VIKING LID-EASE®
SIMPLEX BASKET STRAINERS
CAST IRON OR STAINLESS STEEL CONSTRUCTION

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.

FEATURES & BENEFITS

• Quarter-turn, easy opening breech-lock lid simplifies routine cleaning
• Inclined basket design provides low pressure drop for high system efficiency
• Top basket removal eliminates the need to drain the strainer and minimizes product loss
• Optional magnetic inserts are available for trapping ferrous particles
• Optional differential pressure indicators optimize cleaning intervals

OPTIONS

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

PROTECTION FOR PUMPS & DOWNSTREAM SYSTEMS

SIZES

¾", 1", 1½", 2", 3", 4", 6", 8"

MATERIALS

Cast Iron, Stainless Steel

PORTS

Flanged or Tapped (NPT)
**PERFORMANCE**

<table>
<thead>
<tr>
<th>MODELS</th>
<th>SPECIFICATIONS</th>
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</thead>
<tbody>
<tr>
<td>Size</td>
<td>Nominal Capacity</td>
</tr>
<tr>
<td></td>
<td>GPM</td>
</tr>
<tr>
<td>F-1007</td>
<td>20</td>
</tr>
<tr>
<td>F-1010</td>
<td>30</td>
</tr>
<tr>
<td>F-1015</td>
<td>50</td>
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<tr>
<td>F-1030</td>
<td>200</td>
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<td>F-1040</td>
<td>400</td>
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<tr>
<td>F-1060</td>
<td>800</td>
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<tr>
<td>F-1080</td>
<td>1,500</td>
</tr>
</tbody>
</table>

**CAST IRON**

- F-1007: 20 GPM, 5 m³/h, 200 PSI, 7 Lbs, 14 Kg, Type T, 3/4 inches
- F-1010: 30 GPM, 7 m³/h, 200 PSI, 7 Lbs, 14 Kg, Type T, 1 inch
- F-1015: 50 GPM, 11 m³/h, 200 PSI, 10 Lbs, 14 Kg, Type T, 1-1/2 inches
- F-1020: 100 GPM, 23 m³/h, 200 PSI, 16 Lbs, 14 Kg, Type F, T, 2 inches
- F-1030: 200 GPM, 45 m³/h, 125 PSI, 40 Lbs, 18 Kg, Type F, T, 3 inches
- F-1040: 400 GPM, 91 m³/h, 125 PSI, 73 Lbs, 33 Kg, Type F, 4 inches
- F-1060: 800 GPM, 182 m³/h, 125 PSI, 120 Lbs, 54 Kg, Type F, 6 inches
- F-1080: 1,500 GPM, 340 m³/h, 125 PSI, 300 Lbs, 136 Kg, Type F, 8 inches

**STAINLESS STEEL**

- F-1007: 20 GPM, 5 m³/h, 200 PSI, 7 Lbs, 14 Kg, Type T, 3/4 inches
- F-1010: 30 GPM, 7 m³/h, 200 PSI, 7 Lbs, 14 Kg, Type T, 1 inch
- F-1015: 50 GPM, 11 m³/h, 200 PSI, 10 Lbs, 14 Kg, Type T, 1-1/2 inches
- F-1020: 100 GPM, 23 m³/h, 200 PSI, 16 Lbs, 14 Kg, Type F, T, 2 inches
- F-1030: 200 GPM, 45 m³/h, 125 PSI, 40 Lbs, 18 Kg, Type F, 3 inches
- F-1040: 400 GPM, 91 m³/h, 125 PSI, 77 Lbs, 35 Kg, Type F, 4 inches
- F-1060: 800 GPM, 182 m³/h, 125 PSI, 128 Lbs, 58 Kg, Type F, 6 inches
- F-1080: 1,500 GPM, 340 m³/h, 125 PSI, 300 Lbs, 136 Kg, Type F, 8 inches

* Port Type Options: F = Flanged, T = Tapped (NPT)

**VIKING QUALITY CONSTRUCTION**

- High-quality, easy-to-clean simplex strainers
- Designed for chemical, petrochemical and most general fluid-flow applications
- Tapped or flanged porting are available for ¾, 1, 1½, 2, 3, 4, 6 and 8 inch piping
- SS basket and screen are available in no mesh, 10, 20, 40, 60, 80 or 100 mesh
- Nominal capacities range from 20 to 1,500 GPM
- Pressures up to 200 PSI
- Strainer bodies & lids are available in cast iron or stainless steel

**LOW PRESSURE DROP**

Viking Lid-Ease 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. A simple lid rotation disengages the breech-lock lid to permit easy removal of the basket. 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. The strainers are equipped with a drain plug for complete draining, if required.

The light-weight and small overall dimensions make it possible to install Viking Lid-Ease Line Strainers in systems that cannot accommodate larger strainers of equal porting size.

**MESH SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MESH (Perforated Basket Only)</th>
<th>OPENING (INCHES)</th>
<th>OPENING (MICRONS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>.165 (Sizes ¾” - 1¼”)</td>
<td>3962 (Sizes ¾” - 1¼”)</td>
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<tr>
<td></td>
<td>.188 (Sizes 2” - 8”)</td>
<td>4775 (Sizes 2” - 8”)</td>
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<tr>
<td></td>
<td>.075</td>
<td>.034</td>
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<tr>
<td></td>
<td>.034</td>
<td>.015</td>
</tr>
</tbody>
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* Baskets shown with optional magnetic inserts to trap fine ferrous particles

**MODELS**

- **CAST IRON**
  - F-1007: 20 GPM, 5 m³/h, 200 PSI, 7 Lbs, 14 Kg, Type T, 3/4 inches
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  - F-1015: 50 GPM, 11 m³/h, 200 PSI, 10 Lbs, 14 Kg, Type T, 1-1/2 inches
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**CONTACT**

**VIKING PUMP, INC.**
A Unit of IDEX Corporation
406 State Street
Cedar Falls, Iowa 50613 U.S.A.
Telephone: (319) 266-1741
vikinpump.com

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