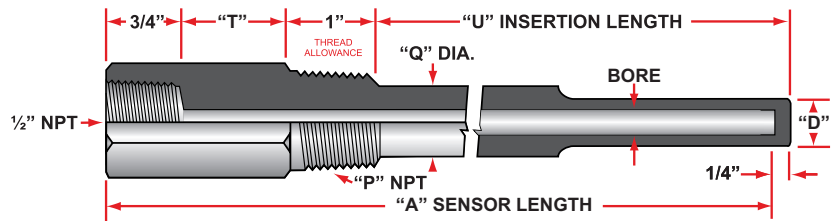
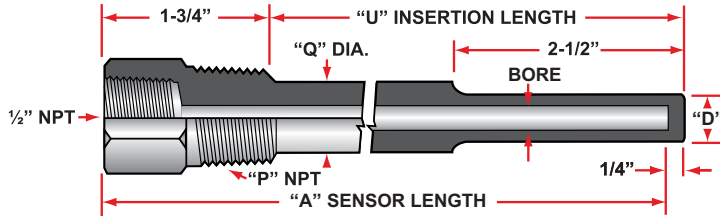


## Standard Threaded Thermowells for 1/4" and 3/8" Sensors

GIC offers thermowells to meet demanding conditions - corrosion, pressure and temperature. Thermowells from drilled bar - stock result in pressure-tight seals that provide the required protection.



**1. Well Bore Dia.**  
 260 = For 1/4" Dia. Sensors  
 385 = For 3/8" Dia. Sensors

**2. Process Connection "P"**  
 A = 1/2" NPT B = 3/4" NPT C = 1" NPT

**3. Sensor Length "A" (See Chart)**  
 06 = 6" 12 = 12" 18 = 18"  
 09 = 9" 15 = 15" 24 = 24"

**4. Lagging**  
 N = Non-Lagging  
 L = Lagging

**5. Special Options**  
 N = None  
 1 = Brass Well Cap and Chain  
 4 = 304SS Well Cap and Chain  
 6 = 316SS Well Cap and Chain  
 Z = Other (Consult Factory)

**6. Well Material**  
 1 = Brass  
 2 = Carbon Steel  
 4 = A.I.S.I. - 304SS  
 6 = A.I.S.I. - 316SS  
 7 = Monel



GENERAL PURPOSE CODE	"P"	DIMENSIONS		
		BORE	"D"	"Q"
WTS-260A	1/2" NPT	.260"	.500"	.625
WTS-260B	3/4" NPT	.260"	.500"	.750
WTS-260C	1" NPT	.260"	.500"	.875
WTS-385A	1/2" NPT	.385"	.680"	.680
WTS-385B	3/4" NPT	.385"	.766"	.766
WTS-385C	1" NPT	.385"	.766"	.875

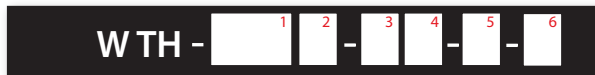
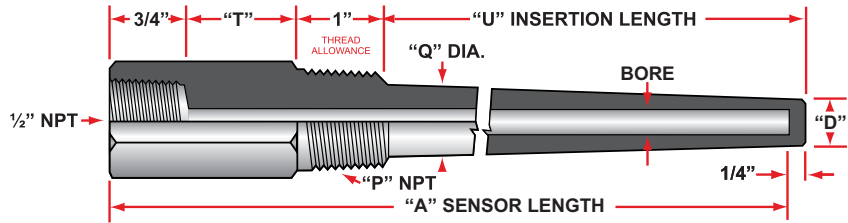
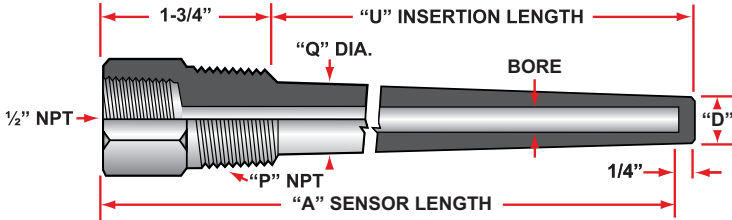
CODE	ELEMENT LENGTH "A"	INSERTION "U"		LAG. EXT. "T"
		W/O LAG	WITH LAG	
04	4"	2-1/2"	-	-
06	6"	4-1/2"	2-1/2"	2"
09	9"	7-1/2"	4-1/2"	3"
12	12"	10-1/2"	7-1/2"	3"
15	15"	13-1/2"	10-1/2"	3"
18	18"	16-1/2"	13-1/2"	3"
24	24"	22-1/2"	19-1/2"	3"

