Deluxe Model

Description: Designed for the pressure control of corrosive halogen gases, the deluxe corrosive service regulators have all-wetted parts of either PCTFE, Iconel® or Monel materials and are protected internally by a sintered Monel filter.

This model has a unique design that allows the regulator to be easily rebuilt.

Note: A Cross-Purge Assembly must be used in conjunction with these models in order to ensure effective purging of hazardous gas traces during cylinder change out.

Design Features
- Filtered Seat
- PCTFE Seat
- Sintered Monel Filter
- 2½" Monel Gauges
- Easy Replacement Seat Assembly

Specifications
- Maximum Rated Inlet Pressure: 3,000 psig
- Outlet Pressure Ranges: 0-50, 0-200 psig
- Flow Capacity: Cv=0.08
- Ambient Operating Temperature: -20° F to +150° F
- Designed Leak Rate: Bubble-Tight (helium)
- Weight: 3.75 lbs
- Outlet: ½" MNPT Monel Instrument Valve
- Decay Inlet Characteristic: 0.35/100 psi

Materials
- Body: Monel
- Bonnet: Nickel-Plated Brass
- Seat: PCTFE
- Diaphragm: Monel
- Gauges: 2½" Monel
- Filter: Sintered Monel
- Valve Stem: Monel
- Valve Spring: Iconel®
- Trim: Nickel-Plated Brass

Ordering Information

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Material</th>
<th>Max Inlet Pressure (psig)</th>
<th>Max Outlet Pressure (psig)</th>
<th>Capacity (scfh @ Max Del. Pressure)</th>
<th>Type</th>
<th>Inlet Gauge Range (psig)</th>
<th>Delivery Gauge Range (psig)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y11-C334(CGA)</td>
<td>Monel</td>
<td>3,000</td>
<td>50</td>
<td>200</td>
<td>Single Stage</td>
<td>0-3,000</td>
<td>0-100</td>
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<tr>
<td>Y11-C334E(CGA)</td>
<td>Monel</td>
<td>3,000</td>
<td>200</td>
<td>780</td>
<td>Single Stage</td>
<td>0-3,000</td>
<td>0-300</td>
</tr>
</tbody>
</table>

NOTE: Due to the corrosive nature of the gases used with this regulator, a cross purge assembly is required to maintain the warranty and for safety.

Available Options

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y99-CPAM(CGA)</td>
<td>Monel cross purge assembly.</td>
</tr>
</tbody>
</table>
FLOW CHART # 5

CV = .09

FREE FLOW AIR (SCFM)

OUTLET PRESSURE (PSI)

0 50 100 150 200 250

0 10 20 30 40 50 60

2000 PSI IN

1000 PSI IN

250 PSI IN

SINGLE STAGE REGULATOR