

# 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

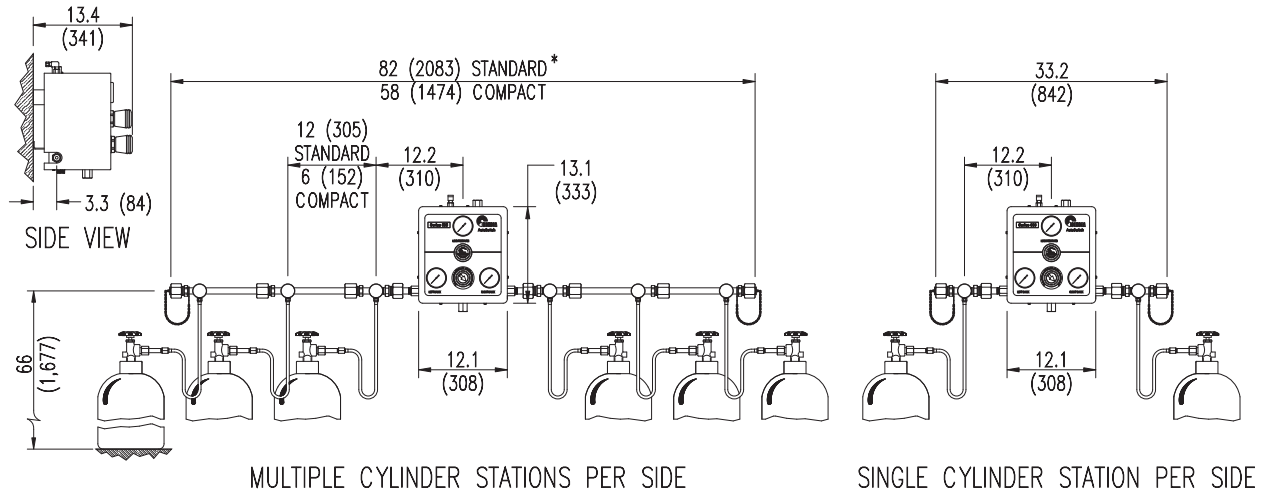
#### Weight

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)  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.	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