Generator / Micro Bulk Back-up Panel

**Description:** The Airgas® 540 Series Generator / Micro Bulk Back-up Panel System is designed to provide a reserve supply to a gas generator / Micro Bulk or other critical gas supply system. If there is loss of electrical power or the generator cannot provide sufficient gas to the system, the reserve supply will automatically activate and supply gas without interruption. When the generator / Micro Bulk is capable of supplying the system again the reserve automatically shuts down. Panels are available for Nitrogen, Air, Hydrogen, and other inert gases. The panels will automatically supply a continuous supply of high purity, non-corrosive gas. The user can select at which pressure between 0-150 psig that they desire the system to engage. The pigtails are flexible stainless steel for easy cylinder connection; the CGA’s have integral check valves.

**There are high purity quarter turn diaphragm shut off and check valves on both the generator and reserve supply side to prevent backflow and allow isolation and disconnection of either line for service.**

**Remote alarm models are available to notify users of low reserve pressure.**

### Design Features
- Available in Brass or Stainless Steel Models
- Choice of high purity materials
- Metal-to-metal diaphragm seal
- No possibility of gas contamination
- User-selectable activation pressure
- Allows for nominal generator changes without use of reserve
- Check valves on generator and reserve supply line and in CGA nipples Prevents contamination and back flow
- Quarter turn diaphragm valves on generator and reserve supply line Allows for isolation and disconnection of either side for service

### Materials
- **Body:** Brass barstock, 316 Stainless Steel
- **Seat:** PTFE
- **Diaphragm:** 316L Stainless Steel
- **Gauges:** Brass, 316L Stainless Steel
- **Filter:** 10 micron Sintered Bronze or 316L Stainless Steel Mesh
- **Seals:** Metal to metal diaphragm seal

### Specifications
- **Maximum Rated Inlet Pressure:** 3000 PSIG
- **Maximum Outlet Pressure:** 0-150
- **Flow Capacity:** Cv = 0.1
- **Ambient Operating Temperature:** -40°F to 140°F (-38°C to 60°C)
- **Designed Leak Rate:** 1 x 10⁻⁹ scc/sec
- **Weight:** 6.5 lbs. Brass 7.25 lbs. Stainless Steel
- **Ports:** ¼” FNPT
- **Inlet:** ¼” Tube fitting (compression)
- **Outlet:** ¼” Tube fitting (compression)
- **Gauge:** 2” diameter

### Ordering Information

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Numb. of Cylinders</th>
<th>Material</th>
<th>Max Inlet Press. (psig)</th>
<th>Delivery Press. Range (psig)</th>
<th>Capacity (scfh @ Max Del. Press.)</th>
<th>Inlet Gauge Range (psig)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y11-GBP120(CGA)</td>
<td>2</td>
<td>Brass</td>
<td>3000</td>
<td>10-150</td>
<td>600</td>
<td>0-4000</td>
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<td>Y11-GBP140(CGA)</td>
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<td>Brass</td>
<td>3000</td>
<td>10-150</td>
<td>600</td>
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<tr>
<td>Y11-GBP160(CGA)</td>
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<tr>
<td>Y11-GBP180(CGA)</td>
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<td>Brass</td>
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<td>Y11-GBP440(CGA)</td>
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</table>

*Other configurations available upon request.

### Available Options

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<tr>
<th>Product Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Y99–4CYLRACK</td>
<td>4 Cylinder Rack</td>
</tr>
<tr>
<td>Y78–820ALPK*</td>
<td>Non-Flammable Alarm Package</td>
</tr>
</tbody>
</table>

Remote Alarm Capability: Must be ordered at time of original order

Flammable Gas Service Provided with Intrinsic Safety Barriers to ensure safe operation

*Alarm Systems available by special request. Call 1-800-909-5711 for pricing.