

GAS SWITCHOVER SYSTEMS



636 SERIES AUTO SWITCH HF

The 636 Series AutoSwitch provides a continuous supply of nonflammable industrial gases at a constant delivery pressure from two high-pressure banks. Pressure switches enable visual alarms and an optional remote alarm to notify the user of the need to replenish a depleted bank.

Advanced Features

Alarm Capable

Alert remote users of low pressure conditions

High-flow Capacity

Suitable in a wide variety of industrial applications

Automatic Pressure Differential

Fail-safe operation

Integral Line Regulator

Stable line pressure during changeover

User-Friendly Priority Valve

One knob switches cylinder priority

Integral Manifold System

Easy installation



Applications

Purging Systems

Large capacity flow to remove contaminants

Argon or Helium Shielding Gas

High-pressure source

Materials

Priority Valve and Line Regulator

Brass barstock

Diaphragms

Fabric-reinforced neoprene

Enclosure

Powder-coated steel

Tubing and Fittings

316 stainless steel, brass, and copper

Internal Seals

Neoprene, PTFE, and Viton®

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

Stainless steel
PTFE
Rigid copper

Hose Fittings

Brass

Hose Casing

Armored stainless steel
Stainless steel braid

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)

Temperature Range

-40 to 140°F (-40 to 60°C)

Maximum Flow

6000 SCFH (2830 LPM)

Mechanical Connections

1/2" FNPT inlet and outlet

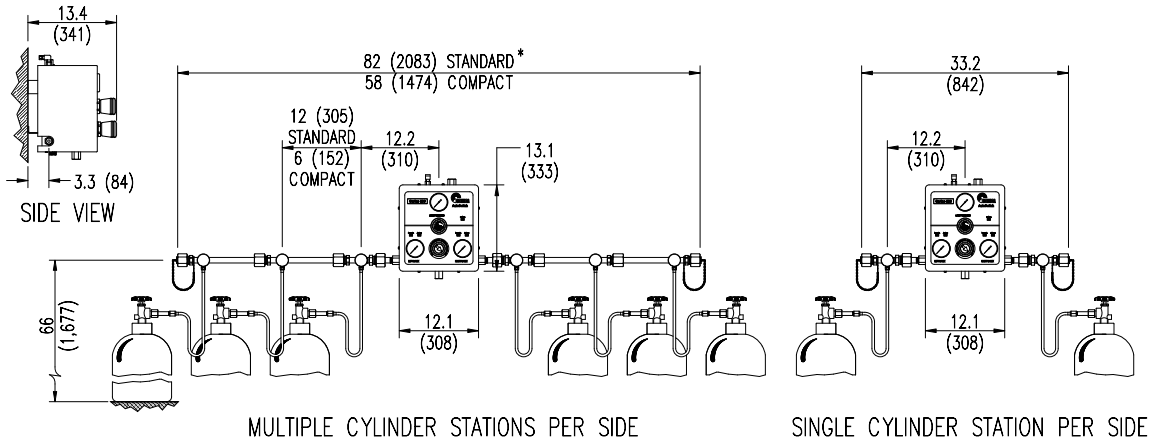
Weight

54 lbs. (25 kg)

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Installation Dimensions



DISTRIBUTION SYSTEMS

Ordering Information

Series	Outlet Pressure	Manifold Style	Hose Style	Stations/Side	-Cylinder Connection	Options	
636	1: 0-15 PSIG (0-1 BAR)	1: Standard Length (12" between stations) with One Cylinder/Station	2: 24" Rigid Copper	0: Zero	Please specify inlet connection (if applicable.) PTFE-lined hoses for Oxygen service include accumulator extensions to prevent ignition from adiabatic compression. PTFE-lined hoses not for use with Helium or Hydrogen. Intrinsic Safety Barrier included with CGA 350.	H: 120V Heater	
	2: 0-40 PSIG (0-3 BAR)	3: Standard Length (12" between stations) with Two Cylinders/Station	3: 72" Flexible Stainless Steel Armor Case with Stainless Steel Core	1: One Station		C: Foreign Inlets Carbon Dioxide & Inert	
	3: 0-120 PSIG (0-9 BAR)	4: Compact Length (6" between stations) with One Cylinder/Station	4: 24" Flexible Stainless Steel Braided with PTFE Core	4: 24" Flexible Stainless Steel Braided with PTFE Core		2: Two Stations	R: Foreign Inlets Air, Hydrogen, Oxygen, Oxygen Mix
		6: Compact Length (6" between stations) with Two Cylinders/Station	5: 36" Flexible Stainless Steel Armor Case with Stainless Steel Core	5: 36" Flexible Stainless Steel Braided with PTFE Core		3: Three Stations	
			6: 36" Flexible Stainless Steel Braided with PTFE Core	6: 36" Flexible Stainless Steel Braided with PTFE Core		4: Four Stations	
			7: 24" Flexible Stainless Steel Armor Case with Stainless Steel Core	7: 24" Flexible Stainless Steel Braided with PTFE Core		5: Five Stations	
			9: 72" Flexible Stainless Steel Braided with PTFE Core			6: Six Stations	
						7: Seven Stations	
						8: Eight Stations	
				9: Nine Stations			

Related Options

Part Number	Option	Description
575 0025-01-000	Altos 2 Alarm	Provides real-time cylinder pressure, audible and visual notification of a depleted supply bank to a remote location. (See page 46 for full list of options)
830 7437	Manifold Floor Stand	Supports two standard length (12") manifold extensions installed consecutively
830 7439	AutoSwitch Floor Stand	Supports AutoSwitch enclosure
529 5296	Intrinsic Safety	Must be added if alarm is used with flammable gases