

## 536 Series Automatic Switchover GL (Gas/Liquid) System with Brass Components



### Advanced Features:

- 400 Series Brass System Components and Capsule® seat
- Metal to Metal seal eliminates the possibility of gas contamination.
- Integral Line Regulator provides stable line pressure during change over
- Variable Line Pressure allows line pressure change on site
- User-Friendly Priority Valve allows one knob switch to switch cylinder priority

Integral Manifold System allows for easy installation

### DCG's Spec-Brief™

Consult the following Spec's for related  
Application:

SB-111 405 Series High Purity Brass Line Regulator  
SB-132 CGA Fittings

DCG's 536 Series AutoSwitch GL (Gas/ Liquid) is a continuous gas delivery system for high purity gas service that automatically changes cylinder or bank priority from a cryogenic source to a reserve bank of high pressure cylinders without transmitting pressure fluctuations to the use line.

### Remote Alarm

Provides audible and visible notification of cylinder depletion, single remote alarm can monitor and power up to four Autoswitches.

- ❖ Intrinsic Safety Barriers allow for safe use with flammable gases or in hazardous areas (Class 1, division 1, groups A, B, C or D)
- ❖ Slave Alarm provides three additional alarms provide audible and visible alerts
- ❖ Telephone Dialer notifies multiple off-site locations of the need to change depleted cylinders
- ❖ Computer Interface allows for up to 12 channels of information available through analog and digital (RS-232) interfaces

| 536        | A  | B   | C   | D  | <CON>  |
|------------|--|---|---|--|--|
| Series 536 | Outlet Pressure<br>2: 0-50 PSIG<br>3: 0-100 PSIG | Liquid Cylinders (Primary)<br>0: No Inlet Connection<br>1: One Cylinder*<br>2: Two Cylinders†<br>3: Three Cylinders†<br>4: Four Cylinders†<br><br>* Includes 36" flexible pigtail and diaphragm valve<br><br>†Each manifold header includes 36" flexible pigtail, manifold extensions and mounting hardware | Cylinders/Side<br>0: No Inlet Connection<br>1: One Cylinder*<br>2: Two Cylinders†<br>3: Three Cylinders†<br>4: Four Cylinders†<br>5: Five Cylinders†<br>6: Six Cylinders†<br><br>*Includes 36" flexible pigtail and diaphragm valve<br><br>†Each manifold header includes 36" flexible pigtail, manifold extensions and mounting hardware | Assembly<br>1: Without Alarm Capability<br>2: With Alarm Capability*<br><br>*Intrinsic safety barriers are required for flammable gas service or for use in hazardous environments | Pigtail<br><br>Please Specify Inlet connection (if applicable)<br><br>CGA<br>DIN 477<br>BS 341<br>and others available |

### Related Options:

- ❖ 0-4000 BAR/PSI\* with Pressure Switches and 110V Remote Control
- ❖ 0-4000 Bar/PSI\* with Pressure Switches and 220V Remote Alarm
- ❖ 0-600 BAR/PSI Gauges with no alarm capability
- ❖ 0-600 Bar/PSI\* with Pressure Switches and 110V Remote Alarm
- ❖ 0600 Bar/PSI\* with Pressure switches and 220V Remote Alarm
- ❖ 0-4000 Bar/PSI\* with Pressure Switches and without Remote Alarm

\*0-6000 PSI gauges with 4500 PSIG max inlet option

†Intrinsic safety barriers for flammable gas service or for use in hazardous environments

### Specifications:

Maximum inlet pressure: 3000 PSIG (210 Bar)  
 Temperature range: -40°F to 140°F (-40°C to 60°C)  
 Maximum Flow (100 PSIG): 600 scfh (283 lpm)  
 Inlet Connection (Enclosure): ½" FPT  
 Outlet Connection: ¼" stainless steel compression tube  
 Helium leak integrity: 1  
 Weight 40 lbs. (18kg)

### Materials of Construction:

**Priority Valve:** Brass barstock

**Line Regulator:** Brass barstock

**Diaphragms:** 316L stainless steel

**Enclosure:** Acrylic powder-coated steel

**Tubing and Fittings:** 316 stainless steel

**Internal Seats and Seals:** PTFE

**Pressure Gauges and Switches:** Brass, Bronze & Stainless Steel

**Check Valves:** 316L Stainless Steel with Viton® seals



The above information was provided to DCG by the product manufacturer. DCG makes no additional warranties or representations