

## Semi-Automatic Manifold SAM Series



The SAM-125 & SAM-015 are semi-automatic switchover manifolds that prevent downtime by automatically switching gas supply from the primary cylinder bank to the reserve cylinder bank. The user resets the primary bank by simply turning the control knob to indicate the new primary supply. The unit is designed with a built-in outlet regulator to maintain a constant downstream delivery pressure. This unit is economically priced and ideal for most high pressure gases and gaseous withdrawal from liquid cylinders.

Pigtail kits are available to connect the manifold to two or four gas cylinders. To connect more than four cylinders, use a manifold header connection kit and any modular or brazed manifold headers (sold separately). See the Superior Products catalog for the complete line of manifold headers and accessories.

- Includes line control regulator
- Inlet connections: 1/4" Male NPT
- Outlet Connection: 1/4" Female NPT
- 2" dual scale gauges
- Chrome-plated brass with stainless steel regulator diaphragms
- 9 pounds approximate weight

Specifications Chart	SAM-015	SAM-050-LP	SAM-050		SAM-125	
	Acetylene	Liquified Fuel Gases	Carbon Dioxide, Nitrous Oxide	Oxygen, Inerts, Other Gases	Carbon Dioxide, Nitrous Oxide	Oxygen, Inerts, Other Gases
Maximum Inlet Pressure (PSI)	400	400	3000	3000	3000	3000
Maximum Flow Rate (SCFH)	85	140	25	290	25	550
Delivery Range (PSI)	0-15	0-50	0-50	0-50	0-125	0-125
Switchover Pressure-Right Bank (PSI)	28	90	110	110	180	180
Switchover Pressure-Left Bank (PSI)	20	70	90	90	150	150

Pigtail Kits for SAM Series			
CGA #	Gas Service	2-Cylinder Kit Includes 24" Pigtails	4-Cylinder Kit Includes 2 each 24" Pigtails, 36" Pigtails and Tees
320	Carbon Dioxide	<b>SAM-KIT-320-02</b>	<b>SAM-KIT-320-04</b>
326	Nitrous Oxide	<b>SAM-KIT-326-02</b>	<b>SAM-KIT-326-02</b>
346	Air	<b>SAM-KIT-346-02</b>	<b>SAM-KIT-346-04</b>
350	Hydrogen, Methane	<b>SAM-KIT-350-02</b>	<b>SAM-KIT-350-04</b>
500	Medical Mixtures	<b>SAM-KIT-500-02</b>	<b>SAM-KIT-500-04</b>
510	Acetylene	<b>SAM-KIT-510A-02*</b>	<b>SAM-KIT-510A-04*</b>
510	Propane, Propylene	<b>SAM-KIT-510P-02</b>	<b>SAM-KIT-510P-04</b>
540	Oxygen	<b>SAM-KIT-540-02</b>	<b>SAM-KIT-540-04</b>
580	Nitrogen, Argon, Helium	<b>SAM-KIT-580-02</b>	<b>SAM-KIT-580-04</b>

\*Includes flash arrestors

Manifold Header Connection Kits for SAM Series			
Part Number	CGA #	Gas Service	Description
<b>SAM-KIT-1340</b>	1340	Non-fuel RH Thread	Includes pigtails to connect manifold to header bar
<b>SAM-KIT-1350</b>	1350	Fuel Gas, LH Thread	Includes pigtails to connect manifold to header bar

Contact customer service for optional alarm, additional pigtail configurations, heaters and stainless steel version.