Cast Iron Strainers
CI-250, F-250

<table>
<thead>
<tr>
<th>Type</th>
<th>CI-250</th>
<th>F-250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sizes</td>
<td>2&quot;</td>
<td>2-1/2&quot; &amp; 3&quot;</td>
</tr>
<tr>
<td>Connections</td>
<td>ANSI 250</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>Cast Iron</td>
<td></td>
</tr>
<tr>
<td>Max Saturated Steam Pressure</td>
<td>280 psig</td>
<td>250 psig</td>
</tr>
<tr>
<td>Standard Screen</td>
<td>1/32&quot;</td>
<td>20 Mesh</td>
</tr>
<tr>
<td>Optional</td>
<td>100 mesh</td>
<td>60/100</td>
</tr>
</tbody>
</table>

Limiting Operating Conditions (non-shock)

Pressure Shell Design Conditions

Max. allowable pressure
CI-250: 500 psig/-20-150°F 34 barg/-29-66°C
5"-12" F-250: 250 psig/-20-450°F 17 barg/-29-208°C
14"-18" F-250: 200 psig/-20-406°F 14 barg/-29-208°C

Max. allowable temperature
CI-250: 450°F/0-250 psig 232°C/0-17 barg
5"-12" F-250: 450°F/0-250 psig 208°C/0-17 barg
14"-18" F-250: 406°F/0-200 psig 208°C/0-14 barg

Cv Values

<table>
<thead>
<tr>
<th>Size</th>
<th>Cv</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>70</td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>110</td>
</tr>
<tr>
<td>3&quot;</td>
<td>165</td>
</tr>
<tr>
<td>4&quot;</td>
<td>280</td>
</tr>
<tr>
<td>5&quot;</td>
<td>400</td>
</tr>
<tr>
<td>6&quot;</td>
<td>650</td>
</tr>
<tr>
<td>8&quot;</td>
<td>1100</td>
</tr>
<tr>
<td>10&quot;</td>
<td>1850</td>
</tr>
<tr>
<td>12&quot;</td>
<td>2400</td>
</tr>
<tr>
<td>14&quot;</td>
<td>3500</td>
</tr>
<tr>
<td>16&quot;</td>
<td>5400</td>
</tr>
<tr>
<td>18&quot;</td>
<td>Consult factory</td>
</tr>
</tbody>
</table>

For water:
Pressure Drop = (GPM)^2 / (Cv)^2
Consult factory for other liquids.
See TI-7-429-US for pressure drops on steam, air and other gases.

Construction Materials

<table>
<thead>
<tr>
<th>No.</th>
<th>Part</th>
<th>Material</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Cast Iron ASTM A 126 CL B</td>
</tr>
<tr>
<td>2</td>
<td>Cap</td>
<td>Cast Iron ASTM A 126 CL B</td>
</tr>
<tr>
<td>3</td>
<td>Cap Gasket</td>
<td>Graphite</td>
</tr>
<tr>
<td>4</td>
<td>Strainer Screen</td>
<td>Stainless Steel Type 304</td>
</tr>
<tr>
<td>5</td>
<td>Cap Screws</td>
<td>Steel</td>
</tr>
</tbody>
</table>

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
In the interests of development and improvement of the product, we reserve the right to change the specification.
Cast Iron Strainers
CI-250, F-250

Note: Please provide date code when placing order for spare parts. Contact Technical Support for assistance if needed.

**Installation**
The strainer should be installed with the flow direction as indicated on the body, in a vertical down or horizontal pipeline.

The strainer must be accessible for periodic removal of accumulated debris, by either blowing down or removal and cleaning of the screen.

<table>
<thead>
<tr>
<th>Size</th>
<th>A (inches)</th>
<th>B (inches)</th>
<th>C (NPT)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI-250 2&quot;</td>
<td>11.6</td>
<td>6.34</td>
<td>1-1/4&quot;</td>
<td>30 lb</td>
</tr>
<tr>
<td>295</td>
<td>161</td>
<td></td>
<td></td>
<td>13.6 kg</td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>13.0</td>
<td>7.13</td>
<td>1-1/4&quot;</td>
<td>44 lb</td>
</tr>
<tr>
<td>330</td>
<td>181</td>
<td></td>
<td></td>
<td>20 kg</td>
</tr>
<tr>
<td>3&quot;</td>
<td>14.0</td>
<td>8.0</td>
<td>1-1/4&quot;</td>
<td>60 lb</td>
</tr>
<tr>
<td>356</td>
<td>203</td>
<td></td>
<td></td>
<td>27 kg</td>
</tr>
<tr>
<td>4&quot;</td>
<td>17.06</td>
<td>11.25</td>
<td>1-1/4&quot;</td>
<td>117 lb</td>
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<tr>
<td>433</td>
<td>286</td>
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<td></td>
<td>53 kg</td>
</tr>
<tr>
<td>F-250/CI-250 to 8&quot; 5&quot;</td>
<td>18.3</td>
<td>12.9</td>
<td>2&quot;</td>
<td>146 lb</td>
</tr>
<tr>
<td>464</td>
<td>329</td>
<td></td>
<td></td>
<td>66 kg</td>
</tr>
<tr>
<td>6&quot;</td>
<td>20.2</td>
<td>14.5</td>
<td>2&quot;</td>
<td>194 lb</td>
</tr>
<tr>
<td>512</td>
<td>368</td>
<td></td>
<td></td>
<td>88 kg</td>
</tr>
<tr>
<td>8&quot;</td>
<td>23.4</td>
<td>16.4</td>
<td>2&quot;</td>
<td>316 lb</td>
</tr>
<tr>
<td>594</td>
<td>410</td>
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<td></td>
<td>143 kg</td>
</tr>
<tr>
<td>10&quot;</td>
<td>27.4</td>
<td>19.0</td>
<td>2&quot;</td>
<td>475 lb</td>
</tr>
<tr>
<td>696</td>
<td>483</td>
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<td></td>
<td>215 kg</td>
</tr>
<tr>
<td>12&quot;</td>
<td>32.0</td>
<td>22.0</td>
<td>2&quot;</td>
<td>750 lb</td>
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<tr>
<td>813</td>
<td>559</td>
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<td></td>
<td>341 kg</td>
</tr>
<tr>
<td>14&quot;</td>
<td>38.8</td>
<td>28.8</td>
<td>2&quot;</td>
<td>908 lb</td>
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<tr>
<td>984</td>
<td>730</td>
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<td></td>
<td>412 kg</td>
</tr>
<tr>
<td>16&quot;</td>
<td>44.1</td>
<td>29.6</td>
<td>2&quot;</td>
<td>1135 lb</td>
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<tr>
<td>1128</td>
<td>752</td>
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<td></td>
<td>515 kg</td>
</tr>
<tr>
<td>18&quot;</td>
<td>47.8</td>
<td>34.7</td>
<td>2-1/2&quot;</td>
<td>2400 lb</td>
</tr>
<tr>
<td>1213</td>
<td>881</td>
<td></td>
<td></td>
<td>1090 kg</td>
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