GENERAL SPECIFICATIONS:
- Maximum Flow: 200 GPM (No minimum flow requirement).
- Maximum Pressure: 125 PSI (Higher pressure models available).
- Not Designed for Suction / Vacuum.
- Screen Surface Area 200 Sq. In.
- Dry Weight: 30 lbs.
- Wet Weight: 60 lbs / Volume: 3.3 gal.
- Maximum Temperature: 135° F.
  (Consult Factory for higher temperature applications).

MATERIALS:
- Housing: 304 Stainless standard (316 Stainless optional).
- Gasket: EPDM standard (other compounds available).
- Screen Mesh: 316 Stainless (1/4" perforated sheet backup).

SCREEN OPTIONS:
- Multiple screen mesh and perforated sheet sizes available.
  (See product catalog for samples).

NOTES:
1- Flush Port is available in larger sizes.
2- Dimensions are for informational purposes only and are subject to change.
3- 38" Overall height is required for filter element removal.
Thompson Filter - 3" Exploded View

**Complete Filter**
MLI-03-XXX

- **Lid Clamp**
  - BC-03

- **Top Head**
  - TH-03
  - TH-03-2

- **O-Ring Gasket**
  - OR-03
  - OR-03-2

- **Disc Gasket**
  - DG-03

- **Filter Gasket**
  - FG-03

- **Gasket Kit**
  - GK-03
  - GK-03-2

- **Replacement Screen**
  - 3S-XXX

**Gasket Kit** based on serial No. of unit. Please have serial No. available when ordering.

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**XXX denim mesh options**

Mesh Options:
- 16, 20, 25, 30, 40, 50, 60, 80, 100, 125, 150, 200

Heavy Duty Mesh:
- 24x10, 30x15, 40x20, 50x25 (Dutch weave screens, heavier wire gauge, lower open area %)

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## Mesh / Micron Data Sheet

### Standard Mesh Options

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Opening (inches)</th>
<th>Microns</th>
<th>Wire Diameter (inches)</th>
<th>Open Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>0.0395</td>
<td>1003</td>
<td>0.023</td>
<td>39.90%</td>
</tr>
<tr>
<td>20</td>
<td>0.0340</td>
<td>864</td>
<td>0.016</td>
<td>46.20%</td>
</tr>
<tr>
<td>30</td>
<td>0.0203</td>
<td>516</td>
<td>0.013</td>
<td>37.10%</td>
</tr>
<tr>
<td>40</td>
<td>0.0150</td>
<td>381</td>
<td>0.01</td>
<td>36.00%</td>
</tr>
<tr>
<td>50</td>
<td>0.0110</td>
<td>279</td>
<td>0.009</td>
<td>30.30%</td>
</tr>
<tr>
<td>60</td>
<td>0.0092</td>
<td>234</td>
<td>0.0075</td>
<td>30.50%</td>
</tr>
<tr>
<td>80</td>
<td>0.0070</td>
<td>178</td>
<td>0.0055</td>
<td>31.40%</td>
</tr>
<tr>
<td>100</td>
<td>0.0055</td>
<td>140</td>
<td>0.0045</td>
<td>30.30%</td>
</tr>
<tr>
<td>120*</td>
<td>0.0046</td>
<td>117</td>
<td>0.0037</td>
<td>30.70%</td>
</tr>
<tr>
<td>150*</td>
<td>0.0041</td>
<td>104</td>
<td>0.0026</td>
<td>37.40%</td>
</tr>
<tr>
<td>200*</td>
<td>0.0029</td>
<td>74</td>
<td>0.0021</td>
<td>33.60%</td>
</tr>
</tbody>
</table>

### Heavy-Duty Mesh Options

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Opening (inches)</th>
<th>Microns</th>
<th>Wire Diameter (inches)</th>
<th>Open Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 x 110 (≈120 Mesh)</td>
<td>0.0045</td>
<td>112 - 117</td>
<td>.014 / .010</td>
<td>N/A</td>
</tr>
<tr>
<td>30 x 150 (≈150 Mesh)</td>
<td>0.0039</td>
<td>95 - 100</td>
<td>.009 / .007</td>
<td>N/A</td>
</tr>
<tr>
<td>40 x 200 (≈200 Mesh)</td>
<td>0.0030</td>
<td>72 - 77</td>
<td>.007 / .0055</td>
<td>N/A</td>
</tr>
<tr>
<td>50 x 250</td>
<td>0.0024</td>
<td>55 - 60</td>
<td>.0055 / .0045</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Miller-Leaman recommends the purchase of the heavy-duty mesh options as alternatives to the finer, more fragile standard screen options (120, 150, and 200 mesh). Be advised, however, that the heavy-duty mesh options have less open area percentage and will require more frequent maintenance in some applications.

Mesh/Micron Conversion Formula

Microns = opening in inches / .00003937