

## 10-100 psig Delivery 10-200 psig Delivery

This high-purity brass or stainless steel automatic changeover panel provides continuous, uninterrupted gas supply on installations where a reserve cylinder is used. The unit consists of two regulators built into one body – one side of the regulator delivering gas at a slightly higher pressure than the other regulator. When the service cylinder is empty, the unit automatically withdraws gas from the reserve cylinder, eliminating the need to shut down the system to replace empty cylinders. The indicating arrow on the regulator adjustment knob denotes which cylinder is in use. The high-purity design and components make this system ideally suited for chromatography and laboratory gas applications.

This system includes integrated check valves in the CGA connections that help eliminate atmospheric contamination during cylinder change out; optional block and bleed assemblies can be installed immediately downstream of the CGA connection to further mitigate the probability of contamination during cylinder change outs. All systems include five-sided mounting enclosure, pigtails, isolation valves and outlet shut-off valve.

**Notes:** For applications using portable cylinder banks, Airgas strongly recommends the 6-ft. pigtail option to facilitate the safe positioning of the banks in front of the manifold.

### Design Features

- **Automatic Changeover** - provides uninterrupted high-purity gas supply.
- **Convuluted 316 Stainless Steel Diaphragms** - provide superior leak integrity without contamination from a non-metallic liner or seal.
- **Indicating Pressure Switch Inlet Gauges Standard** - magnetically actuated reed switch capable of operating low voltage annunciator, lights or displays switch point can be adjusted between 2% & 90% of full scale
- **Integral Check Valve in CGA** - virtually eliminates atmospheric contamination that occurs during cylinder change out.
- **Wall Mount Five-Sided Enclosed Panel** - protects piping, gauges & regulator bodies from direct weather. Open back allows for easy field service/repair permits easy on-site installation. Tear drop holes make for easy and quick installation.
- **36" Flexible Metal Pigtails** - stainless steel construction provides excellent diffusion and corrosion resistance high convolution count provides excellent flexibility cleaned for O2 Service; allows high purity system integrity

High Purity

Changeover Panels



Specifications	
Maximum Rated Inlet Pressure	3000 psig
Outlet Pressure Ranges	10-100 psig 10-200 psig
Flow Coefficient	Cv = 0.06
Flow Capacity	200 scfh @150 psig
Design Leak Rate	2 x 10 <sup>-8</sup> ccs
Weight	11 lbs
Ambient Operating Temperature	-40F to 150F
Inlet Connections	36" Stainless steel corrugated bellows with CGA check valves
Outlet Port	¼" compression

Materials	
Body	Brass or 316 Stainless Steel
Bonnet	Brass Bar Stock
Seat	PCTFE
Diaphragm	316 Stainless Steel
Gauges	Brass or Stainless Steel
Filters	40 Micron Stainless Steel

Equipment

### Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.

# Specialty Gas Equipment

## Ordering Information

Product Number	Materials	No. Cyl	Delivery Pressure Range	Capacity (scfh @ Max Del Pressure)	Inlet Gauge Range	Outlet Gauge Range
Y11-ASCP120BR(CGA)	Brass	2	10-100	220	3000	200
Y11-ASCP140BR(CGA)	Brass	4	10-100	220	3000	200
Y11-ASCP160BR(CGA)	Brass	6	10-100	220	3000	200
Y11-ASCP180BR(CGA)	Brass	8	10-100	220	3000	200
Y11-ASCP420BR(CGA)	316 SS	2	10-100	220	3000	200
Y11-ASCP440BR(CGA)	316 SS	4	10-100	220	3000	200
Y11-ASCP460BR(CGA)	316 SS	6	10-100	220	3000	200
Y11-ASCP480BR(CGA)	316 SS	8	10-100	220	3000	200
Y11-ASCP120R(CGA)	Brass	2	10-200	220	3000	400
Y11-ASCP140R(CGA)	Brass	4	10-200	220	3000	400
Y11-ASCP160R(CGA)	Brass	6	10-200	220	3000	400
Y11-ASCP180R(CGA)	Brass	8	10-200	220	3000	400
Y11-ASCP420R(CGA)	316 SS	2	10-200	220	3000	400
Y11-ASCP440R(CGA)	316 SS	4	10-200	220	3000	400
Y11-ASCP460R(CGA)	316 SS	6	10-200	220	3000	400
Y11-ASCP480R(CGA)	316 SS	8	10-200	220	3000	400

## Available Options

Product Number	Description
Y15-4P72K2C	6-ft pigtails for use with portable cylinder (2- cylinder kit)
Y15-4p72K4C	6-ft pigtails for use with portable cylinder (4 - cylinder kit)
Y99-BBCGA1K2	Block & Bleed assembly installed at CGA (2- cylinder kit)
Y99-BBCGA1K4	Block & Bleed assembly installed at CGA (4- cylinder kit)
Y78-EN200ALPK	Optional Alarm (Audio and Visual)
Y78-EXTCAB8	25 foot cable extender for alarm
Y78-EXTCAB15	50 foot cable extender for alarm
Y78-EXTCAB30	100 foot cable extender for alarm
Y78-EXTCAB40	130 foot cable extender for alarm

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