BOLTED-LID SIMPLEX BASKET STRAINERS

DUCTILE IRON CONSTRUCTION | PARTS & ACCESSORIES

PROTECTION FOR PUMPS & DOWNSTREAM SYSTEMS

FEATURES & BENEFITS

- Strainer bodies available in ductile iron
- Lid vent, pressure differential gauge ports, and bottom drain are all standard
- Stainless steel baskets with 3/16” perforation holes standard (no mesh)
- Basket lining available in 10, 20, 40, 60, 80 or 100 mesh
- Baskets provide maximum hoop strength to prevent distortion or basket damage
- Ductile iron can be used for steel requirements in chemical, petrochemical and pharmaceutical industries

OPTIONS

- Basket mesh from 10 to 100
- Magnetic inserts
- Differential pressure indicators

When the basket requires cleaning, simply vent system pressure, remove the lid and withdraw the basket from the top. Foreign matter contained in the basket will not drop back into the system.

The inclined position of the strainer basket adjacent to the porting allows for smooth flow patterns.

SIZES

2”, 3”, 4”

MATERIALS

Ductile Iron

PORTS

Raised Face Flanges (Class 150 or Class 300)
**PERFORMANCE**

**MODELS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity Suction Rating</th>
<th>Rated System Pressure</th>
<th>Temperature Range</th>
<th>Approx. Shipping Weight</th>
<th>Port Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GPM</td>
<td>PSI</td>
<td>°F</td>
<td>Pounds</td>
<td>Inches</td>
</tr>
<tr>
<td>F-1020-RDUC</td>
<td>100</td>
<td>250</td>
<td>0 to +350</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>F-1020-HDUC</td>
<td>100</td>
<td>640</td>
<td>0 to +350</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>F-1030-RDUC</td>
<td>200</td>
<td>250</td>
<td>0 to +350</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>F-1030-HDUC</td>
<td>200</td>
<td>640</td>
<td>0 to +350</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>F-1040-RDUC</td>
<td>400</td>
<td>250</td>
<td>0 to +350</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>F-1040-HDUC</td>
<td>400</td>
<td>640</td>
<td>0 to +350</td>
<td>10</td>
<td>4</td>
</tr>
</tbody>
</table>

In-line valve sold separately.

**VIKING QUALITY CONSTRUCTION**

- High-quality, easy-to-clean simplex strainers
- Designed for chemical, petrochemical and most general fluid-flow applications
- Raised face flanges available for 2, 3 & 4 inch piping
- SS basket and screen are available in no mesh, 10, 20, 40, 60, 80 or 100 mesh
- Nominal capacities range from 100 to 400 GPM
- Pressures up to 640 PSI
- Strainer bodies and lids are available in ductile iron

**LOW PRESSURE DROP**

Viking Bolted-Lid Strainers are designed for minimal pressure drop through the unit. Pressure drop is minimized by the inclined position of the strainer basket adjacent to the porting. This provides smooth flow patterns not found in conventional basket type strainers.

**EASY TO CLEAN**

No special tools are needed for lid removal. Once bolts are removed with a standard wrench, lid is lifted to open the cover. The basket is removed from the top of the strainer to eliminate foreign matter from dropping back into the line when the strainer is cleaned. These strainers are equipped with a bottom drain plug for complete draining.

**MESH SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MESH</th>
<th>NO MESH (Perforated Basket Only)</th>
<th>10</th>
<th>20</th>
<th>40</th>
<th>60</th>
<th>80</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPENING (INCHES)</td>
<td>.188 (Sizes 2” - 4”)</td>
<td>0.075</td>
<td>0.034</td>
<td>0.015</td>
<td>0.009</td>
<td>0.007</td>
<td>0.0055</td>
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<tr>
<td>OPENING (MICRONS)</td>
<td>4775 (Sizes 2” - 4”)</td>
<td>1,910</td>
<td>860</td>
<td>380</td>
<td>230</td>
<td>190</td>
<td>140</td>
</tr>
</tbody>
</table>

Strainer shown with optional pressure differential indicator

Baskets shown with optional magnetic inserts to trap fine ferrous particles

**CONTACT YOUR STOCKING DISTRIBUTOR TODAY**

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