P8A, P8B Combination Units
17 Series Filter-Regulator-Lubricator
3/4", 1", 1-1/4" and 1-1/2" Port Sizes

- Depth type, 40 µm filter element
- Balanced regulator valve minimizes effect of changes in inlet pressure on outlet pressure
- Low torque, non-rising regulator pressure adjusting knob
- All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment
- Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows

Use Micro-Fog combinations in applications containing one or more points of lubrication
Use Oil-Fog combinations to lubricate a single tool, cylinder, or other air driven device

Technical Data
Fluid: Compressed air
Maximum pressure: 250 psig (17 bar)
Operating temperature*: 0° to 175°F (-20° to 80°C)
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
Start point (minimum flow required for lubricator operation): 8 scfm (3.8 dm3/s) at 90 psig (6.3 bar) inlet pressure
Regulator gauge ports:
1/4" PTF with PTF main ports
R1/4 with ISO Rc, ISO G, and BSPP main ports
Nominal bowl size: 1 quart US (1 liter)
Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread
Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread
Automatic drain operating conditions (float operated)
Bowl pressure required to close drain: Greater than 5 psig (0.3 bar)
Bowl pressure required to open drain: Less than 3 psig (0.2 bar)
Minimum air flow required to close drain: 2 scfm (1 dm3/s)
Manual operation: Depress pin inside drain outlet to drain bowl
Recommended lubricants: See Section ALE-29.
Materials
Bodies, bowls, regulator bonnet: Aluminum
Bowl sight glass: Pyrex
Filter element: Sintered bronze
Regulator bottom plug: Acetal
Regulator valve: Aluminum and nylon
Lubricator sight-feed dome: Transparent nylon
Elastomers: Neoprene and nitrile

ISO Symbols
Filter with automatic drain, relieving regulator, lubricator with manual drain

See Section ALE-24 for Accessories
Ordering Information. Models listed have PTF port threads. Filters and lubricators have metal bowl with sight glass. Filters have 40 µm element and automatic drain. Lubricators have manual drain. Regulators are relieving type with gauge, knob adjustment, and outlet pressure adjustment range of 5 to 125 psig (0.3 to 8.5 bar)*.

### Alternative Models

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Micro-Fog Models</th>
<th>Oil-Fog Models</th>
<th>Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>P8A-860-A3DA</td>
<td>P8B-860-A3DA</td>
<td>6.69 (3.03)</td>
</tr>
<tr>
<td>1&quot;</td>
<td>P8A-860-A3DA</td>
<td>P8B-860-A3DA</td>
<td>6.29 (2.85)</td>
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<tr>
<td>1-1/4&quot;</td>
<td>P8A-A60-A3DA</td>
<td>P8B-A60-A3DA</td>
<td>7.51 (3.41)</td>
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<tr>
<td>1-1/2&quot;</td>
<td>P8A-B60-A3DA</td>
<td>P8B-B60-A3DA</td>
<td>6.88 (3.12)</td>
</tr>
</tbody>
</table>

* Outlet pressure can be adjusted to pressures in excess of, and less than, those specified. Do not use these units to control pressures outside of the specified ranges.

### Threads Substitute
- PTF A
- ISO Rc taper B
- BSPP (1-1/2" ported units only) C
- ISO G parallel (not available with 1-1/2" ported units) G

### Lubricator Type Substitute
- Micro-Fog A
- Oil-Fog B

### Port Size Substitute
- 3/4" 6
- 1" 8
- 1-1/4" A
- 1-1/2" B

### Filter Bowl Substitute
- Metal, sight glass 5 to 125 0.3 to 8.5 Relieving With 60
- Metal, sight glass 5 to 125 0.3 to 8.5 Relieving Without 61
- Metal, sight glass 5 to 125 0.3 to 8.5 Non relieving Without 62
- Metal, sight glass 5 to 125 0.3 to 8.5 Non relieving Without 63
- Metal, sight glass 5 to 50 0.3 to 3.5 Relieving Without 64
- Metal, sight glass 5 to 50 0.3 to 3.5 Relieving With 65
- Metal, sight glass 5 to 50 0.3 to 3.5 Non relieving With 66
- Metal, sight glass 5 to 50 0.3 to 3.5 Non relieving With 67
- Metal, sight glass 10 to 250 0.7 to 17 Relieving Without 76
- Metal, sight glass 10 to 250 0.7 to 17 Relieving With 77
- Metal, sight glass 10 to 250 0.7 to 17 Non relieving Without 78
- Metal, sight glass 10 to 250 0.7 to 17 Non relieving With 79

### Filter Element Substitute
- 40 µm 3

### Filter Drain Substitute
- Automatic A
- Manual M

### Service Kits

<table>
<thead>
<tr>
<th>Item</th>
<th>Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricator service kit</td>
<td>All o-rings, seals, gaskets</td>
<td>5771-02</td>
</tr>
<tr>
<td>Filter service kit</td>
<td>All o-rings, seals, gaskets</td>
<td>5578-05</td>
</tr>
<tr>
<td>40 µm element</td>
<td></td>
<td>5311-03</td>
</tr>
<tr>
<td>Replacement drain</td>
<td>Automatic</td>
<td>3000-10</td>
</tr>
<tr>
<td>Sight glass kit *</td>
<td>Pyrex</td>
<td>2273-22</td>
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<tr>
<td>Regulator service kit **</td>
<td>Relieving</td>
<td>5578-02</td>
</tr>
<tr>
<td>Non relieving</td>
<td>5578-01</td>
<td></td>
</tr>
<tr>
<td>Replacement drain</td>
<td>1/4 Turn</td>
<td>619-50</td>
</tr>
</tbody>
</table>

* Sight glass kit contains bowl o-ring plus all o-rings, seals, screws, glass, and glass guard.
** Regulator service kit contains, diaphragm, all o-rings, valve, and valve spring.

* Minimum clearance required to remove bowl.