Reduced-Tip Van Stone Thermowells are available in a variety of materials, flange sizes, and pressure ratings. They are also offered in various lengths and with optional lagging extensions. Thermowell specifications should be determined based on process conditions which include strength, temperature, pressure and corrosion-resistance requirements. The Reduced Tip Van Stone thermowell is supplied with a 0.260” bore diameter to accommodate sensing elements with a 0.252” maximum diameter. The stepped construction is normally used in standard-duty applications and increases the speed of response while maintaining mechanical strength. Van Stone thermowells are connected using a separate and reusable lapped backing flange, eliminating the need for expensive flange materials. These wells are available as separate components or as part of complete sensor assemblies.

**ORDER CODES**

**Example Order Number:**

```
RF 4 15 V 1 09 08 T2 C8S
```

1-0  **Well Type**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF</td>
<td>Reduced-Tip Van Stone</td>
</tr>
</tbody>
</table>

1-1  **Bore Size**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>0.260” Dia. bore</td>
</tr>
</tbody>
</table>

1-2  **Flange Size**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1” (DN25)</td>
</tr>
<tr>
<td>15</td>
<td>1 1/2” (DN40)</td>
</tr>
</tbody>
</table>

1-3  **Flange Type**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>Van Stone (lap joint)</td>
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</tbody>
</table>

1-4  **Pressure Rating**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No backing flange</td>
</tr>
<tr>
<td>1</td>
<td>150 Class</td>
</tr>
<tr>
<td>3</td>
<td>300 Class</td>
</tr>
<tr>
<td>6</td>
<td>600 Class</td>
</tr>
<tr>
<td>9</td>
<td>900 Class</td>
</tr>
<tr>
<td>15</td>
<td>1500 Class</td>
</tr>
<tr>
<td></td>
<td>Carbon steel backing flange standard</td>
</tr>
</tbody>
</table>

1-5  **“S” Length**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX</td>
<td>Specify length in inches using two digits plus fractional length</td>
</tr>
</tbody>
</table>

1-6  **Material**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX</td>
<td>Specify two digit material code as stated in the Thermowell Material Table located earlier in section</td>
</tr>
</tbody>
</table>

1-7  **Optional “T” Lag Dimension**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Leave blank if no lag is required</td>
</tr>
<tr>
<td>T_</td>
<td>Specify “T” dimension in inches</td>
</tr>
</tbody>
</table>

1-8  **Options**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8</td>
<td>316 stainless steel cap and chain</td>
</tr>
<tr>
<td>C22</td>
<td>Brass well cap and chain</td>
</tr>
<tr>
<td>S</td>
<td>Well stamped with customer-specified part number</td>
</tr>
</tbody>
</table>

**Thermowell Dimensions**

<table>
<thead>
<tr>
<th>&quot;P&quot; PIPE SIZE</th>
<th>&quot;P&quot; DIA.</th>
<th>&quot;R&quot; DIA.</th>
<th>&quot;Q&quot; DIA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1”</td>
<td>1.315”</td>
<td>2”</td>
<td>3/4”</td>
</tr>
<tr>
<td>1 1/2”</td>
<td>1.900”</td>
<td>2 7/8”</td>
<td>7/8”</td>
</tr>
</tbody>
</table>