

## Generator / Micro Bulk Back-up Panel

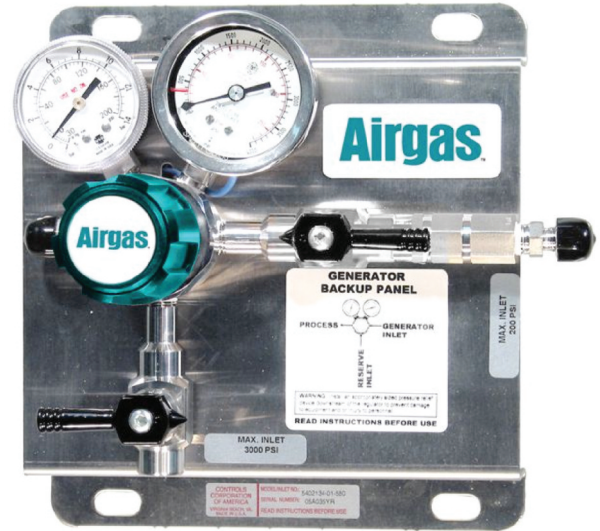
540 Series

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

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 <sup>-9</sup> 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

### 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

### Ordering Information

Product Number	Numb. of Cylinders	Material	Max Inlet Press. (psig)	Delivery Press. Range (psig)	Capacity (scfh @ Max Del. Press.)	Inlet Gauge Range (psig)
Y11-GBP120(CGA)	2	Brass	3000	10-150	600	0-4000
Y11-GBP140(CGA)	4	Brass	3000	10-150	600	0-4000
Y11-GBP160(CGA)	6	Brass	3000	10-150	600	0-4000
Y11-GBP180(CGA)	8	Brass	3000	10-150	600	0-4000
Y11-GBP420(CGA)	2	316 Stainless Steel	3000	10-150	600	0-4000
Y11-GBP440(CGA)	4	316 Stainless Steel	3000	10-150	600	0-4000
Y11-GBP460(CGA)	6	316 Stainless Steel	3000	10-150	600	0-4000
Y11-GBP480(CGA)	8	316 Stainless Steel	3000	10-150	600	0-4000

\*Other configurations available upon request.

### Available Options

Product Number	Description
Y99-4CYLRACK	4 Cylinder Rack
Y78-820ALPK*	Non-Flammable Alarm Package

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 1-800-939-5711 for pricing.