Pressure - Temperature Rating (lbs/sq. in)

MATERIAL	TEMPERATURE						
	70	200	400	600	800	1000	1200
Brass	5000	4200	1000	--	--	--	--
Carbon Steel	5200	5000	4800	4600	3500	1500	--
A.I.S.I. - 304	7000	6200	5400	5400	5200	4500	1650
A.I.S.I. - 316	7000	7000	6200	6100	6100	5100	2500
Monel	6500	6000	5400	5200	5200	1500	--

## Heavy Duty Thermowells for 1/4" and 3/8" Sensors

Tapered shank wells provide greater stiffness for the same sensitivity. The higher strength to weight ratio gives these wells higher material frequency than for equivalent length straight shank wells.



### 1. Well Bore Dia.

260 = For 1/4" Dia. Sensors  
385 = For 3/8" Dia. Sensors

### 2. Process Connection "P"

A = 1/2" NPT B = 3/4" NPT C = 1" NPT

### 3. Sensor Length "A" (See Chart)

06 = 6" 12 = 12"  
09 = 9" 15 = 15"

### 4. Lagging

N = Non-Lagging  
L = Lagging

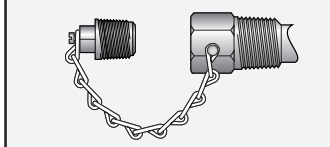
### 5. Special Options

N = None  
1 = Brass Well Cap and Chain  
4 = 304SS Well Cap and Chain  
6 = 316SS Well Cap and Chain  
Z = Other (Consult Factory)

### 6. Well Material

1 = Brass  
2 = Carbon Steel  
4 = A.I.S.I. - 304SS  
6 = A.I.S.I. - 316SS  
7 = Monel

Optional Well Cap and Chain



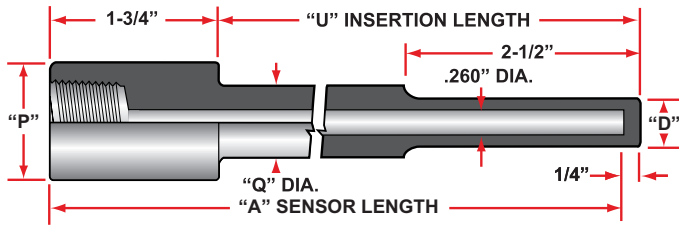
HEAVY DUTY		DIMENSIONS		
CODE	"P"	BORE	"D"	"Q"
WTH-260A	1/2" NPT	.260"	.625"	.625
WTH-260B	3/4" NPT	.260"	.625"	.750
WTH-260C	1" NPT	.260"	.625"	.875
WTH-385A	1/2" NPT	.385"	.625"	.680
WTH-385B	3/4" NPT	.385"	.766"	.766
WTH-385C	1" NPT	.385"	.766"	.875

CODE	ELEMENT LENGTH "A"	INSERTION "U"		LAG. EXT. "T"
		W/O LAG	WITH LAG	
04	4"	2-1/2"	-	-
06	6"	4-1/2"	2-1/2"	2"
09	9"	7-1/2"	4-1/2"	3"
12	12"	10-1/2"	7-1/2"	3"
15	15"	13-1/2"	10-1/2"	3"
18	18"	16-1/2"	13-1/2"	3"
24	24"	22-1/2"	19-1/2"	3"

