

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

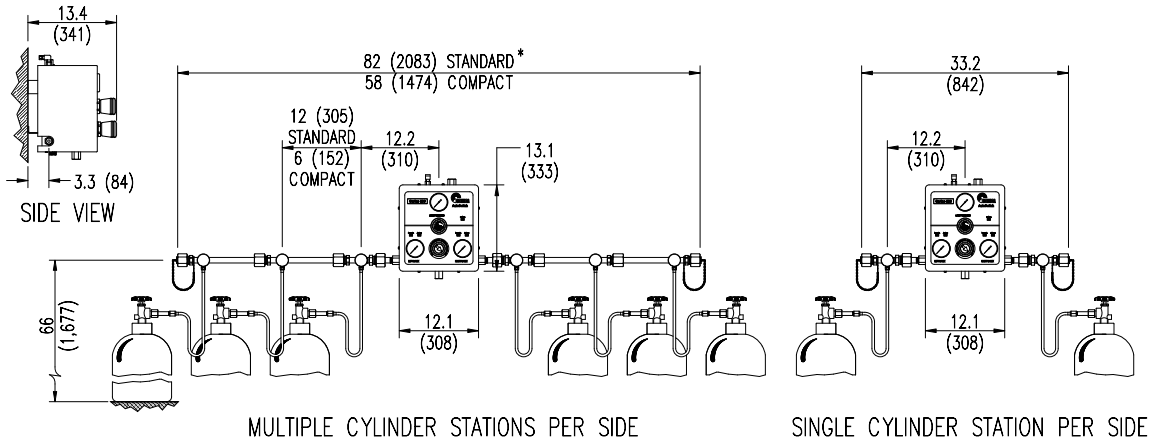
Weight

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 | 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 | 3: Three Stations | | |
| | | | 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 |
|-----------------|------------------------|--|
| 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 |