

# 639 Series Switchover

*Laser Assist Gas  
High Pressure  
Sources  
Semi-Automatic  
Switchover System*



639-5003-02 Shown

ASSIST GAS SUPPLY

The 639 Series Assist Gas Switchover is an automatic system designed to provide a continuous supply of laser assist gas from two high pressure sources. The system comes pre-mounted on a stainless steel panel complete with flexible pigtailed for connections to bulk high pressure sources.

## Advanced Features

- *Primary and Reserve Bank*  
Automatically switches to reserve when depleted
- *Optional Alarm*  
Visual and audio notification
- *High Flow Capacity*  
Flows up to 9,000 SCFH
- *Cartridge Sensor*  
Precise pressure control

## Applications

*Laser Assist Gases*  
Helium  
Nitrogen  
Oxygen  
Argon

*High Pressure Sources*  
Tube Trailers  
Cylinder Cradles  
Bulk Stations

## Materials

*Bodies*  
Brass barstock body and bonnet

*Seats*  
PTFE seat\* or PCTFE seat†

*Seals*  
PTFE and Viton® (internal)

*Filters*  
40-micron sintered bronze\*  
40-micron stainless steel†

*Pressure Gauges*  
Brass (Socket)  
Bronze (Bourdon tube)  
Brass (Case)

\*3,000 PSIG (208 BAR) inlet  
†4,500 PSIG (310 BAR) inlet

## Specifications

*Maximum Inlet Pressure*  
3,000 PSIG (210 BAR)  
4,500 PSIG (310 BAR)

*Temperature Range*  
-40 to 140°F (-40 to 60°C)

*Gauges*  
2" diameter dual scale brass

*Outlet Connection*  
½" FPT

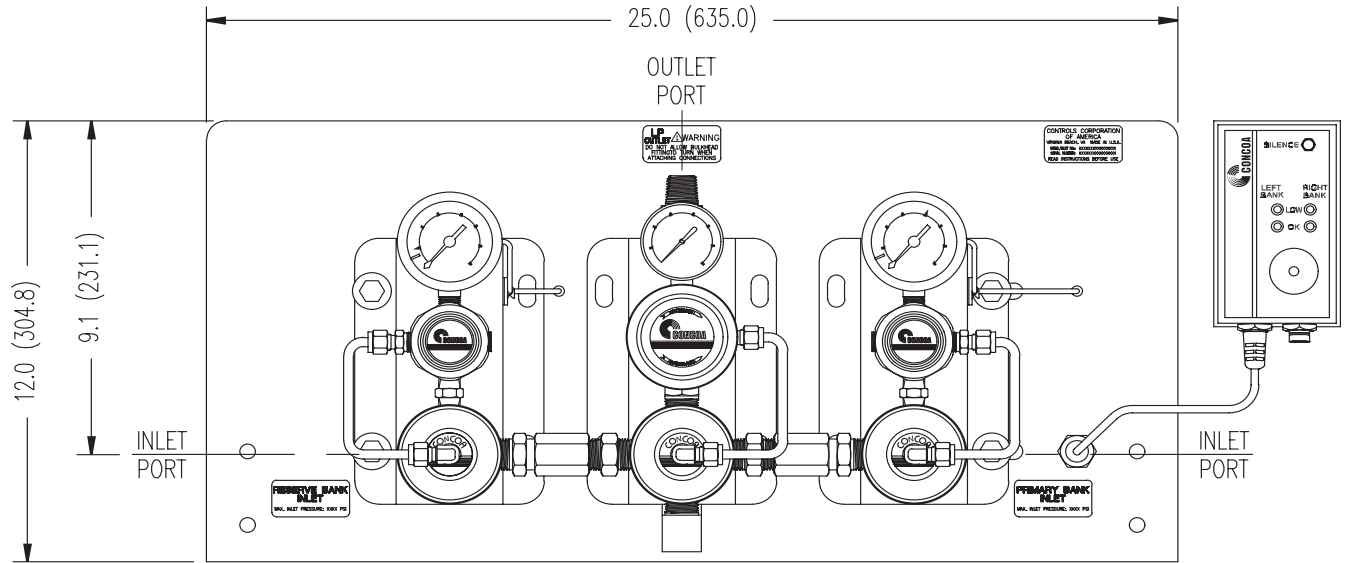
*Cv*  
2.0

*Weight (stand and switchover)*  
124 lbs. (56 kg)

CONCOA

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# Installation Dimensions



Shown with line regulator and optional alarm.

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## Ordering Information

639	A	B	C	D	E	F
Series 639	<b>Reserve/Primary Switching Pressure</b> 4: 350 PSIG/500 PSIG 5: 400 PSIG/600 PSIG 7: 600 PSIG/800 PSIG	<b>Primary Supply Inlet Configuration</b> 0: No pigtail assembly 5: Pigtail (6 feet) 6: Pigtail (12 feet) 9: Tube Trailer (½" x ½") (12 feet)*	<b>Reserve Supply Inlet Configuration</b> 0: No pigtail assembly 5: Pigtail (6 feet) 6: Pigtail (12 feet) 9: Tube Trailer (½" x ½") (12 feet)*	<b>Max Inlet Pressure/ Assembly</b> 3: 3,000 PSIG No alarm capability 4: 3,000 PSIG With alarm capability 8: 4,500 PSIG No alarm capability 9: 4,500 PSIG With alarm capability  Select alarm from options listed below	<b>Gas Service</b> 0: Oxygen 4: Inert (Argon, N <sub>2</sub> , He)	<b>Final Pressure Control</b> 1: Line Regulator Not Included 2: Integral Line Regulator*  *If A=4, Not Available If A=5, 0-400 PSIG If A=7, 0-600 PSIG
		*Not available with 4,500 PSIG inlet	*Not available with 4,500 PSIG inlet			

## Related Options

Option	Order No.	Description
Switchover Stand	518-1625	Appropriate support for switchover with one cylinder per side.
Multi-Interface Alarm	529-5310 (110 Volt) 529-5311 (220 Volt)	Remote alarm provides power for indicator lights for up to four 639 Switchovers, as well as audible and visual alarm at remote unit and RS-232 computer interface. The unit also supports optional telephone dialers.
Single-Interface Alarm	529-5106-120 (110 Volt) 529-5106-220 (220 Volt)	Remote alarm provides audible remote alarm for a single 639 Switchover.

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