

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. 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
- **Automatic Pressure Differential**
- **High Pressure Primary and Reserve Cylinders**
- **Integral Line Regulator**
Stable line pressure during changeover
- **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 Teflon®

Seats

Neoprene, PTFE Teflon®, 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

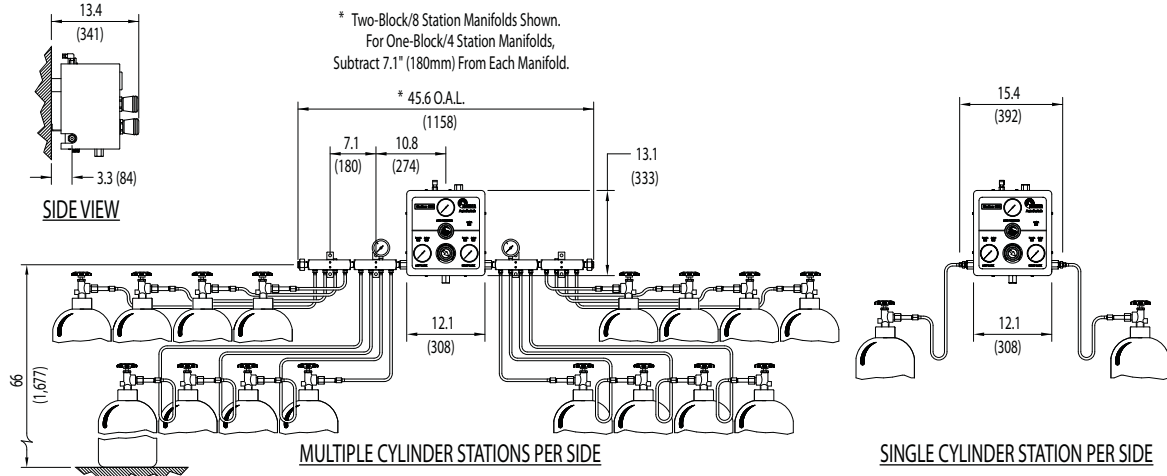
Weight

54 lbs. (25 kg)

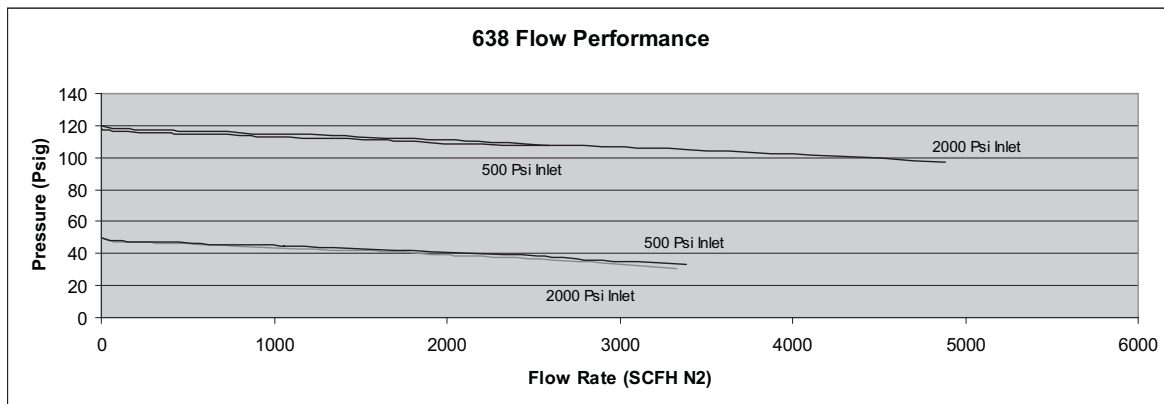
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Mounting and Dimensional Information for the 638 Series AutoSwitch



Switchovers



Ordering Information

	A	B	C	D	E	F
Series	Outlet Pressure	Outlet	Pigtail Style	Max Inlet Pressure/ Assembly	CGA Connections	Options
638		0: ½" FPT Port	0: No Pigtail		000	
	1: 0-15 PSIG	1: ½" 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 48)
AutoSwitch Floor Stand	830-7439	Support AutoSwitch Enclosure
Manifold Floor Stand	830-7437	Supports 2 standard length (12") manifold extensions installed consecutively