Regulators

Model 3610A Series
Single-Stage High-Purity Stainless Steel Regulator with Tied Diaphragm

Description
High-purity regulators designed for analytical applications using corrosive, toxic, or pyrophoric gases.

Applications
- Supply of corrosive, toxic, or pyrophoric gases where a positive closure of the regulator is desired.
- Supply of corrosive/toxic gases to semiconductor manufacturing processes.

Design Features/Components
- High-purity 316 stainless steel barstock body
- High-purity 316 stainless steel diaphragm
- Metal to metal seals minimize diffusion of contaminants
- 2” inlet and delivery pressure gauges
- Bonnet ported and threaded to pipe gases away from the work area
- Tied seat design helps to ensure regulator closure
- Equipped with outlet diaphragm valve
- 1/4” compression tube outlet connection
- Porous metal filter protects seat from contamination
- Panel mountable from rear with two threaded holes

Materials of Construction
- Gauges: 316 stainless steel
- Body: 316 stainless steel
- Bonnet: Nickel plated brass
- Diaphragm: 316 stainless steel
- Seat: Kel-F 81
- Seals: Metal to metal

Specifications
- Maximum Inlet Pressure: 3000 psig (20,700 kPa)
- Maximum Flow Rate: Model 3610A: 550 SCFH (320 SLPM) (At 2500 psig, N₂)
- Model 3611A: 135 SCFH (100 SLPM) (At 300 psig, N₂)
- Model 3612A: 195 SCFH (250 SLPM) (At 2500 psig, N₂)
- Model 3613A: 400 SCFH (250 SLPM) (At 2500 psig, N₂)
- Model 3615A: 550 SCFH (320 SLPM) (At 2500 psig, N₂)
- Flow Capacity (Cv): 0.09
- Operating Temperature: -40°F to 160°F (-40°C to 71°C)
- Porting (Regulator Body): 1/4” NPT Female
- Porting Configuration: 2 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>
<th>Cylinder Pressure Gauge</th>
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</thead>
<tbody>
<tr>
<td>SEQ3610ACGA</td>
<td>4-100 psig</td>
<td>30&quot; vac-0-200 psig</td>
<td>0-3000 psig</td>
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<tr>
<td>SEQ3611ANI</td>
<td>2-30 psig</td>
<td>30&quot; vac-0-60 psig</td>
<td>0-1000 psig</td>
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<tr>
<td>SEQ3612ACGA</td>
<td>2-30 psig</td>
<td>30&quot; vac-0-60 psig</td>
<td>0-1000 psig</td>
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<tr>
<td>SEQ3613ACGA</td>
<td>2-30 psig</td>
<td>30&quot; vac-0-60 psig</td>
<td>0-3000 psig</td>
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<tr>
<td>SEQ3615ACGA</td>
<td>4-100 psig</td>
<td>30&quot; vac-0-200 psig</td>
<td>0-1000 psig</td>
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</tbody>
</table>

*Note: For ordering, replace letters “CGA” with the valve outlet CGA number for the gas cylinder you are using. Some CGA limitations may apply.

Options

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEQ4754CGA</td>
<td>Tee Purge Assembly</td>
</tr>
<tr>
<td>SEQ4774CGA</td>
<td>Cross Purge Assembly</td>
</tr>
<tr>
<td>SEQADP0019BO</td>
<td>Bonnet Vent Adapter 1/8” NPT to 1/4” Compression</td>
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<tr>
<td>SEQOPN0301SA</td>
<td>Swagelok 1/4” Tube Fitting (Stainless Steel)</td>
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<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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