

AUTOMATIC SWITCHOVER SYSTEM

The BETSCO electronic switchover system controls gas delivery from two to six independent sources. Switching between cylinders or banks occurs automatically based on sensed pressure, ensuring a continuous and uninterrupted supply of gas. This automated system eliminates the need to manually reset levers or open and close valves.



The BETSCO Automatic Switchover System rack mounted with a six pack of N2 cylinders.

FEATURES AND BENEFITS

- Electronic control provides a continuous, uninterrupted flow of gas without the need for manual reset.
- Can be used to control the switch between individual cylinders or banks of cylinders.
- 304 SS Enclosure suitable for Class 1, Div. 2 Area
- Programmable switchover pressure
- Visual indication of bottle or bank status.
- Maximum inlet pressure up to 3000 PSIG.
- Alarm relay for low system pressure

OPTIONS

- Regulated output pressure
- Display of output pressure
- Rack or pole mounted
- Explosionproof design for Class 1, Div. 1 Area
- Switchover manifold can be hard piped to cylinders/banks or connected by flexible hoses.

BETSCO's Automatic Switchover System eliminates the need for manual reset. This system can be customized for your application requirements. See page 2 for specifications and available options.

CONFIGURATION

The BETSCO electronic switchover system allows for switching between 2 or 6 pressure sources. These sources can be individual cylinders or banks of cylinders.

Cylinder Switching

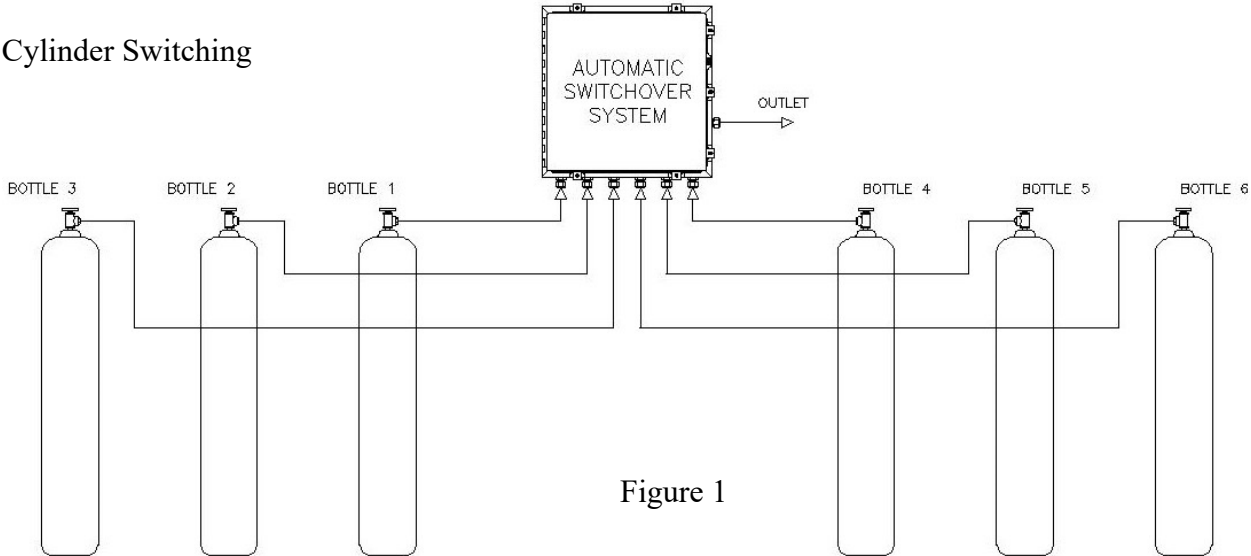


Figure 1

Bank Switching

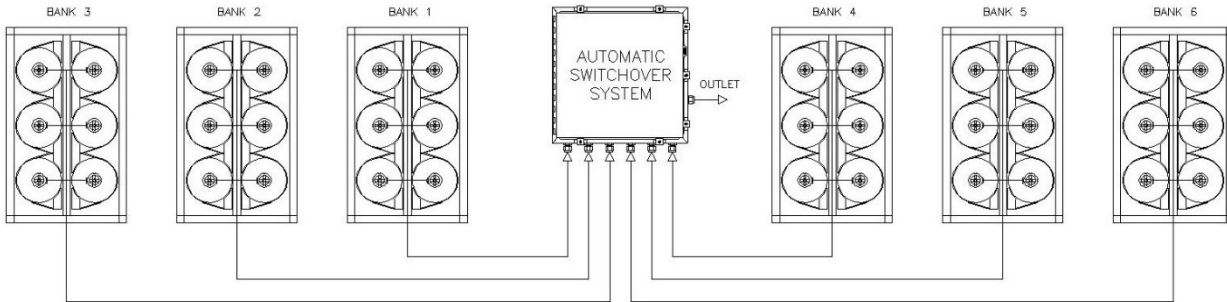


Figure 2

SPECIFICATIONS

Inlet Pressure: 3000 PSIG
 Operating Temperature: 0 °F to 140 °F
 Inlet Port: ½" FNPT
 Outlet Port: ½" FNPT
 Enclosure: 304 SS, NEMA 4X
 Power: 24 VDC
 Pressure Sensor: Transducer

Options

- Regulated output pressure
- Flex hoses with integral check valves
- Rack for 6 cylinders with holders
- Display of outlet pressure
- 1-6 relays for source pressure status
- 4-20 mA output for outlet pressure
- 12 VDC Power
- Solar Panel for 12 VDC

ORDERING INFORMATION

Model	Pressure Inputs	Regulator	Power	Display	Outputs	Manifold	Option 1	Option 2
BASS								

MODEL

BASS = BETSCO Automatic Switching System

PRESSURE INPUT (Cylinders or Banks)

2 = Two

4 = Four

6 = Six

REGULATOR

0 = None

A = 0-300 PSIG

B = 0-750 PSIG

C = 0-1500 PSIG

MANIFOLD

0 = None

1 = Tubing

2 = Flex hose

POWER

1 = 24 VDC

2 = 12 VDC

OPTION 1

0 = None

1 = Rack for 6 cylinders

DISPLAY

0 = None

1 = Output Pressure

OPTION 2

0 = None

1 = Solar Panel





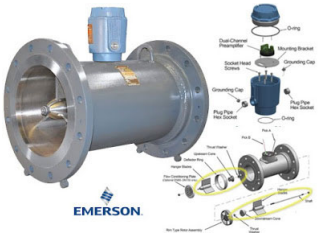



OUTPUTS

0 = None

A = Relay contact for each input status

B = 4-20 mA for output pressure

BETSCO PRODUCT DISTRIBUTION

BETSCO Pneumatic Controllers		BETSCO Automatic Switchover System	
			
Micro Motion Coriolis Meters		Rosemount Transmitters	
			
Daniel Turbine Meters	Daniel Control Valves	Daniel Ultrasonic Meters	Daniel Orifice Meters
			

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