

# Model S9000 Automatic Changeover Manifold



Acme Model S9000 Automatic Changeover Manifolds are designed to eliminate system downtime by ensuring uninterrupted gas flow from two banks of compressed gas cylinders. They are ideal for high pressure applications in demanding environments. The S9000 manifolds' operation is similar to that of the Model S7000 manifolds, however, the S9000 manifolds are designed with an enclosure that protects the unit from the effects of a harsher environment.

## Specifications

**Maximum Inlet Pressure** .....3,000 PSIG

**Maximum Outlet Pressure** .....100 PSIG

### Connections

Inlet .....CGA

Outlet .....1/4" Tube Compression Fitting

**Gauges** .....2"

### Materials of Construction

Components ..... Brass or Stainless Steel

Seats and Seals ..... Teflon and Viton

Enclosure ..... ABS Plastic

**Enclosure Dimensions** .....10" H x 7" W x 6" D

## System Design

The **changeover regulator** incorporates two regulators within a common body and a single outlet. The design is such that with different set pressures, only one cylinder bank can be discharged at a time. The unit's **line regulator** provides downstream adjustment for final pressure delivery.

## System Operation

Once cylinders have been installed, the Changeover Manifold will first accept flow from the pre-determined primary bank. The unit's **control lever** points to the primary bank for easy identification.

When the primary bank reaches a preset low pressure, the reserve bank automatically takes over. To replace the empty cylinder bank, the operator simply turns the control lever to the opposite side to switch priority.

## Optional Equipment      Features and Benefits

- Acme Model S300 Remote Alarm Box (alarm, lights and cable)
- Explosion-proof Construction
- Isolation Valves
- Vent Valves

**Automatic Changeover** .....Ensures continuous gas service

**Modular Construction** .....Ease of mounting - even in compact spaces

**Three-foot Stainless Steel Flexhose** ...Hassle-free cylinder connections

**Line Regulator** .....Provides constant delivery pressure to point of use

**Check Valves** .....Prevent backflow

**One Lever Operation** .....Saves time when changing cylinders

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## Ordering Information

Model	Material	Total Number of Cylinders*	Options	Connection
S9000	B = Brass	2	EL = Alarm	X X X
	S = Stainless Steel	4	EX = Explosion-proof with Alarm	(Replace "XXX" with appropriate CGA number.)
		6	Blank = No Option	
		8		
		10		
		12		
		14		
		16		

Contact factory for the following options:

- I = Isolation Valve
- V = Vent Valve

## Ordering Example

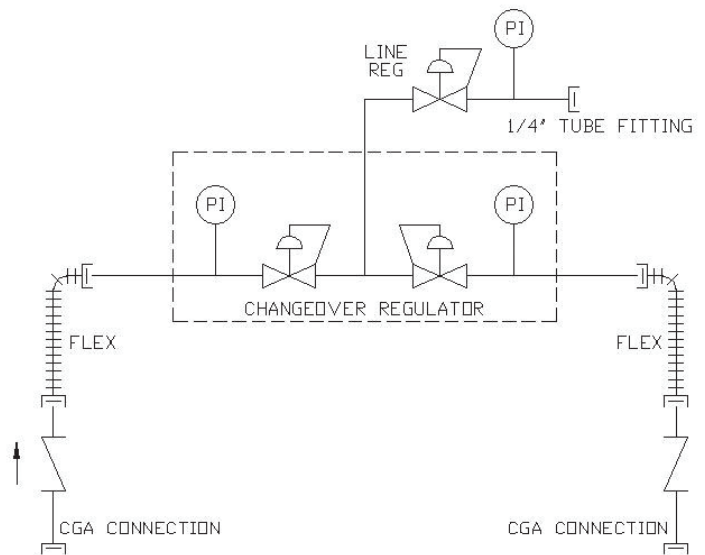
### S9000B2-EL-580 =

Model S9000 Automatic Changeover Manifold, brass for two cylinders, with alarm, equipped for inert service

\*Total number of cylinders includes primary and reserve.  
Example: 4 cylinders = 2 primary, 2 reserve.

Standard changeover systems are configured in multiples of two. Consult factory for details on special configurations.

For total number of cylinders greater than two, please specify if individual cylinder station valves are required in header.



MODEL S9000 CHANGEDOVER