

## 537 Series Automatic Switchover GL (Gas/Liquid) System with Stainless Steel 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-114 425 Series Stainless Steel Regulator  
SB-132 CGA Fitting

DCG's 537 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, one Advantium 8 remote alarm can monitor and power up to four switchover stations.

- ❖ Intrinsic Safety Barriers allow for safe use with flammable gases or in hazardous areas (Class 1, division 1, groups A, B, C or D)
- ❖ 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

537	A	B	C	D	CON
Series	Outlet Pressure	Liquid Cylinders (Primary)	Cylinders/Side	Assembly	Pigtail
537	(Priority Right/Left)  2: 0-50 PSIG 3: 0-100 PSIG	0: No Inlet Connection 1: One Cylinder* 2: Two Cylinders^ 3: Three Cylinders^ 4: Four Cylinders^  * Includes 36" flexible pigtail & diaphragm valve  ^Each manifold header includes 36" flexible pigtail, manifold extensions and mounting hardware.	0: No Inlet Connection 1: One Cylinder* 2: Two Cylinder^ 3: Three Cylinder^ 4: Four Cylinder^ 5: Five Cylinder^ 6: Six Cylinder^  *Includes 36" flexible pigtail and diaphragm valve  ^Each manifold header includes 36" flexible pigtail, manifold extensions and mounting hardware	1: Without Alarm Capability 2: With Alarm Capability*  *Intrinsic safety barriers are required for flammable gas service or for use in hazardous environments	Please specify Inlet connection (If Applicable)  CGA DIN 477 BS 341 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

### Materials of Construction:

Priority Valve: 316L Stainless Steel barstock  
 Line Regulator: Stainless Steel 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: 316L Stainless Steel  
 Check Valves: 316L Stainless Steel with Viton® seals

Check Valves: Brass with Viton® seals

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

