR12-24L	TW-CS12-24L	TW-ST12-24L	TW-SS12-24L
15"	10 1/2"	3	TW-BR15-24L	TW-CS15-24L	TW-ST15-24L	TW-SS15-24L
18"	13 1/2"	3	TW-BR18-24L	TW-CS18-24L	TW-ST18-24L	TW-SS18-24L
24"	19 1/2"	3	TW-BR24-24L	TW-CS24-24L	TW-ST24-24L	TW-SS24-24L

Brass Wells are not recommended for installations involving pressures and/or temperatures over 400°F

Brass cap and Chain available to keep bore clean when not in use

Other Wells available by request:

Materials	Connection Types	Special Application
Hastelloy C Titanium Tantelum Teflon Coating	ASA Flanged Van Stone Weld-in Tri-Clamp	High Pressure High Velocity Sanitary Test Port

Thermowell Part Number System

TW XX XX - X X X X - X X X X X X X X

Material of Construction
 BR = Brass
 CS = Carbon Steel
 ST = 304 SS
 SS = 316SS
 SL = 316L SS
 XX = Special

Thermometer Stem Length
 (Overall Thermowell Length - 1/4")
 02 = 2 1/2" Stem
 04 = 4" Stem
 06 = 6" Stem
 09 = 9" Stem
 12 = 12" Stem

Female Thread (Instrument Connection)
 1 = 1/4" NPT
 2 = 1/2" NPT

Process Connection Size
 2 = 1/2"
 3 = 3/4"
 4 = 1"
 5 = 1 1/2"
 6 = 1 1/2"
 7 = 2"
 8 = 2 1/2"
 9 = 3"
 X = Special Size

Flange Type
 RF = Raised Face Flange
 FF = Flat Faced Flange
 RJ = Ring Type Joint Flange
 VS = Van Stone

Flange Pressure Rating
 1 = 150 #
 3 = 300 #
 6 = 600 #
 9 = 900 #
 5 = 1500 #

U Dimension (Insertion)
 Given in inches as decimal (See examples below)
 04.75 = 4 3/4"
 11.75 = 11 3/4"
 20.25 = 20 1/4"

Bore Diameter
 2 = .260"
 3 = .385"
 5 = .500"

Thermowell Style
 S = Stepped (Standard)
 E = Straight
 L = Lagging
 F = Flanged
 T = Tapered