

GAS SWITCHOVER SYSTEMS



636 Series AutoSwitch 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**
- **High Pressure Primary & Reserve Cylinders**
- **Automatic Pressure Differential**
- **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

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

Acrylic powder-coated steel

Tubing and Fittings

316 stainless steel, brass, and copper

Internal Seals

PTFE

Seats

Neoprene, PTFE, and Viton®

Pressure Gauges and Switches

Brass, bronze, stainless steel, and copper

Check Valves

Brass with Viton® seals

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)

Temperature Range

-40 to 140°F (-40 to 60°C)

Maximum Flow

6000 SCFH (2830 lpm)

Inlet Connection (Enclosure)

1/2" FPT

Outlet Connection

1/2" FPT

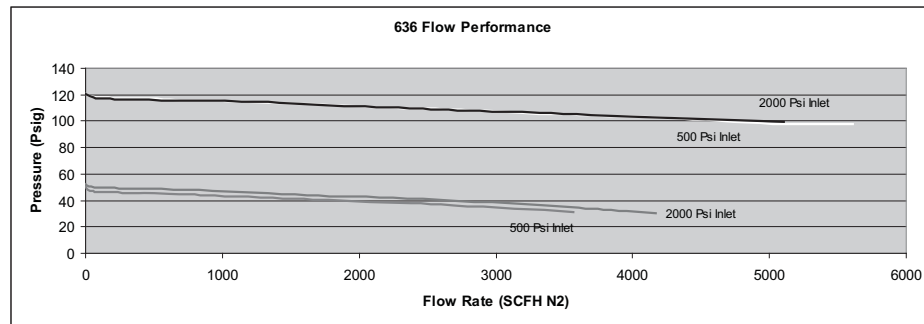
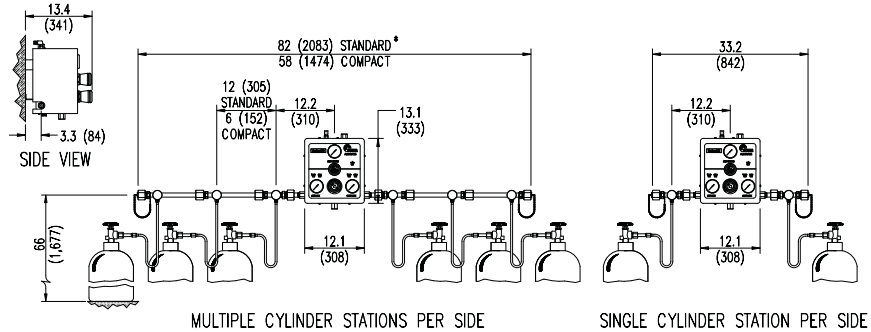
Weight

54 lbs. (25 kg)

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PRECISION GAS CONTROLS

Mounting and Dimensional Information for the 636 Series AutoSwitch



Ordering Information

| A | B | C | D | E | F |
|------------------------|---|--|-------------------|--|--|
| Series Outlet Pressure | Manifold Style | Pigtail Style | Stations/Side | Cylinder Conn. | Options |
| 636 | | | 0: Zero | Please specify inlet connection (if applicable.) | H: 120V Heater |
| 1: 0-15 PSIG | 1: Standard Length (12" between stations) with One Cylinder/Station | | 1: One Station | | C: Foreign Inlets CO ₂ & Inert |
| 2: 0-40 PSIG | | 2: 24" Rigid Copper | 2: Two Stations | PTFE-lined pigtails for oxygen service include accumulator extensions to prevent ignition from adiabatic compression. Not for use with Helium or Hydrogen. | R: Foreign Inlets Ar, H ₂ , O ₂ , O ₂ Mix |
| 3: 0-120 PSIG | 3: Standard Length (12" between stations) with 2 Cylinders/Station | 3: 72" Flexible Stainless Steel Armor Case with Stainless Steel Core | 3: Three Stations | | |
| | 4: Compact Length (6" between stations) with One Cylinder/Station | 4: 24" Flexible Stainless Steel braided with PTFE lining | 4: Four Stations | | |
| | | 5: 36" Flexible Stainless Steel Armor Case with Stainless Steel Core | 5: Five Stations | | |
| | 6: Compact Length (6" between stations) with 2 Cylinders/Station | 6: 36" Flexible Stainless Steel braided with PTFE lining | 6: Six Stations | | |
| | | 7: 24" Flexible Stainless Steel Armor Case with Stainless Steel Core | 7: Seven Stations | | |
| | | | 8: Eight Stations | Intrinsic Safety Barrier included with CGA 350. | |
| | | 9: 72" Flexible Stainless Steel-braided with PTFE lining | 9: Nine Stations | | |

Related Options

| Option | Order Number | Description |
|------------------------|------------------|---|
| Remote Alarm | Advantium Series | Provides audible and visual notification of a depleted supply bank to a remote location (See page 48) |
| Manifold Floor Stand | 830-7437 | Supports 2 standard length (12") manifold extensions installed consecutively |
| AutoSwitch Floor Stand | 830-7439 | Supports AutoSwitch enclosure |
| Intrinsic Safety | 529-5296 | Must be added if alarm is used with flammable gases |

CONCOA • 1501 Harpers Road, Virginia Beach, Virginia 23454 USA
800.225.0473 • www.CONCOA.com