

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

350 PSIG Liquid Cylinder Primary with High-pressure Reserve
Lowers operating cost

Balanced Main Valve
High-flow capacity

Integral Line Regulator
Stable line pressure during changeover

Integral Manifold System
Easy installation



Applications

MIG and TIG 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 and Neoprene

Seats

Neoprene, PTFE, and Viton®

Pressure Gauges and Switches

Brass, bronze, stainless steel, and copper

Check Valves

Brass with Buna-N or Neoprene seals

Hose Core

PTFE

Hose Fittings

Brass

Hose Casing

Stainless steel braid

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)

Temperature Range

-40 to 140°F (-40 to 60°C)

Maximum Flow*

1500 - 5000 SCFH (2360 LPM)

Mechanical Connections

½" FNPT inlet and outlet

Weight

54 lbs. (25 kg)

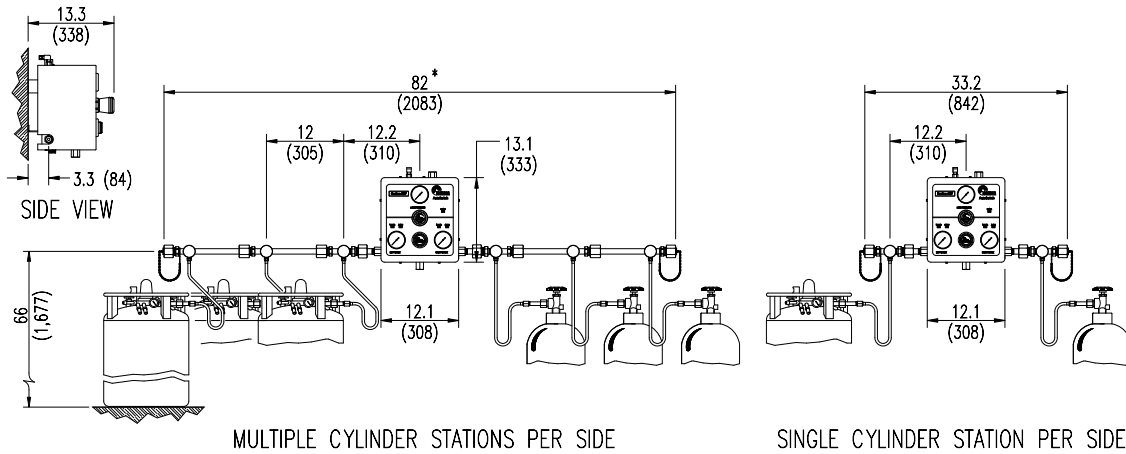
**Limited by supply source*

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Installation Dimensions

DISTRIBUTION SYSTEMS



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

Ordering Information					
Series	Outlet Pressure (Minimum Inlet Pressure)	Liquid Cylinders (Primary)	High-pressure Cylinders (Reserve)	Manifold Mounting Options	-Gas Service
637	2: 0-40 PSIG (0-2 BAR) 145 PSIG (10 BAR)	0: No Cylinders	1: One Cylinder	1: Wall Mount	320: Carbon dioxide 540: Oxygen 580: Inert PTFE-lined hoses for Oxygen service include accumulator extensions to prevent ignition from adiabatic compression.
	3: 0-100 PSIG (0-7 BAR) 145 PSIG (10 BAR)	1: One Cylinder	2: Two Cylinders	2: Floor Stands	
	7: 0-150 PSIG (0-10 BAR) 240 PSIG (17 BAR)	2: Two Cylinders	3: Three Cylinders		
		3: Three Cylinders	4: Four Cylinders		
		4: Four Cylinders	5: Five Cylinders		
			6: Six Cylinders		
			7: Seven Cylinders		
			8: Eight Cylinders		
			9: Nine Cylinders		

Related Options

Part Number	Option	Description
575 0025-01-000	Altos 2 Alarm	Provides audible and visible notification of a depleted supply bank to a remote location (See page 46)