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.

<table>
<thead>
<tr>
<th>Head Type</th>
<th>Extension</th>
<th>A Length</th>
<th>Pipe Type</th>
<th>U Length</th>
<th>Pipe Material</th>
<th>Sensor Type</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(inches)</td>
<td></td>
<td>(inches)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HEAD TYPE**
- 0: No Head
- CA: Cast Aluminum
- CI: Cast Iron
- CSS: Cast Stainless Steel
- PPS: Polypropylene Sanitary
- FTA: Flip Top Aluminum

**EXTENSION**
- 0: None
- NU: Nipple/Union Galvanized
- NUS: Nipple/Union Stainless Steel

See page A-7 for additional information.

**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 900° F

Standard RTD is a three-wire 100 ohm Platinum / 0.00385 Alpha. For higher temperature ranges - consult factory. For special limits on thermocouples, repeat calibration code, i.e. JJ.

**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.

* Epoxy Seal - Max. Temp. 300°F

**Sensor Options**
- GA: Class A
- FW: Four Wire RTD
- HV: High Vibration RTD (PM only)
- CR: Cryogenic RTD (PM only)
- CT: Compensated Terminals (EHA/EHI head only)

**Transmitter/Indicator Options**
- LCP: Programmable, RTD, FM
- PT: Programmable FM
- HC: Hart® Compatible

Provide Range and Temp F/C

See pages A-33 – A-34 for additional transmitter information.

**Pipe Well*”

<table>
<thead>
<tr>
<th>Type</th>
<th>Pipe OD</th>
<th>Size</th>
<th>ID</th>
<th>SCH40</th>
<th>SCH80</th>
<th>SCH 160</th>
<th>XXH</th>
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</thead>
<tbody>
<tr>
<td>PW</td>
<td>1/2&quot; NPT</td>
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<td>.622</td>
<td>.546</td>
<td>.466</td>
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<tr>
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<tr>
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<td>1&quot; NPT</td>
<td>1.315</td>
<td>1.049</td>
<td>.957</td>
<td>.815</td>
<td>.599</td>
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<tr>
<td>PW2</td>
<td>1 1/4&quot; NPT</td>
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<td>1.380</td>
<td>1.278</td>
<td>1.160</td>
<td>.896</td>
<td></td>
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</tbody>
</table>

* Note: Schedule 40 is standard. See options for other schedules.

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

- A: Alloy 600
- AA: Alloy 20
- B: Hastelloy® B
- C: Hastelloy® C
- D: 321SS
- F: 347SS
- H: 446SS
- I: Alloy 800
- LP: Low Carbon 304SS
- LR: Low Carbon 316SS
- M: Monel® 400
- N: Nickel
- P: 304SS
- Q: 310SS
- R: 316SS
- V: Alloy 825
- W: Alloy 601
- GG: Haynes HR160

See pages A-33 – A-34 for transmitter and other options.

**OPTIONS**

**Thermowell Options**
- HTE: Hydrostatic Pressure Test
- HTI: Hydrostatic Pressure Test Internal
- NC: NACE Certification for Well

**Optoins**
- ST: Stellite® Coating
- TC: Tungsten Carbide
- SH: Schedule 80
- SX: Schedule 160

**Transmitter/Indicator Options**
- BPI: Battery Powered Indicator