Model 3630A Series
Single-Stage High-Flow Corrosion Resistant Regulator – Stainless Steel, Hastelloy

Description
High purity, single stage regulator with tied diaphragm and Hastelloy trim for use with low vapor pressure corrosive gases.

Applications
- Supply of corrosive gases where extra corrosion resistance and positive shutoff is desired
- Supply of corrosive gases to manufacturing and research facilities

Design Features/Components
- 316 stainless steel regulator body provides good corrosion resistance
- Hastelloy internal valve trim provides an extra measure of resistance in the most vulnerable area of the regulator
- Tied Diaphragm for positive shutoff
- Metal to metal diaphragm to body seal
- 2” Stainless Steel gauges
- Stainless Steel cylinder connection
- Stainless Steel outlet diaphragm valve
- Stainless Steel 1/4” compression fitting on outlet
- Bonnet vent port, threaded
- Cv = 0.45

Materials of Construction
- Body: 316 stainless steel
- Diaphragm: Hastelloy
- Valve: Hastelloy
- Gauges: Stainless steel
- Seat: PCTFE

Specifications
- Maximum Inlet Pressure: 300 psig (2,070 kPa) (3630A)
- Maximum Inlet Pressure: 3000 psig (20,700 kPa) (3631A/3633A/3636A)
- Flow Capacity (Cv): 0.45
- Operating Temperatures: -40°F to +160°F (-40°C to +71°C)
- Body Porting: 1/4” NPT Female - gauges
- Body Porting: 1/2” NPT Female - inlet/outlet

Cross Purge Option
- Eliminates the escape of hazardous gases when changing cylinders
- Reduces danger of contamination from atmospheric moisture and oxygen
- Minimizes the amount of gas lost during cylinder changes
- Monel and Aluminum-Silicon-Bronze construction

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>SEQ3630ACGA</td>
<td>100mm Hg (abs) - 30 psig</td>
<td>30” vac-0-60 psig</td>
<td>0-400 psig</td>
</tr>
<tr>
<td>SEQ3631ACGA</td>
<td>1-15 psig</td>
<td>30” vac-0-30 psig</td>
<td>0-4000 psig</td>
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<tr>
<td>SEQ3633ACGA</td>
<td>2-60 psig</td>
<td>30” vac-0-100 psig</td>
<td>0-4000 psig</td>
</tr>
<tr>
<td>SEQ3636ACGA</td>
<td>4-150 psig</td>
<td>30” vac-0-200 psig</td>
<td>0-4000 psig</td>
</tr>
</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.