GENERAL SPECIFICATIONS:
- Maximum Pressure: 125 PSI (Higher pressure models available).
- Not Designed for Suction / Vacuum.
- Screen Surface Area: 367 Sq. In.
- Dry Weight: 65 lbs.
- Volume: 11 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).
- Clamp: 301, 302 or 304 Stainless.

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

NOTES:
1- Flush Port is available in larger sizes. (Bottom Flush also available).
2- Dimensions are for informational purposes only and are subject to change.
3- Stainless Steel Internals (Elbow & Riser Pipe) are also available.
4- 42" Overall height is required for filter element removal.

SECTION A-A
- OUTLET, 4" Flange w/ANSI Bolt Hole Pattern
- 1/4" NPT(f) Gauge Ports
- 28-3/4 MAX (See Note 4)

SECTION B-B
- Conical Filter Element (See Specifications)
- Interlocking Safety Head
- PVC Internals Elbow & Riser Pipe (See Note 3)
- Flush Port 1-1/2" NPT (See Note 1)

J. Larsen 11/5/04

MILLER LEAMAN
800 Orange Avenue, Daytona Beach, FL 32114

PRODUCT SPECIFICATION
MLI-4C

DRAWN
CHECKED
ENG APPR.
REVISION
SHEET 1 of 1 MLI REF# ML20398 REV: J
Thompson Filter - 4" Exploded View

Complete Filter
MLI-04C-XXX

Lid Clamp
BC-04

*Top Head
TH-04C

*O-Ring Gasket
OR-04
OR-04-2

Disc Gasket
DG-04

Gaskets also available in BUNA & VITON

Filter Gasket
FG-04

Replacement Screen
4S-XXX

Gasket Kit
GK-04
GK-04-2

Serial No. Location

*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 – 24x10, 30x15, 40x200, 50x250 (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
Microns = opening in inches / .00003937