

# 537 Series AutoSwitch GL

*Automatic  
Switchover System*

*Liquid Primary  
with High Pressure  
Reserve*

*316L Stainless Steel  
Components*

The 537 AutoSwitch GL 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.



537-3004 shown

## Advanced Features

- *400 Series 316L Stainless Components*  
Capsule® seat
- *Metal to metal seals*  
No possibility of gas contamination
- *Integral Line Regulator*  
Stable line pressure during change over
- *Variable Line Pressure*  
Line pressure changeable on site
- *Preset Switching Pressure*  
Prevents tampering or adjustment
- *Integral Manifold System*  
Easy installation

## Remote Alarm

Providing audible and visible notification of cylinder depletion, one Advantium 8 remote alarm can monitor and power up to four switchover stations.

### *Intrinsic Safety Barriers*

Safe use with flammable gases or in hazardous areas (class 1, division 1, group A, B, C or D)

### *Relay Output*

Easy integration with other alarm systems

### *Telephone Dialer*

Notify multiple off-site locations of the need to change depleted cylinders

### *Computer Interface*

Serial communication through RS-232 port

## Materials

### *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

## Specifications

### *Maximum Inlet Pressure*

3000 PSIG (210 BAR)

### *Temperature Range*

-40°F to 140°F (-40°C to 60°C)

### *Maximum Flow (100 PSIG)*

400 scfh (190 lpm)

### *Inlet Connection*

½" FPT

### *Outlet Connection*

¼" stainless steel compression tube

### *Helium Leak Integrity*

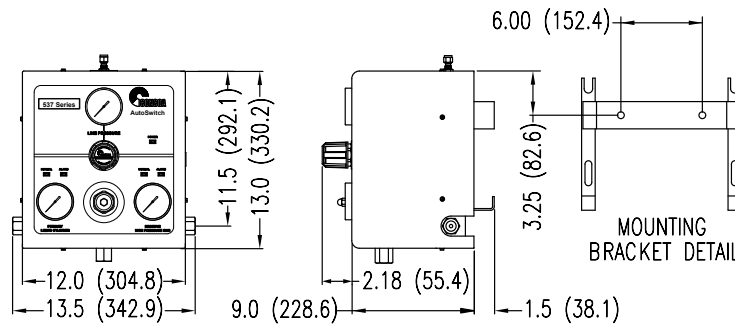
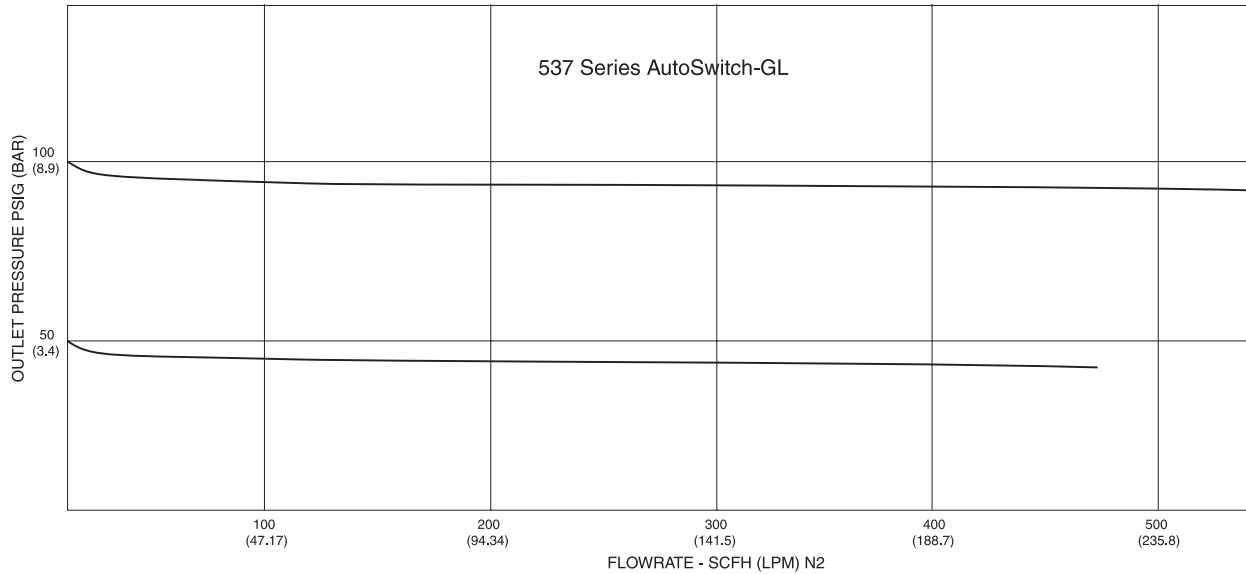
1 x 10<sup>-8</sup> scc/sec

### *Weight*

40 lbs. (18 kg)

See page 26 for manifold specifications

# Flow Performance Curves



## Ordering Information *(For information about how to use this table please see page 4.)*

537	A	B	C	D	-CON
Series 537	<b>Outlet Pressure</b> 2: 0-50 PSIG 3: 0-100 PSIG	<b>Liquid Cylinders (Primary)</b> 0: No Inlet Connection 1: One Cylinder* 2: Two Cylinders† 3: Three Cylinders† 4: Four Cylinders†  <i>* Includes 36" flexible pigtail and diaphragm valve</i>  <i>† Each manifold header includes 36" flexible pigtail, manifold extensions and mounting hardware</i>	<b>High Pressure (Reserve)</b> 0: No Inlet Connection 1: One Cylinder* 2: Two Cylinders† 3: Three Cylinders† 4: Four Cylinders† 5: Five Cylinders† 6: Six Cylinders†  <i>* Includes 24" flexible pigtail and diaphragm valve</i>  <i>† Each manifold header includes 24" flexible pigtail, manifold extensions and mounting hardware</i>	<b>Assembly</b> 1: Without Alarm Capability 4: With Alarm Capability* (Alarm Sold Separately)  <i>*Intrinsic safety barriers are required for flammable gas service or for use in hazardous environments.</i>	<b>Pigtail</b> Please specify inlet connection (if applicable)  CGA DIN 477 BS 341 and others available
<b>Related Options</b>	See Pages 24 and 25 for Alarm Options				