

## High-Pressure Automatic Switchover System

**Description:** These high pressure changeover manifolds are designed for high delivery pressures and to supply a continuous supply high pressure, high purity, non-corrosive, non-oxidizing gas, from either a 3000, 4500, or 6000 psig pressure source. Due to the pressure differential considerations, an integral line regulator is used to maintain constant downstream pressure that is available in four delivery pressure ranges. The pigtailed are flexible stainless steel for easy cylinder connection; the CGA's have integral check valves and the system includes high pressure inlet isolation valves and intermediate check valves to ensure optimum safe operation even at high pressures. The system is ideal for high pressure testing or process applications.

The system is available in either 2- or 4-cylinder models.

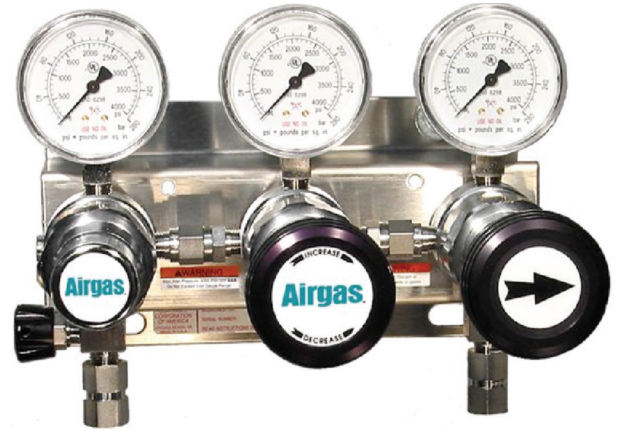
\*\*There are high pressure inlet shut off valves in this system.

\*\*\*An optional remote alarm model is available that allows for notification of the system switching.

Specifications	
Maximum Rated Inlet Pressure	3000 psig 4500, & 6000 psig
Maximum Outlet Pressure	0-1000, 0-1500, 0-2500, 0-3500 psig
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>-6</sup>
Weight	22.5 lbs.
Ports	1/4" FNPT
Inlet	1/4" FNPT
Outlet	1/4" FNPT
Gauge	2 1/2" diameter

530 Series

SWITCHOVER SYSTEMS



\*Pictured without pigtailed. System does include a 30" pigtail with check valve CGA connection for each cylinder.

### Design Features

- Piston sensed cartridge design**  
Accurate stable pressure control at high pressure
- 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

### Materials

<b>Body</b>	Chrome-plated Brass barstock
<b>Seat</b>	PEEK Arlon® (switching regulators) PCTFE (line regulator)
<b>Piston Cartridge</b>	Brass Barstock
<b>Gauges</b>	Chrome-plated Brass, 316L Stainless Steel alarm models
<b>Filter</b>	10micron Sintered Bronze
<b>Seals</b>	Viton® (PCTFE for 4500 psig option)

### 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-CP120H(CGA)	2	Chrome-plated Brass	3000	10-1000	4000	0-4000
Y11-CP140H(CGA)	4	Chrome-plated Brass	3000	10-1000	4000	0-4000
Y11-CP120L(CGA)	2	Chrome-plated Brass	4500	10-1500	4000	0-6000
Y11-CP140L(CGA)	4	Chrome-plated Brass	4500	10-1500	4000	0-6000
Y11-CP126L(CGA)	2	Chrome-plated Brass	6000	10-1500	4000	0-10000
Y11-CP146L(CGA)	4	Chrome-plated Brass	6000	10-1500	4000	0-10000
Y11-CP120K(CGA)	2	Chrome-plated Brass	4500	10-2500	4000	0-6000
Y11-CP140K(CGA)	4	Chrome-plated Brass	4500	10-2500	4000	0-6000
Y11-CP126K(CGA)	2	Chrome-plated Brass	6000	10-2500	4000	0-10000
Y11-CP146K(CGA)	4	Chrome-plated Brass	6000	10-2500	4000	0-10000
Y11-CP126M(CGA)	2	Chrome-plated Brass	6000	10-3500	4000	0-10000
Y11-CP146M(CGA)	4	Chrome-plated Brass	6000	10-3500	4000	0-10000

\*Other configurations available upon request.  
\*Call 1-800-939-5711 for pricing.