The Series FR Filter-Regulators are combination units that provide maximum options in minimal space. Constructed of aluminum and poly carbonate, these rugged units offer the same air pressure regulation features as our standard R Series units side-by-side with the convenience of an F Series filter. Unscrewing the adjustment knob and retaining flange easily adapts panel or bracket mounting.

The Series FRL takes the FR Series to the next level by including an L Series lubricator. The package is completely installed and ready to go right out of the box.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Process Connection</th>
<th>Pressure Range</th>
<th>Filtration</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR1-112050M</td>
<td>1/8&quot; NPT</td>
<td>120 psi</td>
<td>50 microns</td>
<td>$25.00</td>
</tr>
<tr>
<td>FR2-212050M</td>
<td>1/4&quot; NPT</td>
<td>120 psi</td>
<td>50 microns</td>
<td>$64.00</td>
</tr>
<tr>
<td>FRL1-112050M</td>
<td>1/8&quot; NPT</td>
<td>120 psi</td>
<td>50 microns</td>
<td>$50.00</td>
</tr>
<tr>
<td>FRL2-212050M</td>
<td>1/4&quot; NPT</td>
<td>120 psi</td>
<td>50 microns</td>
<td>$109.00</td>
</tr>
</tbody>
</table>

**Models:**
- FR1-112050M
- FR2-212050M
- FRL1-112050M
- FRL2-212050M

**General:**
- Temperature Limits: 41 to 140°F (5 to 60°C)
- Maximum Supply Pressure: 165 psig
- Drain: Manual/Semi-Auto
- Flow (based on 100 psi inlet pressure w/ 50 micron filter): 55, 85 SCFM

**Construction:**
- Body: Aluminum; Filter: Sintered Bronze

**Temperature Limits:**
- FR1-112050M: 41 to 140°F (5 to 60°C)
- FR2-212050M: 41 to 140°F (5 to 60°C)
- FRL1-112050M: 41 to 140°F (5 to 60°C)
- FRL2-212050M: 41 to 140°F (5 to 60°C)

**Process Connections:**
- FR1-112050M: 1/8" NPT
- FR2-212050M: 1/4" NPT
- FRL1-112050M: 1/8" NPT
- FRL2-212050M: 1/4" NPT

**Flow (based on 100 psi inlet pressure):**
- FR1-112050M: 40, 60 SCFM
- FR2-212050M: 90, 120, 120 SCFM
- FRL1-112050M: 90, 120, 120 SCFM
- FRL2-212050M: 90, 120, 120 SCFM

**Total Air Consumption:**
- FR1-112050M: 0.3 SCFH
- FR2-212050M: 0.3 SCFH
- FRL1-112050M: 0.3 SCFH
- FRL2-212050M: 0.3 SCFH
### Filters - Regulators & Filters-Regulators-Lubricators

<table>
<thead>
<tr>
<th>Function</th>
<th>FR FRL</th>
<th>Filter - Regulator $25.00</th>
<th>Filter - Regulator - Lubricator $64.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body Style</td>
<td>1 2 1 Size 2 Size</td>
<td>50.00</td>
<td>109.00</td>
</tr>
<tr>
<td>Process Connection</td>
<td>1 2 3 4</td>
<td>1/8&quot; NPT (1 Size only) 1/4&quot; NPT 3/8&quot; NPT (2 Size only) 1/2&quot; NPT (2 Size only)</td>
<td></td>
</tr>
<tr>
<td>Pressure Range</td>
<td>010 030 060 120</td>
<td>0-10 psi outlet pressure 0-30 psi outlet pressure 0-60 psi outlet pressure 0-120 psi outlet pressure</td>
<td></td>
</tr>
<tr>
<td>Filtration</td>
<td>5 0 25 05</td>
<td>50 micron filter 25 micron filter 5 micron filter</td>
<td></td>
</tr>
<tr>
<td>Drain</td>
<td>M S A</td>
<td>Manual drain (standard) Semi-Automatic drain Automatic drain (2 Size only) N/A add $9.00</td>
<td></td>
</tr>
</tbody>
</table>

**Model F195 Disposable In-Line Filter**

**Flowmeter Accessories and Options**

- **Filtration Efficiency:** 99.99% (removal of 0.1 micron particles).
- **Housing Construction:** Nylon.
- **Filter Tube Dimensions:** 0.59 ID x 1.39 length.
- **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” I.D. tubing.

**SPECIFICATIONS**

**Model F195, Disposable In-Line Filter .................... $20.50**

**Line Pressure vs. Flow**

<table>
<thead>
<tr>
<th>Line Pressure (psig)</th>
<th>0.5 1.0 2.0 3.0 4.0 5.0 6.0 8.0 10.0 12.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Flow (scfm)</td>
<td>0.8 1.6 1.3 1.6 2.0 2.7 3.5 4.2 5.7</td>
</tr>
</tbody>
</table>

* 1.5 psi pressure drop.

**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.

**Dwyer® Disposable In-Line Filter**

**Flowmeter Accessories and Options**

| Model F195, Disposable In-Line Filter ................................ $20.50**

**SPECIFICATIONS**

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