

## Lab Series Analytical Changeover Manifold

**Description:** This analytical/life science changeover manifold is an economical version that provides an uninterrupted supply of gas to your GC laboratory or life science applications. It is ideally suited for all laboratory gases, including CO<sub>2</sub>, and will maintain the purity while continuously supplying gas to your processes.

These manifolds come with an adjustable outlet pressure regulator and 30" flexible pigtails with a check valve CGA. The stainless steel diaphragm makes it ideal for analytical applications.

This unit has higher flow capabilities than our Economy Series and other similar units in the market. Its basic design makes it a very economical unit that will provide years of service at a low price. CO<sub>2</sub> units have the capability for high flows, but to attain these flows an optional heater will be required. Call our technical support staff at 800-939-5711 to help you specify the correct unit. These systems can also have alarms installed. Please contact customer service for the correct part numbers and options.

**Notes:** there are no shut-off or purge valves in the Lab Series system. They may be added as an option; or, consider our High Purity Changeover Panels. The High Purity Changeover Panels have these valves incorporated into their design.

Lab Series

CHANGE OVER MANIFOLD ANALYTICAL SERIES



### Design Features

- User-friendly Priority Valve**  
One knob switches cylinder priority
- Check valves in CGA nipples**  
Prevents contamination and back flow
- Line regulator**  
Assures stable line pressure during changeover
- Large 2½" single scale gauges**  
For easy monitoring of pressure settings
- Nickel plated or Stainless Steel regulators**  
Provide corrosion resistance and easy cleanup
- Safety Relief with captured port**  
To vent relief away from work area
- Encapsulated Filtered seat**  
Provides protection from seat contamination
- Inner stage pressure gauge**  
For easy monitoring of switch over pressures

### Materials

<b>Body</b>	Brass bar stock, Nickel plated or Stainless Steel
<b>Seats</b>	PTFE
<b>Diaphragm</b>	316L Stainless Steel
<b>Gauges</b>	Nickel-Plated Brass or Stainless Steel
<b>Filter</b>	25 Micron Stainless Steel
<b>Seals</b>	Viton or PTFE

Specifications	
Maximum Rated Inlet Pressure	3,000 psig
Maximum Outlet Pressure	0-50, 0-125, 0-250 psig
Flow Capacity	Cv=.13
Ambient Operating Temperature	-40° F to +140° F (-38° C to 60° C)
Designed Leak Rate	1x10 <sup>-5</sup> ssc/sec
Weight	10.4 lbs
Ports	¼" FNPT
Outlet	¼" compression
Gauges	2½" diameter

### Ordering Information

Product Number	Material	Number of Cyl	Delivery Pressure PSI	Flow Capacity CO <sub>2</sub>	Flow Capacity Air	Inlet Gauge Range (psig)	Outlet Gauge Range (psig)
Y11-CP720B(CGA)	Brass	2	10 - 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP740B(CGA)	Brass	4	10 - 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP760B(CGA)	Brass	6	10 - 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP780B(CGA)	Brass	8	10 - 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP720D(CGA)	Brass	2	10 - 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP740D(CGA)	Brass	4	10 - 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP760D(CGA)	Brass	6	10 - 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP780D(CGA)	Brass	8	10 - 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP720F(CGA)	Brass	2	10 - 250	800 scfh	950 scfh	0 - 4,000	0 - 400
Y11-CP740F(CGA)	Brass	4	10 - 250	800 scfh	950 scfh	0 - 4,000	0 - 400
Y11-CP760F(CGA)	Brass	6	10 - 250	800 scfh	950 scfh	0 - 4,000	0 - 400
Y11-CP780F(CGA)	Brass	8	10 - 250	800 scfh	950 scfh	0 - 4,000	0 - 400

## Lab Series Analytical Changeover Manifold Cont.

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### Ordering Information

Product Number	Material	Number of Cyl	Delivery Pressure PSI	Flow Capacity CO <sub>2</sub>	Flow Capacity Air	Inlet Gauge Range (psig)	Outlet Gauge Range (psig)
Y11-CP724B(CGA)	Stainless Steel	2	10 – 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP744B(CGA)	Stainless Steel	4	10 – 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP764B(CGA)	Stainless Steel	6	10 – 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP784B(CGA)	Stainless Steel	8	10 – 50	400 scfh	500 scfh	0 - 4,000	0 - 100
Y11-CP724D(CGA)	Stainless Steel	2	10 – 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP744D(CGA)	Stainless Steel	4	10 – 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP764D(CGA)	Stainless Steel	6	10 – 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP784D(CGA)	Stainless Steel	8	10 – 125	700 scfh	875 scfh	0 - 4,000	0 - 200
Y11-CP724F(CGA)	Stainless Steel	2	10 – 250	800 scfh	950 scfh	0 - 4,000	0 - 400
Y11-CP744F(CGA)	Stainless Steel	4	10 – 250	800 scfh	950 scfh	0 - 4,000	0 - 400
Y11-CP764F(CGA)	Stainless Steel	6	10 – 250	800 scfh	950 scfh	0 - 4,000	0 - 400
Y11-CP784F(CGA)	Stainless Steel	8	10 – 250	800 scfh	950 scfh	0 - 4,000	0 - 400

### Available Options

Product Number	Description
Y15-4P72K2C	6 foot pigtail upgrade option, 2 cylinders
Y15-4P72K4C	6 foot pigtail upgrade option, 4 cylinders
Y15-4P72K6C	6 foot pigtail upgrade option, 6 cylinders
Y78-820ALPK	Non-Flammable Alarm Package