Model F222 & F451 Liquid/Particle Filters protect equipment and instrumentation from harmful contaminants such as dirt, water and oil. Liquids are continuously coalesced and released through the manual drain valves. Replaceable filter element removes particles and droplets as small as 0.01 micron with 93% efficiency. Units have 1/4˝ female NPT inlet and outlet and manual drain valve.

### SPECIFICATIONS

- **Filtration Efficiency:** 93% (removal of 0.01 micron particles).
- **Maximum Pressure:** 150 psig (10 bar).
- **Maximum Temperature:** 130°F (54°C).
- **Max. Flow at 100 psig:** 22 SCFM (F222); 45 SCFM (F451).
- **Inlet and Outlet Ports:** 1/4˝ female NPT.
- **Mounting:** In-line only (F222); 1/4-20 mounting holes (F451).
- **Materials of Construction:** Anodized aluminum head, polycarbonate bowl, cadmium plated steel tie rod, nylon internals, Buna-N seal.
- **Weight:** 0.5 lb (0.2 kg) (F222); 1.1 lb (0.5 kg) (F451).

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**Model Description**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F222</td>
<td>Liquid/particle filter</td>
</tr>
<tr>
<td>F451</td>
<td>Liquid/particle filter</td>
</tr>
<tr>
<td>1201-3</td>
<td>Replacement filters for F451 (pack of 3)</td>
</tr>
</tbody>
</table>

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**Model F195**

**Disposble In-Line Filter**

Encapsulated microfiber filter elements are able to filter particles as small as 0.1 micron. Filters are completely disposable — simply remove the filter from your line and throw it away when it becomes dirty. The transparent nylon housing makes it simple to determine if the filter needs to be changed.

### SPECIFICATIONS

- **Filtration Efficiency:** 99.99% (removal of 0.1 micron particles).
- **Housing Construction:** Nylon.
- **Filter Tube Dimensions:** 0.59 ID x 1.39 L.
- **Maximum Temperature:** 230°F @ 0 psig (110°C @ 0 bar), 120°F @ 125 psig (49°C @ 9 bar).
- **Maximum Pressure:** 125 psig (8.6 bar).
- **Maximum Differential Pressure:** 60 psi (4 bar) (in-to-out flow direction), 20 psi (1.4 bar) (out-to-in flow direction).
- **Internal Volume:** 11.5 cc (11.5 ml).
- **Connections:** Barbed for 1/4˝ ID tubing.

### MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F195</td>
<td>Disposable in-line filter</td>
</tr>
</tbody>
</table>

### LINE PRESSURE VS. FLOW

<table>
<thead>
<tr>
<th>Line Pressure (psig)</th>
<th>1.5</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>125</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Flow (scfm)</td>
<td>0.6</td>
<td>0.9</td>
<td>1.3</td>
<td>1.8</td>
<td>2.0</td>
<td>2.7</td>
<td>3.5</td>
<td>4.2</td>
<td>5.7</td>
</tr>
</tbody>
</table>

**Note:** 1.5 psi pressure drop.