

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[®] 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[®] 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 10⁻⁸ 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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