

Model S7000 HP Automatic Changeover Manifold



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.

Features and Benefits

- 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 Knob Operation**Saves time when changing cylinders

Optional Equipment

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

Acme Model S7000 Automatic Changeover Manifolds are designed to eliminate system downtime by ensuring uninterrupted gas flow from two banks of compressed gas cylinders. Model S7000 manifolds are identical in function and performance to Model S9000 manifolds, however, they are not enclosed, but rather mounted to a steel panel.

Model S7000 manifolds are a more cost effective option for users who desire the performance features of the S9000 manifolds, but do not require an enclosed unit.

Specifications

Maximum Inlet Pressure3,000 PSIG

Maximum Outlet Pressure100 PSIG

Connections

InletCGA

Outlet1/4" Tube Compression Fitting

Gauges

Brass2 1/2"

Stainless Steel2"

Materials of Construction

ComponentsBrass or Stainless Steel

Seats and SealsTeflon and Viton

PanelSteel Powder Coated White

Panel Dimensions14" H x 12" W (Other sizes available. Contact factory)

System Operation

Once cylinders have been installed, the changeover manifold will first accept flow from the pre-determined primary bank. The S7000's **control knob** 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 knob to switch priority.

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Ordering Information

<u>Model</u>	<u>Material</u>	<u>Total Number of Cylinders*</u>	<u>Options</u>	<u>Connections</u>
S7000	B = Brass	2	EL = Alarm	XXX
		4	EX = Explosion-proof with Alarm	(Replace "XXX" with appropriate CGA number.)
	6	Blank = No Option		
	8	<div style="border: 1px solid black; background-color: #f9a825; padding: 10px;"> Contact factory for the following options: I = Isolation Valve V = Vent Valve </div>		
	10			
	12			
14				
16				

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

Standard changeover systems are configured in multiples of two. Contact 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.

Ordering Example

S7000B2-EL-580 =

Model S7000 Automatic Changeover Manifold, brass for two cylinders, with alarm, equipped for inert service