

# Gas Switchover Systems



## 638 Series AutoSwitch



638-0000 shown

The 638 Series AutoSwitch provides a continuous supply of nonflammable industrial gases at a constant delivery pressure from two high pressure banks. Standard pressure switches enable visual alarms and an optional remote alarm to notify the user of the need to replenish a depleted bank.

### Advanced Features

- **4500 psi Maximum Inlet**  
High flow cradles
- **High Pressure Cylinders Primary and Reserve**
- **Integral Line Regulator**  
Stable line pressure during change over
- **User-Friendly Priority Valve**  
One knob switches cylinder priority
- **Integral Manifold System**  
Easy installation

### Applications

#### Pressure Transfer

Maintain continuous supply

#### Purging Systems

Large capacity flow to remove contaminants

#### MIG Welding Gas Supply

Supply pre-mix shielding gas

### 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

4500 PSIG (310 BAR)

#### Temperature Range

-40 to 140°F (-40 to 60°C)

#### Maximum Flow

6000 SCFH (2830 lpm)

#### Inlet Connection (Enclosure)

½" FPT

#### Outlet Connection

½" FPT

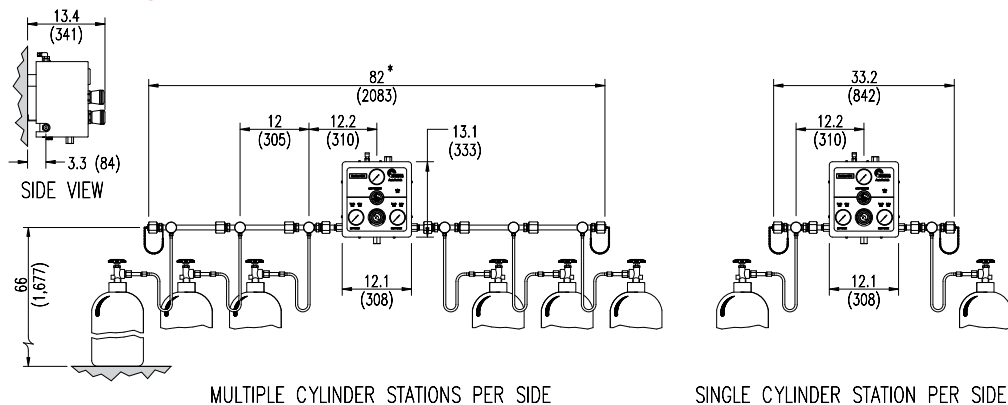
#### Weight

54 lbs. (25 kg)

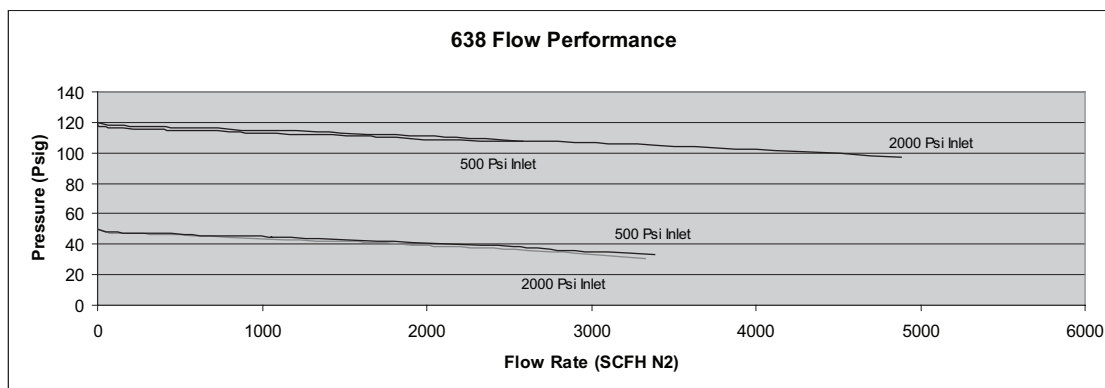
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## Mounting and Dimensional Information for the 638 Series AutoSwitch



\* ADD OR SUBTRACT 12" (305 mm) FOR EACH CYLINDER STATION ADDED TO OR SUBTRACTED FROM THE TYPICAL 3 CYLINDERS PER SIDE ASSEMBLY SHOWN.



## Ordering Information

| Series | A<br>Outlet Pressure | B<br>Manifold Style  | C<br>Pigtail Style                                 | D<br>Max Inlet Pressure/<br>Assembly | E<br>CGA Connections | F<br>Options |
|--------|----------------------|----------------------|--|--------------------------------------|----------------------|--------------|
| 638    |                      | 0: 1/2" FPT Port     | 0: No Pigtail                                      |                                      | -000                 |              |
|        | 1: 0-15 PSIG         | 1: 1/2" Tube Fitting | 1: 36" Stainless Steel Inner Core and Armor Casing | 1: 4500 PSIG/Wall Mount              | -347                 |              |
|        | 2: 0-40 PSIG         |                      | 2: 72" Stainless Steel Inner Core and Armor Casing | 2: 4500 PSIG/Floor Stand             | -680                 |              |
|        | 3: 0-120 PSIG        |                      |  |                                      |                      |              |

### 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 45) |
| AutoSwitch Floor Stand | 830-7439         | Support AutoSwitch Enclosure  |
| Manifold Floor Stand   | 830-7437         | Supports 2 standard length (12") manifold extensions installed consecutively                          |