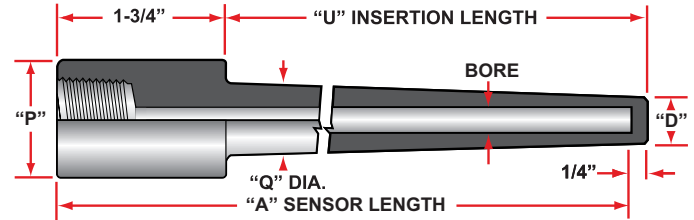
Pressure - Temperature Rating (lbs/sq. in)

MATERIAL	TEMPERATURE						
	70	200	400	600	800	1000	1200
Brass	5000	4200	1000	--	--	--	--
Carbon Steel	5200	5000	4800	4600	3500	1500	--
A.I.S.I. - 304	7000	6200	5400	5400	5200	4500	1650
A.I.S.I. - 316	7000	7000	6200	6100	6100	5100	2500
Monel	6500	6000	5400	5200	5200	1500	--

Socket-Weld Thermowells for 1/4" and 3/8" Sensors



The 3/4" and 1" nominal pipe size welding shoulder of the socket-weld thermowell fits ANSI welding fittings and flanges.



**1. Construction**  
S = General Purpose  
H = Heavy Duty

**2. Well Bore Dia.**  
260 = For 1/4" Dia. Sensors  
385 = For 3/8" Dia. Sensors

**3. Process Connection "P"**  
B = 3/4" NPT C = 1" NPT

**4. Sensor Length "A" (See Chart)**  
06 = 6"    12 = 12"    18 = 18"  
09 = 9"    15 = 15"    24 = 24"

**5. Special Options**  
N = None  
1 = Brass Well Cap and Chain  
4 = 304SS Well Cap and Chain  
6 = 316SS Well Cap and Chain  
Z = Other (Consult Factory)

**6. Well Material**  
1 = Brass  
2 = Carbon Steel  
4 = A.I.S.I. - 304SS  
6 = A.I.S.I. - 316SS  
7 = Monel

CODE	SOCKET-WELD "P"	DIMENSIONS		
		BORE	"D"	"Q"
WSS-260B	1.050" Dia.	.260"	.500"	.750
WSS-260C	1.315" Dia.	.260"	.500"	.875
WSS-385B	1.050" Dia.	.260"	.766"	.766
WSS-385C	1.315" Dia.	.260"	.766"	.766
WSH-260B	1.050" Dia.	.385"	.625"	.875
WSH-260C	1.315" Dia.	.385"	.625"	1.00
WSH-385B	1.050" Dia.	.385"	.766"	.875
WSH-385C	1.315" Dia.	.385"	.766"	1.00

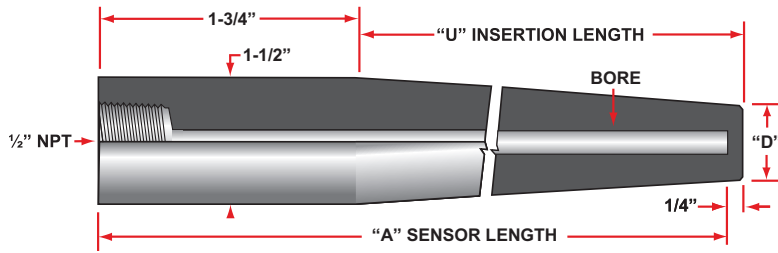
CODE	ELEMENT	
	LENGTH "A"	INSERTION "U"
04	4"	2-1/2"
06	6"	4-1/2"
09	9"	7-1/2"
12	12"	10-1/2"
15	15"	13-1/2"
18	18"	16-1/2"
24	24"	22-1/2"

Pressure - Temperature Rating (lbs/sq. in)

MATERIAL	TEMPERATURE						
	70	200	400	600	800	1000	1200
Brass	5000	4200	1000	--	--	--	--
Carbon Steel	5200	5000	4800	4600	3500	1500	--
A.I.S.I. - 304	7000	6200	5400	5400	5200	4500	1650
A.I.S.I. - 316	7000	7000	6200	6100	6100	5100	2500
Monel	6500	6000	5400	5200	5200	1500	--



### Weld-In Thermowells for 1/4" and 3/8" Sensors



Weld-in Thermowells require no fittings or flanges. These are designed for welding directly into piping.

