

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. 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

- **Alarm Capable**
- **High Pressure Cylinders Primary & Reserve**
- **Balanced Main Valve**
High flow capacity
- **Integral Line Regulator**
Stable line pressure during change over
- **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

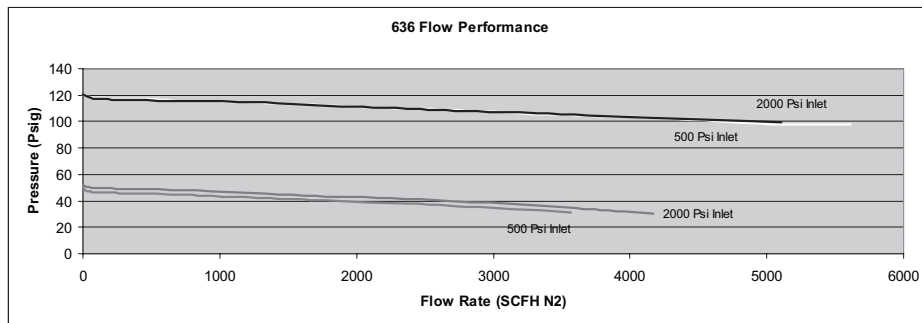
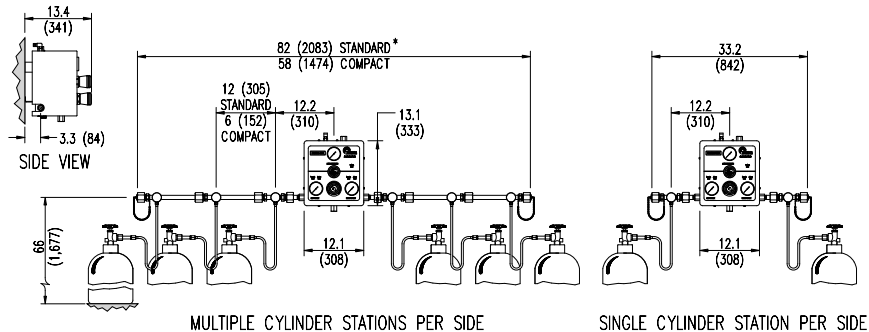
Weight

54 lbs. (25 kg)

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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	Pigtail	Options
636	1: 0-15 PSIG	1: Standard Length (12" between stations) with One Cylinder/Station		1: One Station	Please specify inlet connection (if applicable)	H: 120V Heater
	2: 0-40 PSIG		2: 24" Rigid Copper	2: Two Stations	PTFE-lined pigtails for oxygen	C: Foreign Inlets CO ₂ & Inert
	3: 0-120 PSIG	3: Standard Length (12" between stations) with 2 Cylinders/Station	3: 72" Flexible Stainless Steel Armor Case w/ Stainless Steel Core	3: Three Stations	service include accumulator	R: Foreign Inlets Ar, H ₂ , O ₂ , O ₂ Mix
		4: Compact Length (6" between stations) with One Cylinder/Station	4: 24" Flexible Stainless Steel braided w/ PTFE® lining	4: Four Stations	extensions to prevent ignition	
			5: 36" Flexible Stainless Steel Armor Case w/ Stainless Steel Core	5: Five Stations	from adiabatic compression.	
		6: Compact Length (6" between stations) with 2 Cylinders/Station	6: 36" Flexible Stainless Steel braided w/ PTFE® lining	6: Six Stations	Not for use with Helium or Hydrogen	
			7: 24" Flexible Stainless Steel Armor Case w/ Stainless Steel Core	7: Seven Stations		
				8: Eight Stations	Intrinsic Safety Barrier included with CGA 350	
			9: 72" Flexible Stainless Steel-braided w/ 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 45)
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