Ultra-Low Delivery Pressure Models

Description: This two-stage regulator is recommended for use with non-corrosive gases in applications where an ultra-low delivery pressure is required. It maintains an accurate delivery pressure over the life of the cylinder. The two-stage design limits the variations in the outlet pressure to 0.06 psig for every 100 psig of inlet pressure decay. Made of durable, long-lasting forged brass and then chrome plated, this regulator is perfect for non-corrosive, ultra-low delivery pressure gases. A needle valve is included on the outlet.

Design Features
- Large Elastimeric Diaphragms deliver precise pressure control from full cylinder to almost empty.
- Sintered Metal Filter protects internal parts and extends service life.
- Unique Delivery Gauge provides 0.1 psi graduations on the 0 - 2 psi unit and 0.5 psi on the 0 - 6 psi unit.
- Inter-Stage Relief Valve protects second stage from over-pressurization.

Specifications
- Maximum Rated Inlet Pressure: 3,000 psig
- Outlet Pressure Ranges: 0.06 - 2 psig/0.06-6 psig
- Flow Capacity: Cv=0.08
- Ambient Operating Temperature: -20° F to +140° F
- Designed Leak Rate: Bubble-Tight (helium)
- Weight: 5 lbs
- Ports (5): 1/4" FNPT
- Outlet: 1/4" NPT male
- Decay Inlet Characteristic: 0.03/100 psi

Materials
- Body: Brass
- Bonnet: Brass
- Diaphragm: 1st Stage PTFE, 2nd Stage Neoprene
- Gauges: 21/2" Brass
- Filter: Sintered Brass
- Valve Stem: Brass
- Valve Spring: 302 Stainless Steel
- 1st Stage Seat: PTFE
- 2nd Stage Seat: Neoprene

Product Number
<table>
<thead>
<tr>
<th>Material</th>
<th>Max Inlet Pressure (psig)</th>
<th>Max Outlet Pressure (psig)</th>
<th>Capacity (scfh @ Max Del. Pressure)</th>
<th>Relief Valve Setting (psig)</th>
<th>Inlet Gauge Range (psig)</th>
<th>Delivery Gauge Range (psig)</th>
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</thead>
<tbody>
<tr>
<td>Y12-N175A(CGA)</td>
<td>Brass</td>
<td>3,000</td>
<td>2</td>
<td>100</td>
<td>1,200</td>
<td>0-4,000</td>
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<tr>
<td>Y12-N175B(CGA)</td>
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<td>0-4,000</td>
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