High-Delivery Pressure Regulators
High-Purity for Noncorrosive/Corrosive Service
Model 208

Model 208 Series regulators provide high-pressure delivery of corrosive and noncorrosive gases under high inlet pressure conditions. Single-stage design requires periodic readjustment of delivery pressure as inlet pressure decreases. These regulators are recommended for manufacturing process and gas filling applications involving high-purity gases.

Benefits/Features
Single-stage regulator designed for pressure control of gases when pressure rise is not critical.
Stainless steel or brass diaphragm outlet valve provides on/off flow control and maintains gas purity.
Designed to handle high pressures up to 2500 psig (172 bar).
Piston design ensures safety and extends the durability of the regulator.
Threaded bonnet allows for easy panel mounting.
Filter traps foreign matter, extends regulator life and reduces maintenance.

Specifications
- Inlet Pressure: 3000 psig (207 bar) maximum
- Operating Temperature Range: -15°F to 140°F (-26°C to 60°C)
- Flow Coefficient: Cv = 0.06
- Supply Pressure Effect: 2 psi per 100 psi (0.1 bar per 7 bar)
- Regulator Inlet Port: 1/4" NPT Female
- Inlet Connection: Specify CGA
- Outlet Connection: 1/4" NPT Female and all other inlet/outlet configurations
- Gauge Size: 2" (53 mm) face
- Weight:
  - Brass: 3.9 lbs. (1.8 kg)
  - Stainless steel: 3.7 lbs. (1.7 kg)

Materials of Construction
- Body: Brass or 316 Stainless Steel
- Piston: 316 Stainless Steel
- O-Ring: Viton®
- Seat: PTFE
- Seals: PTFE
- Bonnet: Brass or 300 Stainless Steel
- Gauges: Brass or stainless steel

<table>
<thead>
<tr>
<th>Model 208</th>
<th>Brass</th>
<th>Stainless Steel</th>
<th>Delivery Pressure Range</th>
<th>Delivery Pressure Gauge (psig/bar)</th>
<th>Cylinder Pressure Gauge (psig/bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1-208AB(*)</td>
<td>Q1-208AS(*)</td>
<td></td>
<td>10 – 800</td>
<td>0.7 – 55</td>
<td>0 – 69</td>
</tr>
<tr>
<td>Q1-208BB(*)</td>
<td>Q1-208BS(*)</td>
<td></td>
<td>20 – 1500</td>
<td>1 – 103</td>
<td>0 – 138</td>
</tr>
<tr>
<td>Q1-208CB(*)</td>
<td>Q1-208CS(*)</td>
<td></td>
<td>30 – 2500</td>
<td>2 – 172</td>
<td>0 – 207</td>
</tr>
</tbody>
</table>

* Specify CGA. Other cylinder connections are available – please contact your Air Liquide representative.

Options:
- Model No. Q1-PMNCP chrome-plated nut for stainless steel and brass
- Model No. Q1-CAPVENTBR brass captured venting configuration allows for complete capture when connected to a vent line
- Model No. Q1-CAPVENTSS stainless steel captured venting configuration allows for complete capture when connected to a vent line