MODULINE™ Multi-Bag Filter Housing System

This multi-bag filter housing system provides a compact and efficient assembly of two up to eight single bag filter housings. Its space-saving design can be readily expanded with additional housing units and extra banks to provide the highest level of flexibility for process requirements. The footprint is smaller than duplexed multi-bag filter housings. Units come standard with filter bag size 02 stainless steel restrainer baskets.

Features

- Can be equipped with the economical FLOWLINE™ or FLOWLINE II single bag filter housing for coarse particle filtration, the SIDELINE™ single bag filter housing for a greater range of applications or the most advanced TOPLINE™ single bag filter housing.
- System arrangement assures continuous flow rates. Each unit is individually valved and can be taken off-line in sequence for filter bag change-outs without having to take the complete bank of filters off-line.
- Swing bolt cover for quick, easy filter bag change-outs. The TOPLINE single bag filter housing features a domed cover. FLOWLINE and SIDELINE single bag filter housings covers’ feature an integrated ergonomic handle.
- TOPLINE and SIDELINE models are designed in accordance with Section VIII, Division 1 of the ASME Code.

Options

- Easy-action, 1/4-turn ball valves provide precision flow control.
- Swing bolt cover for quick, easy filter bag change-outs.
- TOPLINE and SIDELINE models are designed in accordance with Section VIII, Division 1 of the ASME Code.
- Buna-N® O-rings for the cover are standard. EPDM, Viton®, PTFE encapsulated Viton or silicone rubber seals and gaskets are available.
- Optional gauges, vents and pressurize air port with 1/4" threaded cover taps.

Viton® is a registered trademark of E. I. du Pont de Nemours and company.

Eaton’s MODULINE multi-bag filter housing systems are double or modular multi-bag units designed for applications where the flow rate is too high for a single bag filter housing.

Modular system for continuous flow capability, higher efficiency and lower costs
MODULINE Multi-Bag Filter Housing System

Applications
- Coarse filtration > 500 µm
- Medium filtration > 10 µm
- Fine filtration < 10 µm
- Pre-filtration
- Safety filtration
- High volume
- Batch filtration
- Circuit filtration
- Continuous filtration
- Solvents, paints
- Fats and oils
- Catalyst, activated carbon
- Acids, bases
- Petrochemicals
- Water, waste water
- Chemical industry
- Pharmaceuticals
- Metal cleaning
- Automotive
- Electronics
- Food and beverage
- Paint and lacquer
- Water treatment
- Galvanic industry

Dimensions for MODULINE multi-bag filter housing using TOPLINE single bag filter housings
Details on MODULINE multi-bag filter housing assemblies using SIDELINE and FLOWLINE single bag filter housings available on request.

Technical data MODULINE systems with TOPLINE housings

<table>
<thead>
<tr>
<th>Models</th>
<th>No. of filter bags</th>
<th>Size</th>
<th>Flow rates GPM (l/h)</th>
<th>Housing volume gal (l)</th>
<th>Housing weight lb (kg)</th>
<th>Max. pressure psi (bar)</th>
<th>Max. temp. °F (°C)</th>
<th>I/O connections</th>
<th>Dimensions - in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M-TBF-0202</td>
<td>2</td>
<td>225</td>
<td>16.5 (62.5)</td>
<td>320 (145.1)</td>
<td>150 (10)</td>
<td>400 (160)</td>
<td>3&quot; flange</td>
<td>A 24 B 23 C 7 1/4 D 7-3/4 E 24-3/16 F 48</td>
<td>A 34 B 30 C 14 D 18 E 18</td>
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<tr>
<td>M-TBF-0302</td>
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<td>340</td>
<td>25.7 (104.9)</td>
<td>490 (223.2)</td>
<td>150 (10)</td>
<td>400 (160)</td>
<td>4&quot; flange</td>
<td>A 36 B 35 C 8-1/4 D 24 E 48</td>
<td>A 34 B 30 C 14 D 18 E 18</td>
</tr>
<tr>
<td>M-TBF-0402</td>
<td>4</td>
<td>400</td>
<td>35 (132.5)</td>
<td>630 (285.8)</td>
<td>150 (10)</td>
<td>400 (160)</td>
<td>4&quot; flange</td>
<td>A 48 B 47 C 8-1/4 D 24 E 48</td>
<td>A 34 B 30 C 14 D 18 E 18</td>
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<tr>
<td>M-TBF-0502</td>
<td>5</td>
<td>560</td>
<td>46.2 (175.2)</td>
<td>800 (328.9)</td>
<td>150 (10)</td>
<td>400 (160)</td>
<td>6&quot; flange</td>
<td>A 80 B 71 C 9-5/16 D 25-3/4 E 49-1/16</td>
<td>A 34 B 30 C 14 D 18 E 18</td>
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<td>950 (439.9)</td>
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<td>400 (160)</td>
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<td>A 34 B 30 C 14 D 18 E 18</td>
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<tr>
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<td>790</td>
<td>76.7 (290.3)</td>
<td>1100 (499)</td>
<td>150 (10)</td>
<td>400 (160)</td>
<td>6&quot; flange</td>
<td>A 84 B 83 C 9-5/16 D 25-3/4 E 49-1/16</td>
<td>A 34 B 30 C 14 D 18 E 18</td>
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<tr>
<td>M-TBF-0802</td>
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<td>900</td>
<td>86 (325.6)</td>
<td>1250 (567)</td>
<td>150 (10)</td>
<td>400 (160)</td>
<td>6&quot; flange</td>
<td>A 96 B 95 C 9-5/16 D 25-3/4 E 49-1/16</td>
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</tr>
</tbody>
</table>

1 Maximum theoretical flow based on water viscosity, filter bag specific.