

GAS SWITCHOVER SYSTEMS



635 SERIES AUTO SWITCH HF

The 635 Series pressure differential switchover assures an uninterrupted supply of process gas from the primary and reserve banks. The ultra high-flow system maintains a constant delivery pressure via the integral line regulator. The 635 has 1/2" FNPT ports to ensure maximum flow capacity. The non-electric design makes the 635 a good value for industrial applications.

Advanced Features

High-pressure Primary & Reserve Cylinders

Excellent flow capacity

Automatic Pressure Differential

Fail-safe operation

Balanced Main Valve

High-flow capacity

Integral Line Regulator

Stable line pressure during changeover

User-Friendly Priority Valve

One knob switches cylinder priority

Integral Manifold System

Easy installation



Applications

Ceramic Polishing

Uninterrupted supply of Hydrogen

Annealing

Large capacity flow for Nitrogen, Hydrogen, and mixtures

Fuel Gases

Safely supply fuel gases for cutting, heating or welding with OSHA regulation-compliant manifold systems

Materials

Priority 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

Neoprene, PTFE, and Viton®

Seats

Neoprene, PTFE, and Viton®

Check Valves

Brass with Buna-N or Viton 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

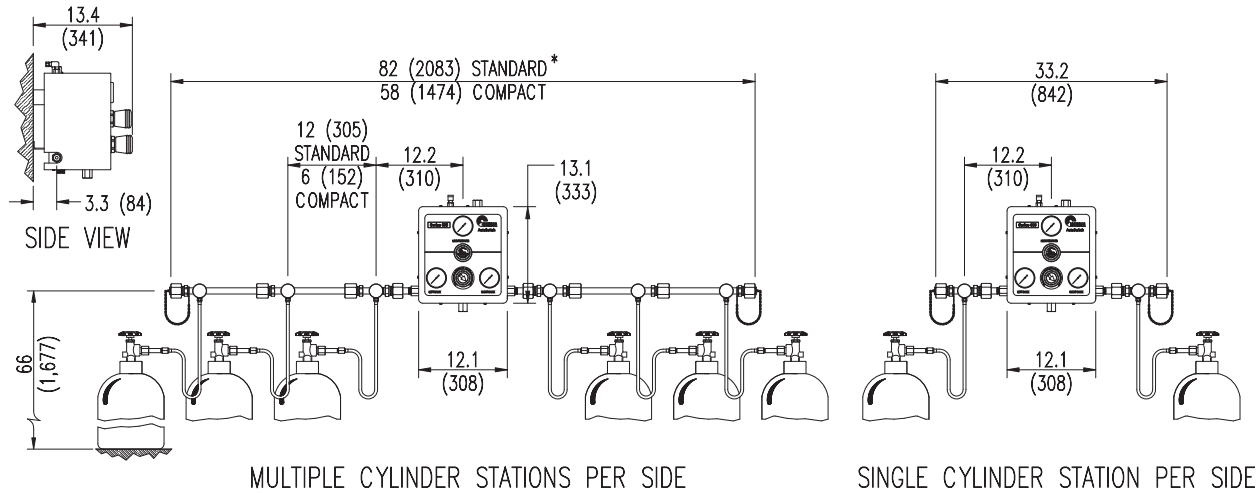
Weight

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
635	1: 0-15 PSIG (0-1 BAR)	0: ½" FNPT	2: 24" Rigid Copper	0: Zero	Please specify inlet connection (if applicable)	H: 120V Heater C: Foreign Inlets Carbon Dioxide & Inert R: Foreign Inlets Air, Hydrogen, Oxygen, Oxygen Mix
	2: 0-40 PSIG (0-3 BAR)	1: Standard Length (12" between stations) with One Cylinder/Station)	3: 72" Flexible Stainless Steel Armor Case with Stainless Steel Core	1: One Station		
	3: 0-120 PSIG (0-9 BAR)	3: Standard Length (12" between stations) with Two Cylinders/Station)	4: 24" Flexible Stainless Steel Braided with PTFE Core	2: Two Stations		
		4: Compact Length (6" between stations) with One Cylinder/Station)	5: 36" Flexible Stainless Steel Armor Case with Stainless Steel Core	3: Three Stations		
		6: Compact Length (6" between stations) with Two Cylinders/Station)	6: 36" Flexible Stainless Steel Braided with PTFE Core	4: Four Stations		
			7: 24" Flexible Stainless Steel Armor Case with Stainless Steel 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
830 7437	Manifold Floor Stand	Supports 2 standard length (12") manifold extensions installed consecutively
830 7439	AutoSwitch Floor Stand	Supports AutoSwitch enclosure