

## 537 Series Automatic Switchover GL (Gas/Liquid) System with Stainless Steel Components



The 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.

### Advanced Features

- 400 Series 316L Stainless Components and Capsule<sup>®</sup> seat
- Metal to Metal seals 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
- Preset Switching Pressure prevents tampering or adjustment
- Integral Manifold System allows for easy installation

### Remote Alarm

Provides audible and visible notification of cylinder depletion, single remote alarm can monitor and power up to four 522 and or 523 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 that 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

### Materials of construction:

Priority Valve: 316L stainless steel barstock

Line Regulator: 316L 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: 316 stainless steel

Check Valves: 316 stainless steel with Viton<sup>®</sup> seal

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Chromatographic Reference Materials



## 537 Series Automatic Switchover GL (Gas/Liquid) System with Stainless Steel Components (continued)

### 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 x 10<sup>-8</sup> scc/sec  
 Weight: 40 lbs. (18kg)

### Ordering Information

537	A	B	C	D	-CON
Series 537	Outlet Pressure 2: 0-50 PSIG 3: 0-100 PSIG	Liquid Cylinders (Primary) 0: No Inlet Connection 1: One Cylinder* 2: Two Cylinders† 3: Three Cylinders† 4: Four Cylinders†  *Includes 36" flexible pigtail and diaphragm valve  †Each manifold header includes 36" flexible pigtail, manifold extensions and mounting hardware	Cylinders/Side 0: No Inlet Connection 1: One Cylinder* 2: Two Cylinders† 3: Three Cylinders† 4: Four Cylinders† 5: Five Cylinders† 6: Six Cylinders†  *Includes 36" flexible pigtail and diaphragm valve  †Each manifold header includes 36" flexible pigtail, manifold extensions and mounting hardware	Assembly 1: Without Alarm Capability 2: With Alarm Capability*  *Intrinsic safety barriers are required for flammable gas service or for use in hazardous environments	Pigtail  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 Alarm
- 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
- 0-600 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

Capsule® is a registered trademark of Controls Corporation of America.

Viton® is a registered trademark of E. I. Dupont de Nemours & Co.

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

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