Ultra-High-Purity Regulators
For Noncorrosive/Corrosive Service
Models 2700 and 2710

These single-stage regulators are designed to reduce distribution system line pressure to workable levels and handle inlet pressures up to 3000 psig (207 bar). The Model 2700 is perfect for high-flow applications and the Model 2710 is for low-flow. Select brass for noncorrosive gas service and stainless steel for corrosive service.

**Benefits/Features**
- Threaded bonnet allows for easy panel mounting.
- Threaded holes in rear of regulator allow for front panel mounting.
- Filter traps foreign matter, extends regulator life and reduces maintenance.
- Port arrangement for 2700 is two inlets and two outlets. For 2710, it is one inlet and two outlets.

**Specifications**
- **Inlet Pressure:** 3000 psig (207 bar) maximum
- **Operating Temperature Range:** -40°F to 140°F (-40°C to 60°C)
- **Flow Coefficient:**
  - 2700: Brass: Cv = 0.4
  - Stainless Steel: Cv = 0.6
  - 2710: Cv = 0.06
- **Supply Pressure Effect:**
  - 2700: 1 psi per 100 psi (0.1 bar per 7 bar)
  - 2710: 2 psi per 100 psi (0.1 bar per 7 bar)
- **Regulator Inlet Port:** 1/4” NPT Female
- **Inlet Connection:** 1/4” compression fitting
- **Outlet Connection:** 1/4” compression fitting
- **Gauge:**
  - 2700: 2.5” (68 mm) face
  - 2710: 2” (53 mm) face

**Weight:**
- 2700: Brass: 4.5 lbs. (2 kg)
  - Stainless Steel: 4.1 lbs. (1.9 kg)
- 2710: Brass: 2.3 lbs. (1 kg)
  - Stainless Steel: 2.4 lbs. (1.1 kg)

**Materials of Construction**
- **Body:** Brass or 316 Stainless Steel
- **Diaphragm:**
  - 2700B: 302 Stainless Steel
  - 2700S, 2710B, 2710S: 316 Stainless Steel
- **Seat:**
  - 2700B: PTFE
  - 2700S, 2710B, 2710S: PCTFE
- **Seals:** PTFE
- **Bonnet:** Brass or 300 Stainless Steel
- **Gauges:** Brass or stainless steel

<table>
<thead>
<tr>
<th>Model 2700, 2710</th>
<th>Delivery Pressure Range</th>
<th>Delivery Pressure Gauge</th>
<th>(psig</th>
<th>bar</th>
<th>psig</th>
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<tbody>
<tr>
<td>Brass</td>
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<tr>
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<td>Q1-2710S</td>
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<td>Q1-2711S</td>
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<tr>
<td>Q1-2712B</td>
<td>Q1-2712S</td>
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<td>0.5 – 21</td>
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<td>0 – 28</td>
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Please note: If higher flow rates are required, please contact your Air Liquide representative about the Model 2700HF series regulator.

Options: Model No. Q1-PMNCPS chrome-plated panel mounting nut for Model 2700S
Model No. Q1-PMN brass panel mounting nut for Model 2700B