Fully Automatic System

High-Purity	CHANGEOVER PANELS

Description: The Airgas® fully automatic high-purity manifold system is intrinsically safe and has an embedded micro-processor that electronically controls the uninterrupted gas supply, monitors the system for leaks, recognizes when you change out depleted cylinders and automatically re-sets itself to full standby status. A LCD panel displays cylinder contents and pipeline pressure readings with six-system status LEDs.

The advanced fully automatic manifold integrated circuit gives you the capability to monitor the system with optional local alarms, remote alarms, phone dialers or web based monitoring.

Design Features

- **Automatic Changeover**
  re-sets automatically after cylinder change out.
- **Built-in Leak Detection**
  Micro-processor continually monitors stand-by system for leaks.
- **Enclosure Rating**
  NEMA 4X, can be located outdoors and is lockable.
- **Intrinsically Safe**
  meets intrinsically safe requirements.
- **Communication Contacts**
  standard wet/dry contacts for remote alarms, or PC interface modems for phone dialer or web based telemetry available.
- **One Bank Priority**
  flip a switch to prioritize the left or right gas supply.
- **Easily Changed Switchover Point**
  select the desired pressure point and push a button.

Inert and Oxygen Service

Specifications		
	Brass Models	**Stainless Steel Models**
Maximum Inlet Pressure	3,000 psig	3,000 psig
Maximum Delivery Pressure	10-200 psig (adjustable)	10-200 psig (adjustable)
Inlet/Outlet	$\frac{1}{2}$" FNPT	$\frac{1}{2}$" FNPT
Temperature Range	0 to 140° F	0 to 140° F

Materials		
	Brass Models	**Stainless Steel Models**
Body	Brass Barstock	316L Stainless Steel
Bonnet	Die Cast (Painted)	Chrome Plated Brass Barstock
Diaphragm	302 Stainless Steel	316L Stainless Steel
Inlet/Outlet Gauge	Transducer to LCD Panel	Transducer to LCD Panel
Nozzle	Brass	316L Stainless Steel
Seat	PTFE	PTFE
Seals	PTFE	PTFE
Seat Return Spring	Stainless Steel	316L Stainless Steel
Filter (10) Micron	Nickel-Plated Sintered Bronze	Sintered Stainless Steel
Helium Leak Rate	1 x 10^{-8} cc/sec inboard	1 x 10^{-9} cc/sec inboard
Relief Valve	Brass	Stainless Steel

Equipment

CROSSOVER PANELS	High-Purity	**Fully Automatic System** Cont.

Ordering Information

Product Number	Material	No. of Cylinders	Delivery Pressure	Capacity (scfh Air @ Max Del. Pressure)
Y11-X71H02 (CGA)	Brass	2	10-200 psig	1,000
Y11-X71H04 (CGA)	Brass	4	10-200 psig	1,000
Y11-X71H06 (CGA)	Brass	6	10-200 psig	1,000
Y11-X71H08 (CGA)	Brass	8	10-200 psig	1,000
Y11-X71H10 (CGA)	Brass	10	10-200 psig	1,000
Y11-X74H02 (CGA)	Stainless Steel	2	10-200 psig	1,000
Y11-X74H04 (CGA)	Stainless Steel	4	10-200 psig	1,000
Y11-X74H06 (CGA)	Stainless Steel	6	10-200 psig	1,000
Y11-X74H08 (CGA)	Stainless Steel	8	10-200 psig	1,000
Y11-X74H10 (CGA)	Stainless Steel	10	10-200 psig	1,000

Available Options	
Product Number	Description
Y78-RW12VK	Remote Alarm, 12V with two system status LED's & audible buzzer
Y78-ADS200	Switchover Alert Phone Dialer

Additional Information:
Web page monitoring, calls phone/ pager/emails alert messages (Hardware)
Available upon special request only - call 800-939-5711, ext. 18