**W W I -**   **- N N -**

#### 1. Well Bore Dia.

260 = For 1/4" Dia. Sensors  
385 = For 3/8" Dia. Sensors

#### 2. Sensor Length "A" (See Chart)

06 = 6"    12 = 12"    18 = 18"  
09 = 9"    15 = 15"    24 = 24"

#### 3. Special Options

N = None  
1 = Brass Well Cap and Chain  
4 = 304SS Well Cap and Chain  
6 = 316SS Well Cap and Chain  
Z = Other (Consult Factory)

#### 4. Well Material

1 = Brass  
2 = Carbon Steel  
4 = A.I.S.I. - 304SS  
6 = A.I.S.I. - 316SS  
7 = Monel

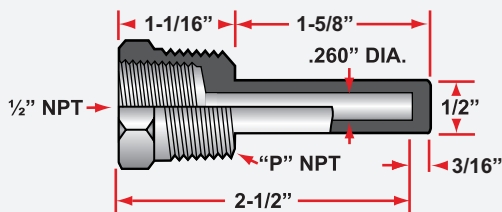
ELEMENT CODE	LENGTH "A"	INSERTION "U"
04	4"	2-1/2"
06	6"	4-1/2"
09	9"	7-1/2"
12	12"	10-1/2"
15	15"	13-1/2"
18	18"	16-1/2"
24	24"	22-1/2"

Pressure - Temperature Rating (lbs/sq. in)

MATERIAL	TEMPERATURE						
	70	200	400	600	800	1000	1200
Brass	5000	4200	1000	--	--	--	--
Carbon Steel	5200	5000	4800	4600	3500	1500	--
A.I.S.I. - 304	7000	6200	5400	5400	5200	4500	1650
A.I.S.I. - 316	7000	7000	6200	6100	6100	5100	2500
Monel	6500	6000	5400	5200	5200	1500	--

### Limited Space Thermowells for 1/4" Sensors

Limited Space Thermowells are used where short insertion length is necessary as in short length of tees.



For more Thermowell options and in-depth specifications see our website at:

[www.GICThermodynamics.com](http://www.GICThermodynamics.com)

**W L S - 260**   **- 25 N -**

#### 1. Process Connection

A = 1/2" NPT ("U" = 1")  
B = 3/4" NPT ("U" = 1-5/8")  
C = 1" NPT ("U" = 1-5/8")

