

639 SERIES

Assist Gas Supply

639 SERIES AUTOSWITCH



The 639 Series Assist Gas Switchover is a primary-reserve 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 hoses 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 9000 SCFH (4200 lpm)
CARTRIDGE SENSOR	Precise pressure control

6397003-01-42 shown

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

Seat

PTFE and Viton®

Filter

40-micron sintered bronze

Pressure Gauges

Brass (socket)
Bronze (bourdon tube)
Brass (case)

Flexible Hoses (Optional)

Armor-case stainless steel-lined

*3000 PSIG (210 BAR) inlet

†4500 PSIG (310 BAR) inlet

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)
4500 PSIG (310 BAR)

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Gauge

2" (50mm) diameter dual-scale brass

Ports

1/4" FPT

Helium Leak Integrity

1 x 10⁻⁸ scc/sec

Cv

0.2

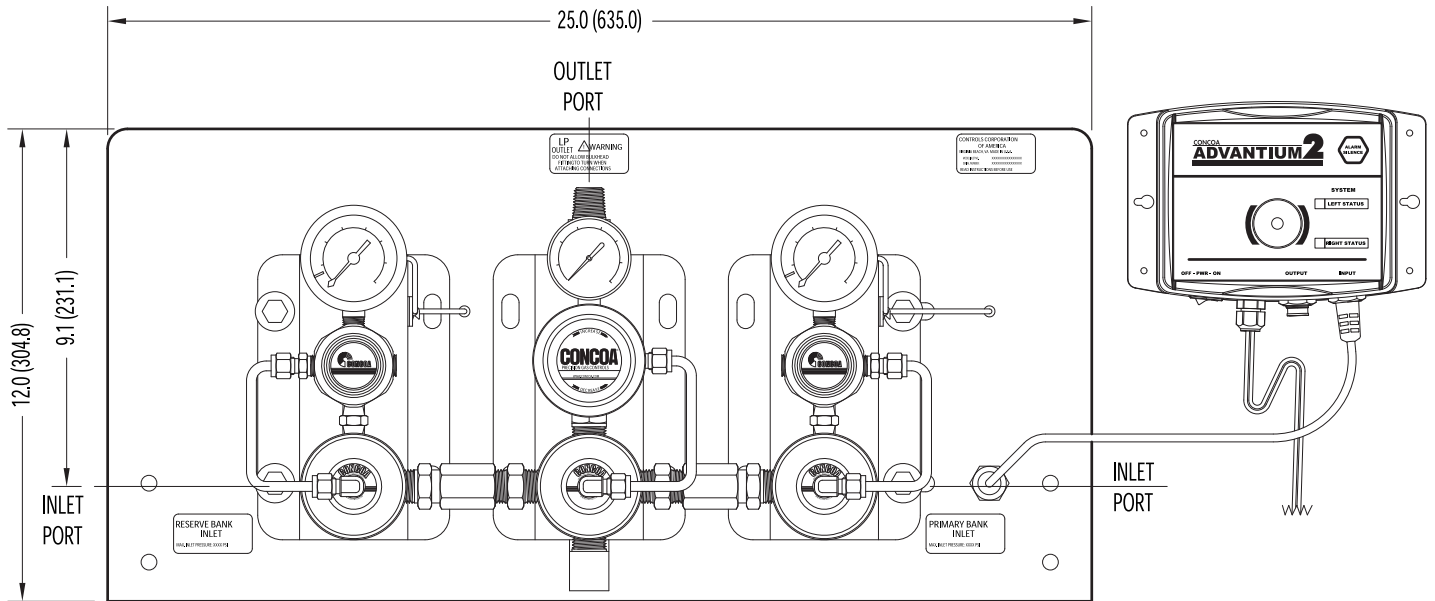
Weight

124 lbs. (56 kg)

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Installation Dimensions



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Shown with line regulator and remote alarm (sold separately).

Ordering Information

639	A	B	C	D	E	F
Series 639	Nominal Max Out (Primary Supply)	Primary Supply Inlet Configuration	Reserve Supply Inlet Configuration	Max Inlet Pressure/ Assembly	Gas Service	Final Pressure Control
	4: 250 PSIG/17 BAR (500 PSIG/35 BAR)	0: No hose assembly	0: No hose assembly	3: 3000 PSIG (210 BAR) with no alarm capability	0: Oxygen	1: Line regulator not included
	5: 400 PSIG/28 BAR (650 PSIG/45 BAR)	5: 6ft (1800mm) hose	5: 6ft (1800mm) hose	4: 3000 PSIG (210 BAR) with alarm capability	4: Inert (Argon, Nitrogen, and Helium)	2: Integral line regulator*
	7: 600 PSIG/41 BAR (850 PSIG/60 BAR)	6: 12ft (3700mm) hose	6: 12ft (3700mm) hose	8: 4500 PSIG (310 BAR) with no alarm capability		*If A=4, Not available If A=5, 0-400 (0-27 BAR) If A=7, 0-600 (0-40 BAR)
		9: 12ft (3700mm) tube trailer*	9: 12ft (3700mm) tube trailer*	9: 4500 PSIG (310 BAR) with alarm capability		
		*Not available with 4500 PSIG (310 BAR) inlet		Select alarm from options listed below		

Available Options

Switchover Stand	5181625	Appropriate support for switchover with one cylinder per side
Advantium 8 Alarm	5295310-01-001 (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.
Mounting Bracket	8350204	Rear panel mount bracket kit
Advantium 2 Plus Alarm	5750023	