

Gas Switchover Systems



637 Series AutoSwitch GL



The 637 Series AutoSwitch system permits a high pressure reserve for a primary liquid cylinder or bank of liquid cylinders. Visible alarms on the enclosure or an optional remote alarm signal the need to replenish the liquid cylinder.

Advanced Features

- **Liquid Primary High Pressure Reserve**
Lowers operating cost
- **Balanced Main Valve**
High flow capacity
- **Integral Line Regulator**
Stable line pressure during change over
- **Integral Manifold System**
Easy installation

Applications

- GMAW and GTAW Hybrid Welding**
Continuous supply of argon or argon mixtures used as shielding gases
- Blanketing Applications**
Constant pressure and flow in nitrogen control of atmospheres
- Oxy-Fuel Applications**
Supply oxygen to multiple torches for cutting or heating
- Argon Shielding Gas**
Liquid primary/High pressure reserve

Materials

- Switchover Valve and Line Regulator**
Brass barstock
- Diaphragms**
Fabric-reinforced neoprene
- Enclosure**
Acrylic powder-coated steel
- Tubing and Fittings**
316 stainless steel, brass and copper
- Internal Seals**
PTFE
- Seats**
Neoprene, PTFE and Viton®
- Pressure Gauges and Switches**
Brass, bronze, stainless steel and copper
- Check Valves**
Brass with Viton® seals

Specifications

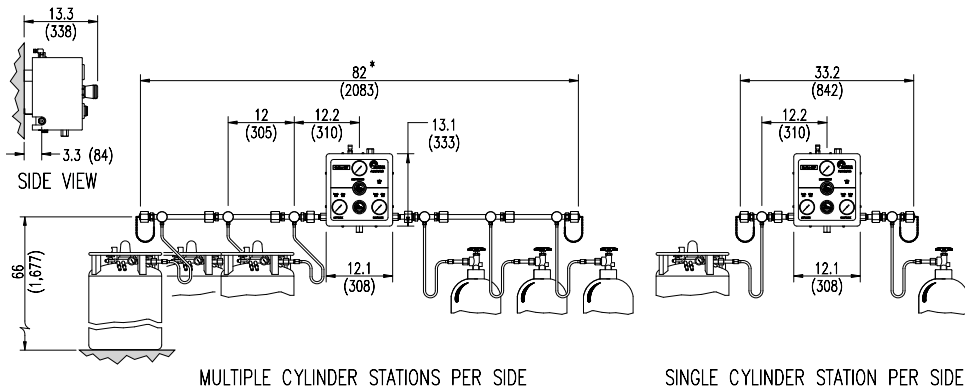
- Maximum Inlet Pressure**
3000 PSIG (210 BAR)
- Temperature Range**
-40 to 140°F (-40 to 60°C)
- Maximum Flow***
1500 - 5000 SCFH
- Inlet Connection (Enclosure)**
1/2" FPT
- Outlet Connection**
1/2" FPT
- Weight**
54 lbs. (25 kg)

**Limited by supply source*

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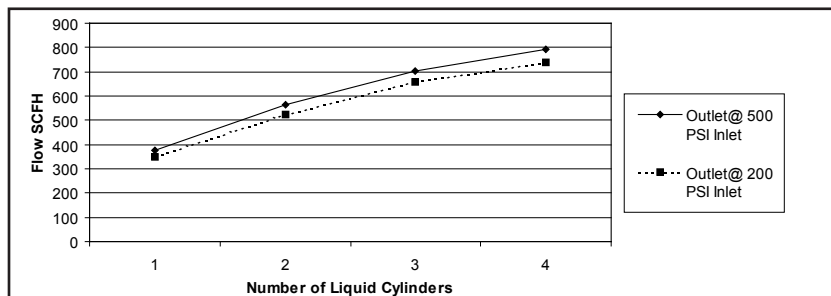


Mounting and Dimensional Information for the 637 Series AutoSwitch



* ADD OR SUBTRACT 12" (305 mm) FOR EACH CYLINDER STATION ADDED TO OR SUBTRACTED FROM THE TYPICAL 3 CYLINDERS PER SIDE ASSEMBLY SHOWN.

Flow Performance Curves for the 637 Series AutoSwitch



Ordering Information

Series	A Outlet Pressure	B Liquid Cylinders (Primary)	C High Pressure Cylinders (Reserve)	D Manifold Mounting Options	E -CGA	F Options
637		0: Zero Cylinders				Please specify inlet connection (if applicable) PTFE-lined pigtails for oxygen service include accumulator extensions to prevent ignition from adiabatic compression. Not for use with Helium or Hydrogen.
		1: One Cylinder	1: One Cylinder	1: Wall Mount		
	2: 0-40 PSIG	2: Two Cylinders	2: Two Cylinders	2: Floor Stands		
	3: 0-100 PSIG	3: Three Cylinders	3: Three Cylinders			
		4: Four Cylinders	4: Four Cylinders			
			5: Five Cylinders			
			6: Six Cylinders			
	7: 0-150 PSIG		7: Seven Cylinders			
			8: Eight Cylinders			
			9: Nine Cylinders			

Related Options

Option	Order Number	Description
Remote Alarm	Advantium Series	Provides audible and visual notification of a depleted supply bank to a remote location (See page 45)
Cryogenic Manifold	630 Series	Portable or wall mountable liquid withdrawal manifold (See page 32)