Back-Pressure Regulators
High-Purity for Noncorrosive/Corrosive Service
Model 2800

These high-purity back-pressure regulators are designed to control the internal pressure in an instrumented system. Unlike pressure reducing regulators, these control inlet pressure rather than outlet or downstream pressures and operate like highly sensitive adjustable relief valves. The inlet pressure is controlled by relieving pressure from the system to maintain pressure at or below a desired level. They are commonly used to prevent overpressurization of storage vessels, compressors and pumping systems.

Benefits/Features
- Convoluted stainless steel diaphragm provides precise pressure relief accuracy.
- Threaded holes in rear of regulator allow front panel mounting for pressure control at the point-of-use.
- Threaded bonnet allows for easy rear panel mounting.

Specifications
- Rated Pressure: 250 psig (17 bar) maximum
- Operating Temperature Range: -40°F to 165°F (-40°C to 60°C)
- Flow Coefficient: Cv = 0.08
- Regulator Inlet Port: 1/4” NPT Female
- Inlet Connection: 1/4” NPT Female
- Outlet Connection: 1/4” NPT Female
- Extra HP Port Plug: 1/4” NPT Female
- Weight: 2.1 lbs. (1 kg)

Materials of Construction
- Body: Brass bar stock or 316 Stainless Steel
- Diaphragm: 316 Stainless Steel
- Seat: PCTFE
- Bonnet: Brass bar stock or 316 Stainless Steel

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<th>Model 2800</th>
<th>Controlled Pressure Range</th>
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<tr>
<td></td>
<td>psig</td>
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<tr>
<td>Q1-2800AB</td>
<td>3 – 30</td>
</tr>
<tr>
<td>Q1-2800BB</td>
<td>4 – 50</td>
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<tr>
<td>Q1-2800CB</td>
<td>10 – 100</td>
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<td>Q1-2800DB</td>
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Options: Model No. Q1-CAPVENTSS Capture bonnet vent connection for stainless steel regulators
- Model No. Q1-CAPVENTBR Capture bonnet vent connection for brass regulators
- Model No. Q4-68EB-(*) brass 2” gauge 1/4” NPT Male
- Model No. Q4-68ES-(*) stainless steel 2” gauge 1/4” NPT Male

Please note: Specify maximum pressure.