**GENERAL SPECIFICATIONS:**
- Maximum Flow: 100 GPM (No minimum flow requirement).
- Maximum Pressure: 125 PSI (Higher pressure models available).
- Not Designed for Suction / Vacuum.
- Screen Surface Area 122 Sq. In.
- Dry Weight: 14 lbs.
- Wet Weight: 30 lbs / Volume: 1.7 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 and locations.
2- Dimensions are for informational purposes only and are subject to change.
3- 24" Overall height required for filter element removal.
Thompson Filter - 2" Exploded View

Complete Filter
MLI-02-XXX

- Lid Clamp
  BC-02

- Top Head
  TH-02
  TH-02-2

- O-Ring Gasket
  OR-02
  OR-02-2

- Disc Gasket
  DG-02

- Filter Gasket
  FG-02

- *Gasket Kit
  GK-02
  GK-02-2

- Serial No. Location

- Replacement Screen
  25-XXX

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

XXX Denotes Mesh Options
Mesh Options – 16, 20, 30, 40, 50, 60, 80, 100, 120, 150, 200
Heavy Duty Mesh – 24x110, 32x150, 48x200, 58x250 (Dutch weave screens, heavier wire gauge, lower open area %)
# 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
\[ \text{Microns} = \text{opening in inches} / 0.00003937 \]