



Pressure Differential Switchovers

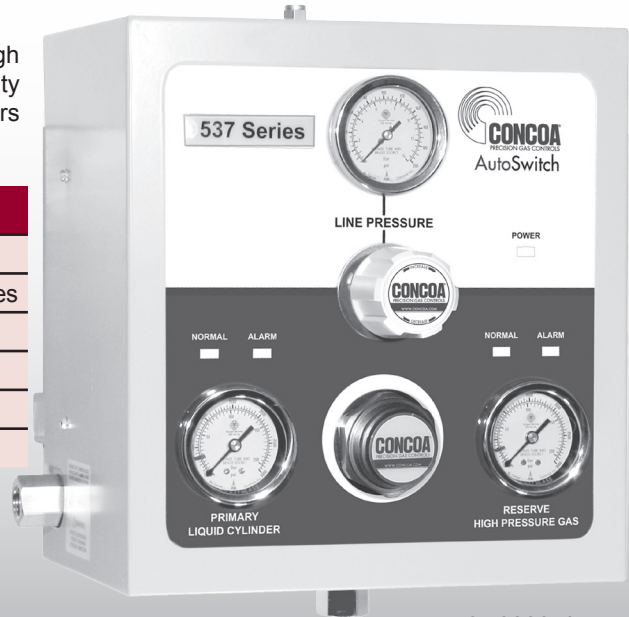
537 SERIES

AutoSwitch GL

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 sources to a reserve bank of high pressure cylinders without transmitting pressure fluctuations to the use line.

Typical Applications

- Primary cryogenic high purity gas supply
- Inductively Coupled Plasma (ICP) and ICP mass spec support gases
- Incubator Carbon Dioxide and Nitrogen central supply system
- Pure cryogenic process gas supply
- Modified Atmosphere Packaging (MAP)
- Pharmaceutical gas supply