#### 2. Special Options

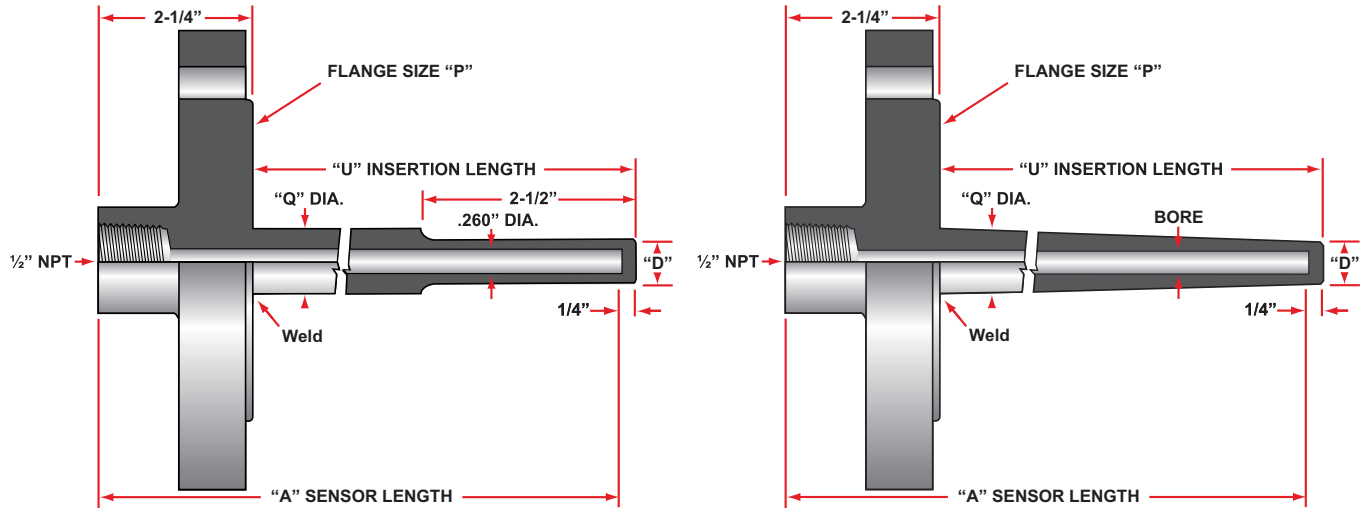
N = None  
1 = Brass Well Cap and Chain  
4 = 304SS Well Cap and Chain  
6 = 316SS Well Cap and Chain  
Z = Other (Consult Factory)

#### 3. Well Material

1 = Brass  
2 = Carbon Steel  
4 = A.I.S.I. - 304SS  
6 = A.I.S.I. - 316SS  
7 = Monel

## Flanged Thermowells for 1/4" and 3/8" Sensors

1", 1-1/2", and 2" flanges in all facings and pressure ratings are standard. Other sizes are available on request.



### 1. Construction

S = General Purpose  
H = Heavy Duty

### 2. Well Bore Dia.

260 = For 1/4" Dia. Sensors  
385 = For 3/8" Dia. Sensors

### 3. Flange Size

A = 1" B = 1-1/2" C = 2"

### 4. Sensor Length "A" (See Chart)

06 = 6" 12 = 12" 18 = 18"  
09 = 9" 15 = 15" 24 = 24"

### 5. Flanges Ratings

	150lbs	300lbs	600lbs	900lbs	1500 lbs
Raised Face =	1A	3A	6A	9A	5A
Flat Face =	1B	3B	6B	9B	5B
Ring Face =	1C	3C	6C	9C	5C

### 6. Special Options

N = None  
1 = Brass Well Cap and Chain  
4 = 304SS Well Cap and Chain  
6 = 316SS Well Cap and Chain  
Z = Other (Consult Factory)

### 7. Well Material

1 = Brass  
2 = Carbon Steel  
4 = A.I.S.I. - 304SS  
6 = A.I.S.I. - 316SS  
7 = Monel

HEAVY DUTY CODE	"P"	DIMENSIONS		
		BORE	"D"	"Q"
WFS-260A	1"	.260"	.750"	.750"
WFS-260B	1-1/2"	.260"	.750"	.750"
WFS-260C	2"	.260"	.750"	.750"
WFH-385A	1"	.385"	.875"	.875"
WFH-385B	1-1/2"	.385"	.875"	.875"
WFH-385C	2"	.385"	.875"	.875"

SENSOR CODE	SENSOR LENGTH "A"	INSERTION "U"
06	6"	4"
09	9"	7"
12	12"	10"
15	15"	13"
18	18"	16"
24	24"	22"

Pressure - Temperature Rating (lbs/sq. in)

MATERIAL	TEMPERATURE						
	70	200	400	600	800	1000	1200
Brass	5000	4200	1000	--	--	--	--
Carbon Steel	5200	5000	4800	4600	3500	1500	--
A.I.S.I. - 304	7000	6200	5400	5400	5200	4500	1650
A.I.S.I. - 316	7000	7000	6200	6100	6100	5100	2500
Monel	6500	6000	5400	5200	5200	1500	--