Model 18 Series
Single-Stage General Purpose Brass Regulator

Description
General purpose regulators with rugged construction for use with non-corrosive gases.

Applications
- Use with gases that are 99.995% or lower purity.
- Regulation of air supply to valves and actuators.
- Inert gas supply for purging applications.
- Calibration of pressure gauges, rotameters, and mass flowmeters.
- Applications with high duty cycle/demanding operating conditions.

Design Features/Components
- Forged brass body
- Neoprene diaphragm
- 2” inlet and delivery pressure gauges
- Equipped with outlet needle valve
- 1/4” NPTM outlet connection with loose hose barb
- Porous metal filter to protect seat from contamination
- Model 18R uses Tee handle for pressure adjustment; all others use black knob shown

Materials of Construction
Gauges: Brass, Painted steel covers
Body: Forged brass
Bonnet: Chrome plated brass
Diaphragm: Neoprene
Seat: PTFE Teflon
Seals: Neoprene

Specifications
Maximum Inlet Pressure: 3000 psig (20,700 kPa)
Model 18A: 400 psig (2,760 kPa)
Model 18B: 900 CFH (425 LPM)
Model 18: 2000 CFH (944 LPM)
Model 18L: 4000 CFH (1890 LPM)
Model 18H: 5000 CFH (2360 LPM)
Model 18R: 5000 CFH (2360 LPM)
Model 18A: 500 SCFH (236 LPM)
Flow Capacity (Cv): 0.17 without outlet valve
Operating Temperature: -20°F to 140°F (-29°C to 60°C)
Porting (Regulator Body): 1/4” NPT Female
Porting Configuration: 2 High, 2 Low
Shipping Weight: 4 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>
</tr>
</thead>
<tbody>
<tr>
<td>SEQ18A510**</td>
<td>0-15 psig</td>
<td>0-30 psig</td>
<td>0-400 psig</td>
</tr>
<tr>
<td>SEQ18BCGA</td>
<td>0-15 psig</td>
<td>0-30 psig</td>
<td>0-4000 psig</td>
</tr>
<tr>
<td>SEQ18CGA</td>
<td>2-50 psig</td>
<td>0-60 psig</td>
<td>0-4000 psig</td>
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<tr>
<td>SEQ18LCGA</td>
<td>4-100 psig</td>
<td>0-150 psig</td>
<td>0-4000 psig</td>
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<tr>
<td>SEQ18HCQA</td>
<td>10-200 psig</td>
<td>0-400 psig</td>
<td>0-4000 psig</td>
</tr>
<tr>
<td>SEQ18RCGA***</td>
<td>20-500 psig</td>
<td>0-1000 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.
**For Acetylene Service Only
***Uses Tee handle. All other models use black knob as shown.

Options

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEQCON0208BO</td>
<td>1/4” Compression Tube Outlet Connection (Brass)</td>
</tr>
<tr>
<td>SEQ6103AF</td>
<td>Flash Arrestor for Flammable Gases</td>
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</tbody>
</table>

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