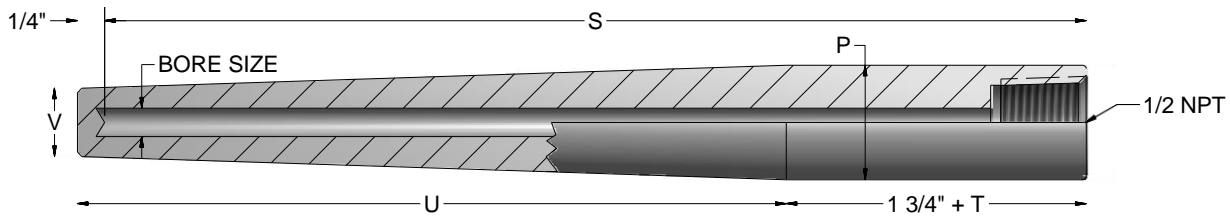


# THERMOWELLS

## Weld-In Thermowells

Weld-In Thermowells are available in a variety of materials, process connection sizes, lengths and optional lagging extensions. Thermowell specifications should be based on process conditions which include strength, temperature, pressure and corrosion-resistance requirements. Weld-In thermowells are welded directly into the process apparatus. They are designed with a standard 0.260" or 0.385" bore diameter to accommodate sensing elements with a 0.252" or 0.377" maximum diameter, respectively. The tapered design is suited for heavy-duty applications where greater rigidity is required due to process conditions. These wells are available as separate components or as part of complete sensor assemblies.



**Thermowell Dimensions**

| "P" PIPE SIZE |        | "V" (0.260") | "V" (0.385") |
|---------------|--------|--------------|--------------|
| NOM.          | DIA.   |              |              |
| 3/4"          | 1.050" | 5/8" Dia.    | 49/64" Dia.  |
| 1"            | 1.315" | 49/64" Dia.  | 49/64" Dia.  |
| 1 1/4"        | 1.660" | 1" Dia.      | 1" Dia.      |
| 1 1/2"        | 1.900" | 1 1/8" Dia.  | 1 1/8" Dia.  |

("U" length for non-lagging wells) = "S" - 1 1/2"

("U" length for lagging wells) = "S" - 1 1/2" - "T"

(To solve for "T"), "T" = "S" - "U" - 1 1/2" (When "U" and "S" are specified)

## ORDER CODES

**Example Order Number:**

1-0 1-1 1-2 1-3 1-4 1-5 1-6  
**WI 4 D 09 08 T2 C8S**

### 1-0 Well Type

| CODE | DESCRIPTION |
|------|-------------|
| WI   | Weld-In     |

### 1-1 Bore Size

| CODE | DESCRIPTION      |
|------|------------------|
| 4    | 0.260" Dia. bore |
| 6    | 0.385" Dia. bore |

### 1-2 Pipe Size "P"

| CODE | DESCRIPTION |
|------|-------------|
| D    | 3/4" NPS    |
| E    | 1" NPS      |
| F    | 1 1/4" NPS  |
| G    | 1 1/2" NPS  |

### 1-6 Options

| CODE | DESCRIPTION                                      |
|------|--|
| C8   | 316 stainless steel well cap and chain           |
| C22  | Brass well cap and chain                         |
| S    | Well stamped with customer-specified part number |

### 1-5 "T" Lag Dimension

| CODE | DESCRIPTION                       |
|------|-----------------------------------|
|      | Leave blank if no lag is required |
| T_   | Specify "T" dimension in inches   |

### 1-4 Material

| CODE | DESCRIPTION   |
|------|---|
| XX   | Specify two digit material code as stated in the Thermowell Material Table located earlier in section |

### 1-3 "S" Length

| CODE | DESCRIPTION  |
|------|--|
| XX   | Specify length in inches using two digits plus fractional length |