

Economy Automatic Switchover Regulator

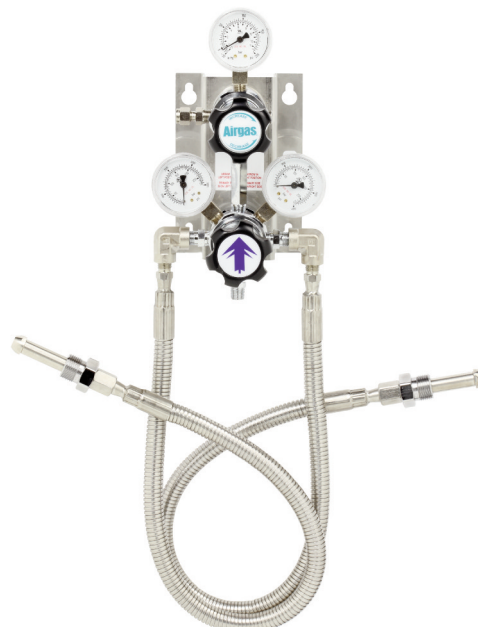
Economy

CHANGEOVER MANIFOLDS

Description: The Airgas® Economy Switchover System is part of our new Analytical Series of products for analytical and Life Science applications. It is a low-cost automatic switchover system designed to supply a continuous supply of high purity, non-corrosive gas. Due to the pressure differential considerations, an integral line regulator is used to maintain constant downstream pressure. The pigtails are flexible stainless steel for easy cylinder connection; the CGA's have integral check valves.

The 6- and 8-cylinder models use our block manifold header as standard. Heaters are standard on unit with 320 CGA's for CO2 service rate for 165 scfh flow.

Note: There are no shut-off or purge valves in the Economy 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.



Design Features

Metal-to-metal diaphragm seal

no possibility of gas contamination

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

Body	Brass barstock, 316 Stainless Steel
Seat	PTFE
Diaphragm	316L Stainless Steel
Gauges	Nickel Plated Brass, 316 Stainless Steel
Filter	10 micron
Seals	PTFE

Specifications

Maximum Rated Inlet Pressure	3000 psig
Maximum Outlet Pressure	0-50, 0-125, 0-250, 0-500 psig
Flow Capacity	Cv=0.05
Ambient Operating Temperature	-40° F to 140° F (-38° C to 60° C)
Designed Leak Rate	1 x 10 ⁻⁸ scc/sec
Weight	10 lbs.
Ports	1/4" FNPT
Inlet	1/4" FNPT
Outlet	1/4" FNPT
Gauges	2" diameter
Alarm	Y78-820ALPK

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-CP802B(CGA)	2	Brass	3000	10-50	200	0-3000
Y11-CP804B(CGA)	4	Brass	3000	10-50	200	0-3000
Y11-CP806B(CGA)	6	Brass	3000	10-50	200	0-3000
Y11-CP808B(CGA)	8	Brass	3000	10-50	200	0-3000
Y11-CP802D(CGA)	2	Brass	3000	10-125	300	0-3000
Y11-CP804D(CGA)	4	Brass	3000	10-125	300	0-3000
Y11-CP806D(CGA)	6	Brass	3000	10-125	300	0-3000
Y11-CP808D(CGA)	8	Brass	3000	10-125	300	0-3000
Y11-CP802E(CGA)	2	Brass	3000	10-250	400	0-3000
Y11-CP804E(CGA)	4	Brass	3000	10-250	400	0-3000
Y11-CP806E(CGA)	6	Brass	3000	10-250	400	0-3000
Y11-CP808E(CGA)	8	Brass	3000	10-250	400	0-3000
Y11-CP120A 510*	2	Brass	250	15	90	0-3000
Y11-CP120G(CGA)	2	Brass	3000	10-500	900	0-3000

*Uses synflex® hoses; acetylene specific changeover.

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Y11-CP842B(CGA)	2	Stainless Steel	3000	10-50	200	0-3000
Y11-CP844B(CGA)	4	Stainless Steel	3000	10-50	200	0-3000
Y11-CP846B(CGA)	6	Stainless Steel	3000	10-50	200	0-3000
Y11-CP848B(CGA)	8	Stainless Steel	3000	10-50	200	0-3000
Y11-CP842D(CGA)	2	Stainless Steel	3000	10-125	300	0-3000
Y11-CP844D(CGA)	4	Stainless Steel	3000	10-125	300	0-3000
Y11-CP846D(CGA)	6	Stainless Steel	3000	10-125	300	0-3000
Y11-CP848D(CGA)	8	Stainless Steel	3000	10-125	300	0-3000
Y11-CP842E(CGA)	2	Stainless Steel	3000	10-250	400	0-3000
Y11-CP844E(CGA)	4	Stainless Steel	3000	10-250	400	0-3000
Y11-CP846E(CGA)	6	Stainless Steel	3000	10-250	400	0-3000
Y11-CP848E(CGA)	8	Stainless Steel	3000	10-250	400	0-3000

Available Options

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