

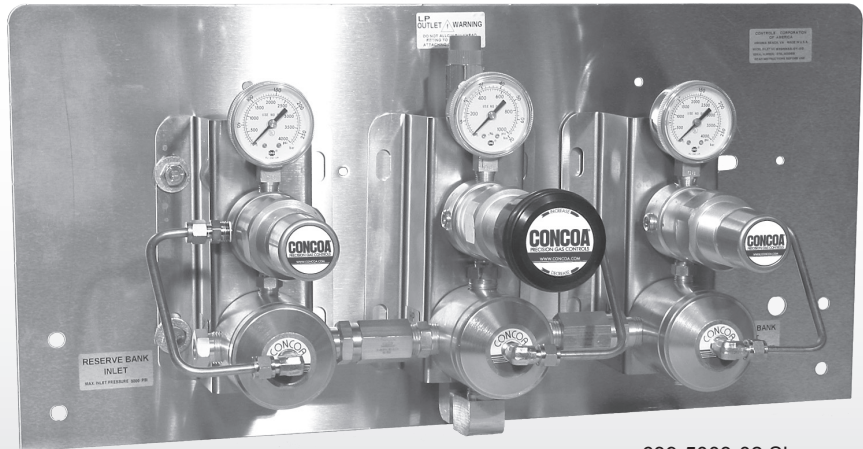


## 639 Series Switchover

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 pigtails for connections to bulk high pressure sources.

### Advanced Features

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



639-5003-02 Shown

Ask About Our

**EXTENDED**  
WARRANTY

On This CONCOA Product

### Applications

#### Laser Assist Gases

Helium  
Nitrogen  
Oxygen  
Argon

#### High Pressure Sources

Tube Trailers  
Cylinder Cradles  
Bulk Stations

### Materials

#### Body

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)

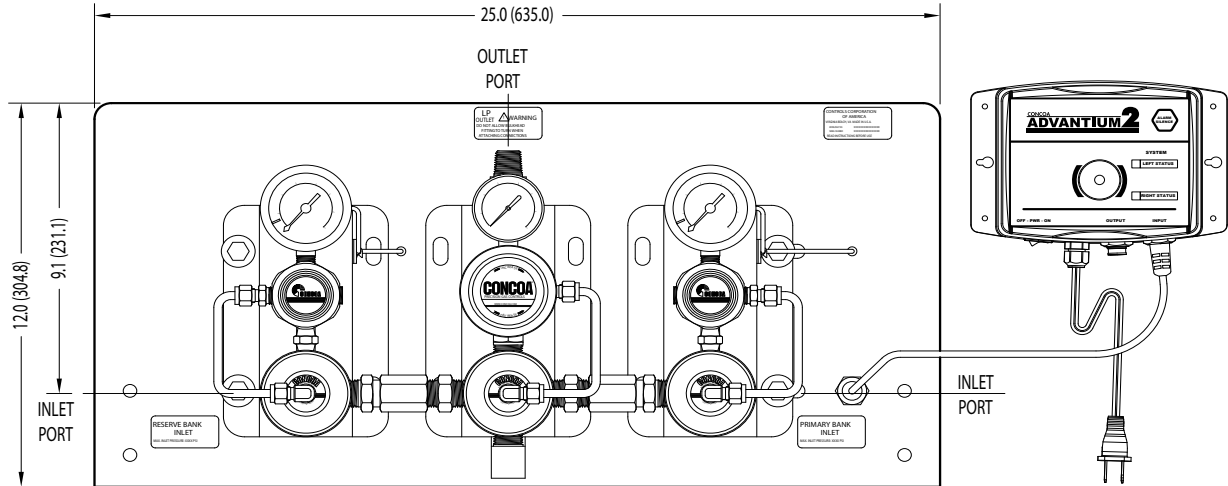
124 lbs. (56 kg)

Assist Gas Supply

# Assist Gas Supply



## Installation Dimensions



Shown with line regulator and optional alarm.

## Ordering Information

639	A	B	C	D	E	F
<b>Series 639</b>	<b>Reserve/Primary Switching Pressure</b>	<b>Primary Supply Inlet Configuration</b>	<b>Reserve Supply Inlet Configuration</b>	<b>Max Inlet Pressure/ Assembly</b>	<b>Gas Service</b>	<b>Final Pressure Control</b>
	4: 350 PSIG/500 PSIG	0: No pigtail assembly	0: No pigtail assembly	3: 3000 PSIG No Alarm Capability	0: Oxygen	1: Line Regulator Not Included
	5: 400 PSIG/600 PSIG	5: Pigtail (6 feet)	5: Pigtail (6 feet)	4: 3,000 PSIG With alarm capability	4: Inert (Argon, N <sub>2</sub> , He)	2: Integral line Regulator*
	7: 600 PSIG/800 PSIG	6: Pigtail (12 feet)	6: Pigtail (12 feet)	8: 4,500 PSIG No alarm capability		
		9: Tube Trailer (½" x ½") (12 feet)*	9: Tube Trailer (½" x ½") (12 feet)*	9: 4,500 PSIG With alarm capability		*If A=4, Not Available If A=5, 0-400 PSIG If A=7, 0-600 PSIG
		*Not available with 4,500 PSIG inlet		Select alarm from options listed below		

## Related Options

Option	Order No.	Description
Switchover Stand	518-1625	Appropriate support for switchover with one cylinder per side.
Advantium 8 Alarm	529-5310 (110 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.
	529-5311 (220 Volt)	
Advantium <b>2Plus</b> Alarm	575-0023 (110/220 Volt)	Remote alarm (universal input) provides audible remote alarm for a single 639 Switchover.