

Lasing Gas Semi Automatic Changeover Panels

- 0–50 and 0–125 PSIG Delivery Mode
- Pre Mix and Individual Gases

Description: The automatic changeover panel provides continuous, uninterrupted gas supply to the resonator. When the service cylinder is empty, the unit will automatically withdraw gas from the reserve cylinder, eliminating the need to shut down the laser to replace empty cylinders. The pressure gauges immediately indicate which cylinder is in use. A line regulator maintains a constant delivery pressure to the laser.

The manifolds are provided complete with 24" stainless steel (corrugated bellows) flexible pigtails and inlet purge assembly. The purge assembly CGA has an integrated check valve in the nose, minimizing the amount of contaminants that enters during cylinder change out. The block and bleed valves remove contaminants that enter during cylinder change out.

For applications using portable cylinder banks we strongly recommend the 6-ft. pigtail option. This is to facilitate the safe positioning of the banks in front of the manifold.

Alarm systems to indicate that cylinder changeover has occurred can be factory installed at an additional cost.



Design Features

Automatic Changeover

provides uninterrupted high-purity gas supply.

Control Knob

permits safe removal of the empty cylinder while another cylinder is in use.

Convolute Stainless Steel Diaphragms

provide superior leak integrity without contamination from non-metallic liner or seal.

Purge Assembly on Pigtails

CGA has a check valve incorporated to reduce the amount of contaminants that enter during cylinder change out. The block and bleed valves remove the contaminants.

Wall Mount Panel

affords easy on-site installation.

Materials

Body	Nickel-Plated Brass
Bonnet	Nickel-Plated Brass
Seat	PTFE
Diaphragm	316L Stainless Steel
Inlet Gauge	2" Nickel-Plated Brass
CGA Connections	Nickel-Plated Brass w/Integral Check Valve
Block and Bleed Valves	Nickel-Plated Brass Packless Diaphragm
Outlet Gauge	2" Nickel-Plated Brass
Filter (10-micron)	Nickel-Plated Bronze Sintered

Specifications	
Maximum Rated Inlet Pressure	3,000 PSIG
Outlet Pressure Ranges	0 – 50 or 0 - 125 PSIG
Ambient Operating Temperature	-40° F to +140° F
Designed Leak Rate	1 X 10 ⁻⁸ cc/sec He
Weight	11 lbs
Outlet	1/4" FNPT
Pigtails	24" Flexible Stn Steel w/purge assemblies

Ordering Information

Product Number	Material	No. of Cylinders	CGA	Max Outlet Pressure (psig)	Capacity (scfh air @ Max Del. Press.)	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y11LGS50320	Brass	2	320	50	700	4000	100
Y11LGS125320	Brass	2	320	125	1000	4000	200
Y11LGS50350	Brass	2	350	50	700	4000	100
Y11LGS125350	Brass	2	350	125	1000	4000	200
Y11LGS50580	Brass	2	580	50	700	4000	100
Y11LGS125580	Brass	2	580	125	1000	4000	200

Available Options

	Description
Y15-4P72K2C	6' Pigtails for use with portable cylinder banks (2 Cylinder Kit)
Y78-820ALPK	Standard Alarm Package (Non-Explosion-Proof)
Call 800-939-5711	Flammable Gas Alarm Package (Explosion-Proof)