Acetylene Service

Specifications	
	Brass Models
Maximum Inlet Pressure	500 psig
Maximum Delivery Pressure	2-15 psig (adjustable)
Inlet/Outlet	$\frac{1}{2}$" FNPT
Temperature Range	0 to 140° F

Materials	
Body	Brass Barstock
Bonnet	Die Cast (Painted)
Diaphragm	302 Stainless Steel
Nozzle	Brass
Seat	PTFE
Seals	PTFE
Seat Return Spring	Stainless Steel
Filter (10) Micron	Nickel-Plated Sintered Bronze
Helium Leak Rate	1×10^{-8} cc/sec inboard
Inlet/Outlet Gauge	Transducer to LCD Panel

Ordering Information

Product Number	Material	No. of Cylinders	Delivery Pressure	Capacity (scfh Air @ Max Del. Pressure)
Y11-X81C02 (CGA)	Brass	2	2-15 psig	Flow rate dependant on cylinders
Y11-X81C04 (CGA)	Brass	4	2-15 psig	Flow rate dependant on cylinders

Available Options	
Product Number	Description
Y78-RW12VK	Remote Alarm, 12V with two system status LED's & audible buzzer
Y78-ADS200	Switchover Alert Phone Dialer

Additional Information:
Web page monitoring, calls phone/ pager/emails alert messages (Hardware)
Available upon special request only - call 800-939-5711, ext. 18
Web page monitoring, calls phone/ pager/emails alert messages (Wireless)
Available upon special request only - call 800-939-5711, ext. 18

Equipment

Airgas
an Air Liquide company

Fully Automatic System Cont.

| High-Purity | CHANGEOVER PANELS |

Flammable Service

Specifications	Brass Models	Stainless Steel Models
Maximum Inlet Pressure	3,000 psig	3,000 psig
Maximum Delivery Pressure	10-200 psig (adjustable)	10-200 psig (adjustable)
Inlet/Outlet	½" FNPT	½" FNPT
Temperature Range	0 to 140° F	0 to 140° F

Materials	Brass Models	Stainless Steel Models
Body	Brass Barstock	316L Stainless Steel
Bonnet	Die Cast (Painted)	Chrome Plated Brass Barstock
Diaphragm	302 Stainless Steel	316L Stainless Steel
Nozzle	Brass	316L Stainless Steel
Seat	PTFE	PTFE
Seals	PTFE	PTFE
Seat Return Spring	Stainless Steel	316L Stainless Steel
Filter (10) Micron	Nickel-Plated Sintered Bronze	Sintered Stainless Steel
Helium Leak Rate	1×10^{-8} cc/sec inboard	1×10^{-9} cc/sec inboard
Inlet/Outlet Gauge	Transducer to LCD Panel	Transducer to LCD panel
Relief Valve	Brass Pipe Away External Venting, Fuel	Stainless Steel Pipe away External Venting, Fuel

Ordering Information

Product Number	Material	No. of Cylinders	Max Outlet Press. (psig)	Capacity (scfh Air @ Max Del. Press)
Y11-X81H02 (CGA)	Brass	2	10-200	1,000
Y11-X81H04 (CGA)	Brass	4	10-200	1,000
Y11-X81H06 (CGA)	Brass	6	10-200	1,000
Y11-X81H08 (CGA)	Brass	8	10-200	1,000
Y11-X81H10 (CGA)	Brass	10	10-200	1,000
Y11-X84H02 (CGA)	Stainless Steel	2	10-200	1,000
Y11-X84H04 (CGA)	Stainless Steel	4	10-200	1,000
Y11-X84H06 (CGA)	Stainless Steel	6	10-200	1,000
Y11-X84H08 (CGA)	Stainless Steel	8	10-200	1,000
Y11-X84H10 (CGA)	Stainless Steel	10	10-200	1,000

Available Options	
Product Number	Description
Y78-RW12VK	Remote Alarm, 12V with two system status LED's & audible buzzer

Additional Information:
Web page monitoring, calls phone/ pager/emails alert messages (Hardware)
Available upon special request only - call 800-939-5711, option 2

Equipment