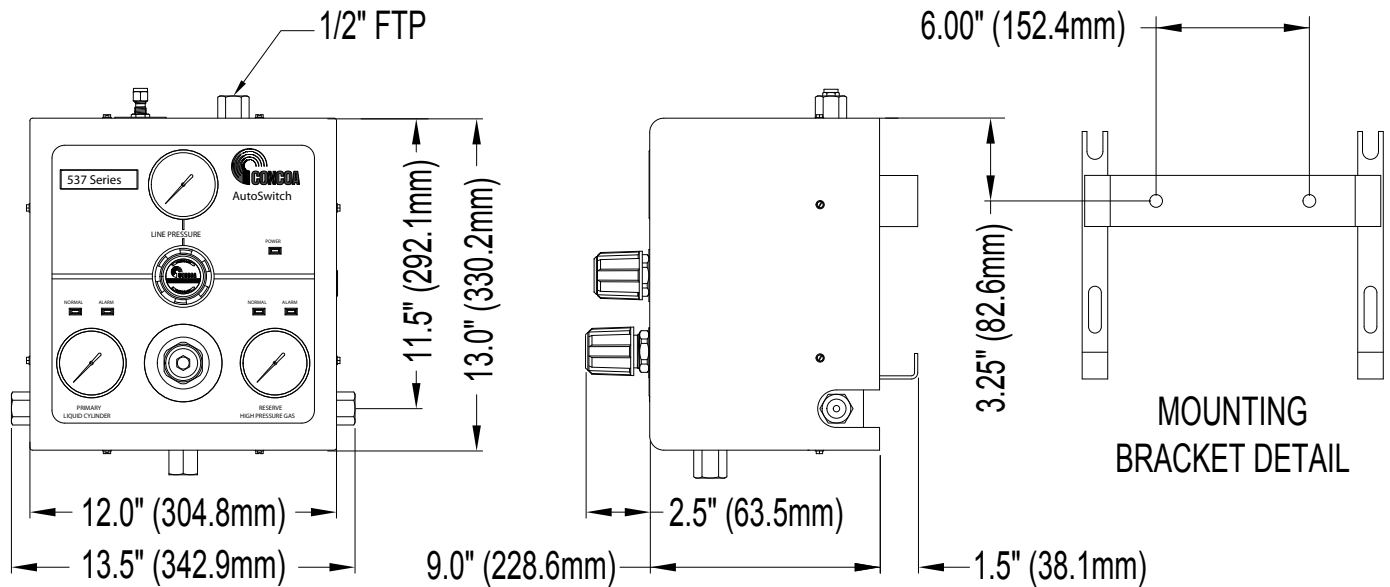
537 3000 shown

Features	Materials	Specifications
<p>400 Series 316L Stainless Components CAPSULE® seat</p> <p>Metal to Metal Seals No possibility of gas contamination</p> <p>Integral Line Regulator Stable line pressure during change over</p> <p>Variable Line Pressure Line pressure changeable on site</p> <p>Preset Switching Pressure Prevents tampering or adjustment</p> <p>Integral Manifold System Easy installation</p> <p>Optional Alarms Advantium 8 Monitors Up to 4 Systems Advantium 2 PLUS Monitors 1 System</p> <p>Intrinsic Safety Barriers For use in Hazardous Areas Class 1, Div. 1, Group A, B, C, or D</p>	<p>Priority Valve 316L stainless steel barstock</p> <p>Line Regulator 316L stainless steel barstock</p> <p>Diaphragms 316L stainless steel</p> <p>Enclosure Acrylic powder-coated steel</p> <p>Tubing and Fittings 316L stainless steel</p> <p>Internal Seats and Seals PTFE</p> <p>Pressure Gauges and Switches 316L stainless steel</p> <p>Check Valves 316L stainless steel with Viton® seal</p>	<p>Maximum Inlet Pressure 3000 PSIG (210 BAR)</p> <p>Temperature Range -40°F to 140°F (-40°C to 60°C)</p> <p>Maximum Flow at 100 PSIG (7 BAR) 400 SCFH (190 LPM)</p> <p>Cv 0.1</p> <p>Inlet Connection 1/2" FPT</p> <p>Outlet Connection 1/4" stainless steel compression tube</p> <p>Relief Valve Outlet 1/2" FPT</p> <p>Helium Leak Integrity 1 x 10⁻⁸ scc/sec</p> <p>Weight 40 lbs. (18 kg)</p>

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Installation Information



Ordering Information

537	A	B	C	D	-CON
Series 537	Outlet Pressure	Liquid Cylinders (Primary)	High Pressure (Reserve)	Assembly	Hose
	2: 0-50 PSIG (0-3.5 BAR)	0: No inlet connection	0: No inlet connection	1: Without alarm capability	Please specify inlet connection (if applicable)
	3: 0-100 PSIG (0-7 BAR)	1: One cylinder*	1: One cylinder*	4: With alarm capability* (alarm sold separately)	
	7: 0-150 PSIG (0-10 BAR)	2: Two cylinders†	2: Two cylinders†	<i>*Intrinsic safety barriers are required for use in hazardous environments.</i>	CGA DIN 477 BS 341 and others available
		3: Three cylinders†	3: Three cylinders†		
		4: Four cylinders†	4: Four cylinders†		
		5: Five cylinders†	5: Five cylinders†		
		6: Six cylinders†	6: Six cylinders†		
		<i>*Includes 36" (900mm) flexible hose and diaphragm valve</i>	<i>*Includes 36" (900mm) flexible hose and diaphragm valve</i>		
		<i>†Each manifold header includes 36" (900mm) flexible hose, manifold extensions and mounting hardware</i>	<i>†Each manifold header includes 24" (600mm) flexible hose, manifold extensions and mounting hardware</i>		

Related Options

Option	Order Number	Description
Remote Alarm	Advantium Series	Provides audible and visible notification of a depleted supply bank to a remote location