Low Internal Volume Regulators
High-Purity for Noncorrosive/Corrosive Service
Models 206 and 216

Designed for portable calibration and analyzer applications, these regulators are available in both stainless steel and brass. Low internal volumes allow for rapid purging – the Model 206 is a single-stage regulator with an internal volume of 3.03 cc, while the Model 216 is a two-stage regulator with an internal volume of only 8.6 cc. Use the Model 216 when constant delivery pressure is desired.

**Benefits/Features**
- Compact and light weight for easy transportation.
- Low internal dead volume minimizes purge time.
- The diaphragm is convoluted to provide excellent accuracy.

**Specifications**
- **Inlet Pressure:** 3000 (207 bar) maximum
- **Operating Temperature Range:** -40°F to 140°F (-40°C to 60°C)
- **Flow Coefficient:** \( C_v = 0.06 \)
- **Supply Pressure Effect:**
  - Model 206: 2 psi per 100 psi (0.1 bar per 7 bar)
  - Model 216: 0.4 psi per 100 psi (0.1 bar per 7 bar)
- **Inlet Connection:** Specify CGA
- **Outlet Connection:** 1/4” NPT Female and all other inlet/outlet configurations.
- **Gauge Ports:** 1/8” NPT Female
- **Regulator Inlet Port:** 1/4” NPT Female

**Gauge Size:** 1.5” (41 mm) face
**Weight:**
- Model 206: 1.3 lbs. (0.6 kg)
- Model 216: 2.6 lbs. (1.2 kg)

**Materials of Construction**
- **Body:** Brass or 316 Stainless Steel
- **Diaphragm:**
  - Model 206: 316 Stainless Steel
  - Model 216: 1st stage: 316 Stainless Steel
  - 2nd stage: Elgiloy®
- **Seats:** PCTFE
- **Seals:** PTFE
- **Bonnet:** Anodized black aluminum
- **Gauges:** Brass or stainless steel

<table>
<thead>
<tr>
<th>Model 206, 216</th>
<th>Delivery Pressure Range</th>
<th>Delivery Pressure Gauge</th>
<th>Cylinder Pressure Gauge</th>
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<tbody>
<tr>
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<td>psig</td>
<td>bar</td>
<td>psig</td>
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<tr>
<td><strong>Brass</strong></td>
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<tr>
<td>Single-Stage</td>
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<tr>
<td>Q1-206AB(*)</td>
<td>1 - 30</td>
<td>0.1 - 2</td>
<td>0 - 60</td>
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<tr>
<td>Q1-206BB(*)</td>
<td>2 - 75</td>
<td>0.1 - 5</td>
<td>0 - 100</td>
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<tr>
<td>Q1-206CB(*)</td>
<td>4 - 150</td>
<td>0.3 - 10</td>
<td>0 - 200</td>
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<tr>
<td><strong>Stainless Steel</strong></td>
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<td>Two-Stage</td>
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<td>Q1-216AB(*)</td>
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* Specify CGA. Other cylinder connections are available – please contact your Air Liquide representative.

**Options:**
- Model No. Q4-62B4MFL brass diaphragm valve
- Model No. Q4-62S4MFL stainless steel diaphragm valve