**Model F195**

**Disposable In-Line Filter**

Flowmeter Accessories and Options

Remove 99.99% of unwanted particles from within your gas flow with the Model F195 Disposable 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.

**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>2.6</td>
<td>0.9</td>
<td>1.3</td>
<td>1.6</td>
<td>2.0</td>
<td>2.7</td>
<td>3.5</td>
<td>4.2</td>
<td>5.7</td>
</tr>
</tbody>
</table>

* 1.5 psi pressure drop.

**SAFBRKTB, Mounting Bracket**

**Series SAFR**

Subminiature Air Pressure Regulator

Air Regulator, Compact and Light Weight, Low Cost

The Series SAFR is a miniature air pressure regulator that provides the highest level of regulation accuracy and repeatability available in a compact, lightweight body. This is ideal for applications that require exact pressure control and substantial flow capacity under variable operating conditions and limited space.

**SPECIFICATIONS**

- **Service:** Air only.
- **Wetted Materials:**
  - Body: Aluminum alloy, chromate and epoxy paint;
  - Diaphragm: Nitrile elastomer;
  - Trim: Zinc plated steel;
  - Additional Materials: Brass, aluminum, SS, zinc plated steel.
- **Output:**
  - 0.7 to 30 psig (0.05 to 2 BAR);
  - 1.4 to 60 psig (0.1 to 4 BAR);
  - 1.4 to 120 psig (0.1 to 8 BAR).
- **Max. Supply Pressure:** 150 psig (10 BAR).
- **Temperature Limits:** 0 to 160˚F (-18°C to 71°C).
- **Sensitivity:** 0.25 in w.c. (6.4 mm w.c.).
- **Consumption:** 6.0 scfh (170 Nl/min) max. at 150 psig (10 BAR) supply change.
- **Flow Capacity:** 14 scfm (396 Nl/min).
- **Exhaust Capacity:** 7 scfm (199 Nl/min).
- **Process Connection:** 1/8˝ in, out, gage (2) female NPT.
- **Weight:** 0.35 lb (0.16 kg).