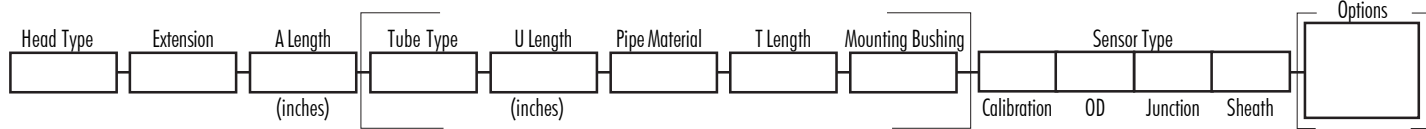


# Threaded Pipe Well Assemblies



**To order:** To specify a complete assembly, indicate the code letter or value for each requirement. To order a pipe well only, fill in only the boxes in brackets. Add a nipple and union to a pipe well by including the extension code and "A" length in addition to the well codes.



## HEAD TYPE

- |                            |                                     |
|----------------------------|-------------------------------------|
| 0 No Head                  | FTA Flip Top Aluminum               |
| CA Cast Aluminum           | FTP Flip Top Poly (white)           |
| CI Cast Iron               | EPA Explosion Proof Aluminum        |
| CSS Cast Stainless Steel   | EPS Explosion Proof Stainless Steel |
| LCA Large Cast Aluminum    | EHA Explosion Proof Aluminum        |
| PP Polypropylene (Black)   | EHI Explosion Proof Iron            |
| PPS Polypropylene Sanitary |                                     |

Add X to the end of the order code of metallic heads, (i.e. EHAX), to add a corrosion resistant epoxy coating to meet NEMA 4X rating. For detailed description and ordering of heads see pages A-5 and A-6.

## EXTENSION

- |                                  |
|----------------------------------|
| 0 None                           |
| NU Nipple/Union Galvanized       |
| NUS Nipple/Union Stainless Steel |

See page A-7 for additional information.

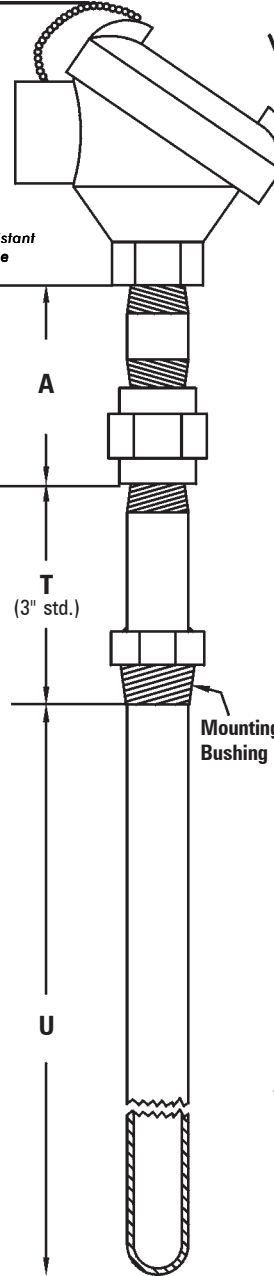
## PIPE WELL\*

Type	Pipe Size	OD	ID				Std. Mounting Bushing*
			SCH40	SCH80	SCH 160	XXH	
SPW	1/2" NPT	.840	.622	.546	.466	.252	3/4, 1, 1-1/4, 1-1/2
SPWO	3/4" NPT	1.050	.824	.742	.614	.434	1, 1-1/4, 1-1/2, 2
SPW1	1" NPT	1.315	1.049	.957	.815	.599	1-1/4, 1-1/2, 2, 2-1/2
SPW2	1 1/4 NPT	1.660	1.380	1.278	1.160	.896	1-1/2, 2, 2-1/2

\* Note: Bushing will be 304SS unless otherwise noted. Schedule 40 is standard. See options for other schedules.

## Well Materials – For other materials, see page B-6.

- |                |                     |                |
|----------------|---------------------|----------------|
| A Alloy 600    | I Alloy 800         | R 316SS        |
| AA Alloy 20    | LP Low Carbon 304SS | S Carbon Steel |
| B Hastelloy® B | LR Low Carbon 316SS | V Alloy 825    |
| C Hastelloy® C | M Monel® 400        | W Alloy 601    |
| D 321SS        | N Nickel            |                |
| F 347SS        | P 304SS             |                |
| H 446SS        | Q 310SS             |                |



## SENSOR TYPE

### Sensor Calibration

- |    |                           |
|----|---------------------------|
| J  | Iron Constantan®          |
| K  | Chromel® Alumel®          |
| T  | Copper Constantan®        |
| E  | Chromel® Constantan®      |
| N  | Nicrosil® Nisil®          |
| PO | Low Temp RTD to 500° F    |
| PH | High Temp RTD to 900° F   |
| PM | Heavy Duty RTD to 1100° F |

Standard RTD is a three-wire 100 ohm Platinum / .00385 Alpha. For special limits on thermocouples, repeat calibration code, i.e. JJ. For Smart Stuff sensors use S prefix in front of calibration code.

### Sensor OD

- |     |       |
|-----|-------|
| 316 | 3/16" |
| 14  | 1/4"  |
| 516 | 5/16" |
| 38  | 3/8"  |

### Sensor Junction

- |    |                 |
|----|-----------------|
| G  | Grounded        |
| U  | Ungrounded      |
| E  | Exposed         |
| DG | Dual Grounded   |
| DU | Dual Ungrounded |
| DE | Dual Exposed    |
| S  | Single RTD      |
| D  | Dual RTD        |

### Sensor Sheath Materials

- |   |           |
|---|-----------|
| P | 304SS     |
| R | 316SS     |
| Q | 310SS     |
| A | Alloy 600 |
- Standard Sheath Material is 316SS.

## OPTIONS

### Sensor Options

- |    |   |
|----|---|
| S  | Smart Stuff                               |
| GA | Grade A RTD                               |
| TW | Two Wire RTD                              |
| FW | Four Wire RTD                             |
| HV | High Vibration RTD (PM only)              |
| CR | Cryogenic RTD (PM only)                   |
| CT | Compensated Terminals (EHA/EHI head only) |

### Thermowell Options

- |    |                                   |     |                    |
|----|-----------------------------------|-----|--------------------|
| AO | Alumina Oxide Coating             | ST  | Stellite® Coating  |
| FP | Full Penetration Weld             | TF  | Teflon® Coating    |
| HT | Hydrostatic Testing to 10,000 psi | SH  | Schedule 80        |
| NC | NACE Certification for Well       | SX  | Schedule 160       |
| OC | Oxygen Cleaned                    | SXX | Double Extra Heavy |

### Transmitter/Indicator Options

- |     |                           |
|-----|---------------------------|
| LCR | Fixed Range Type, RTD, FM |
| LCS | Programmable, Non FM      |
| PT  | Programmable FM           |
| HC  | Hart® Compatible          |
- Provide Range and Temp F/C  
See pages A-33 – A36 for additional transmitter information.
- |    |  |
|----|--|
| TI | Temperature Indicator (use with transmitter) |
|----|--|