Models 3450 Series
High-Purity/High Flow Stainless Steel Line Regulator

Description
A high purity line regulator for use with non-corrosive or semi-corrosive gases including dichlorosilane, ammonia, or amines in high flow applications.

Applications
• Point-of-use regulation of gases in high purity, high flow applications (up to 730 SCFH).

Design Features/Components
• High-purity 316L stainless steel body
• 316 stainless steel diaphragm
• Metal to metal seals minimize diffusion of contaminants
• 2” delivery pressure gauge
• Bonnet ported and threaded to pipe gases away from work area
• Equipped with outlet diaphragm valve
• 1/4” compression tube inlet/outlet connection
• Porous metal filter protects seat from contamination
• Bonnet threaded for panel mounting
• Body screw thread tapped for back mounting

Materials of Construction
Gauges: 316 stainless steel
Body: 316L stainless steel
Bonnet: Stainless steel
Diaphragm: 316 stainless steel
Seat: Teflon
Seals: Metal to metal

Specifications
Maximum Inlet Pressure: 500 psig (3,450 kPa)
Model 3452: 900 SCFH (425 SLPM)
Model 3454: 1800 SCFH (850 SLPM)
Maximum Flow Rate: (At 500 psig, N2)
Flow Capacity (Cv): 0.6
Operating Temperature: -40°F to 165°F (-40°C to 74°C)
Porting (Regulator Body): 1/4” NPT Female
Porting Configuration: 1 High, 2 Low
Shipping Weight: 5 lbs

Ordering Information

<table>
<thead>
<tr>
<th>Part Number*</th>
<th>Delivery Pressure Range</th>
<th>Delivery Pressure Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEQ3452</td>
<td>2-30 psig</td>
<td>30” vac-0-60 psig</td>
</tr>
<tr>
<td>SEQ3454</td>
<td>4-100 psig</td>
<td>30” vac-0-200 psig</td>
</tr>
<tr>
<td>SEQ3452678**</td>
<td>2-30 psig</td>
<td>30” vac-0-60 psig</td>
</tr>
</tbody>
</table>

*Note: This Series cannot be supplied with CGA connections rated higher than 500 psig.
**For Dichlorosilane only

Options

<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEQADP0162SA</td>
<td>Bonnet Vent Adapter to 1/8” FNPT</td>
</tr>
<tr>
<td>SEQKIT0204SA</td>
<td>Bonnet Panel Mounting Kit</td>
</tr>
<tr>
<td>SEQOPN0301SA</td>
<td>Swagelok 1/4” Tube Fitting (Stainless Steel) (2 Required)</td>
</tr>
<tr>
<td>SEQMSP0012XX</td>
<td>Inboard Helium Leak Rate Certification</td>
</tr>
<tr>
<td>SEQMSP0013XX</td>
<td>Combination Inboard/Outboard Helium Leak Rate Certification</td>
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