



Resonator Gas Supply

621 Series AutoSwitch

The 621 Series Laser Gas Switchover system provides continuous gas delivery for laser resonator gases. The system will automatically change cylinder or bank priority without transmitting pressure fluctuations to the use line. Internal pressure switches indicate low supply pressure and the need to exchange depleted cylinders. Indicator lights may be powered by a remote alarm. The system is designed for single and multiple cylinder use per side.



621-3000 shown

Advanced Features

- *Integral Line Regulator*
Stable line pressure during change over
- *Laser Quality System Components*
Capsule® seat
- *Metal to Metal Seals*
No possibility of gas contamination
- *Variable Line Pressure*
Line pressure changeable on site
- *User-Friendly Priority Valve*
One knob switches cylinder priority
- *Removable Enclosure Cover*
Easy maintenance

Ask About Our

EXTENDED
WARRANTY

On This CONCOA Product

Materials

Priority Valve

Brass barstock

Line Regulator

Brass barstock

Diaphragms

316L stainless steel

Seats

PTFE

Enclosure

Acrylic powder-coated steel

Tubing

316 stainless steel

Tube Fittings

316 stainless steel

Internal Seals

PTFE

Pressure Gauges

Brass (socket)

Bronze (Bourdon tube)

Stainless steel (case)

Pressure Switches

Brass (socket)

Bronze (Bourdon tube)

Stainless steel (case)

Check Valves

Brass with Viton® seals

Specifications

Maximum Inlet Pressure

3,000 PSIG (210 BAR)

4,500 PSIG (310 BAR)

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Maximum Flow (Nitrogen)

600 SCFH (283 lpm) @ 100 PSIG

Inlet Connection

½" FPT

Outlet Connection

¼" stainless steel compression tube

Helium Leak Integrity

1 x 10⁻⁸ scc/sec

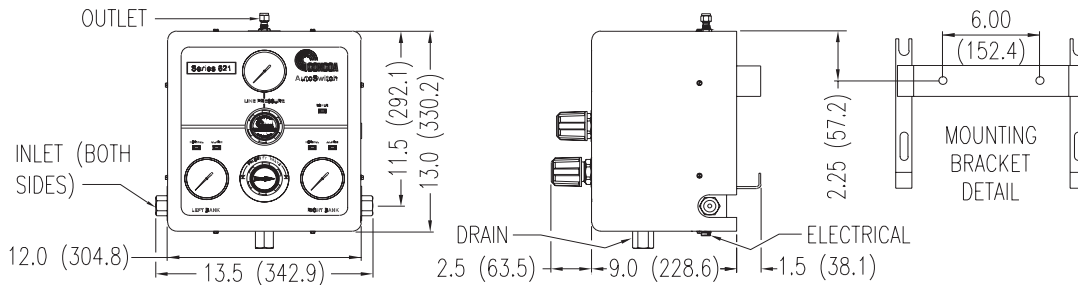
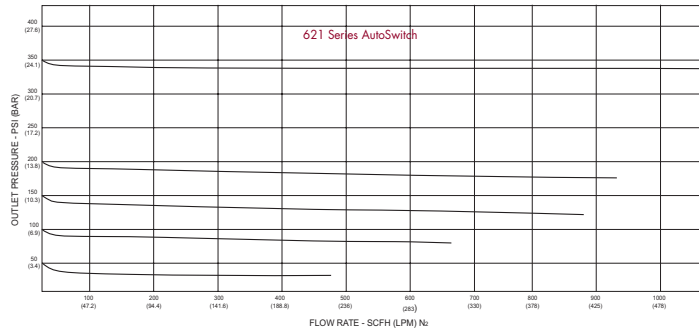
Weight

40 lbs. (18 kg)

Resonator Gas Supply



Flow Performance Curves



Ordering Information

621 Series	A Max Delivery Pressure	B Inlet Connection	C Cylinders Per Side	D Max Inlet Pressure	Inlet Connection	Options Installed Options
621	3: 100 PSIG (7 BAR)	0: 1/4" FPT Port	0: 1 Cylinder (1/4" FPT Inlet)	0: 3000 PSIG with Alarm Capability	Please Specify Inlet Connection CGA 477 BS 341 and others available	C: Compact Manifolds
	5: 350 PSIG (14 BAR)	1: Manifold Connector for Maniflex Header*†	1: 1 Cylinder (Pigtail Inlets)	8: 4500 PSIG with Alarm Capability		M: 6mm Tube Fitting Outlet
	7: 150 PSIG (10 BAR)	2: Manifold Connector with Master Valves*†	2: 2 Cylinders			N: Compact Manifolds and 6mm Tube Fitting Outlet
		3: Diaphragm Valve (with 1/4" FPT Port)†	3: 3 Cylinders			
		6: Tee Purge and Diaphragm Valve (with 1/4" FPT Port)†	4: 4 Cylinders			
		7: Tee Purge and Diaphragm Valve with Manifold Connector for Maniflex Header†	5: 5 Cylinders			
			6: 6 Cylinders			

Available Options

Option	Stock No.	Description
Advantium 8	529-5310 (110 Volt) 529-5311 (220 Volt)	Remote alarm provides power for indicator lights up to four 621 Switchovers, audible and visual alarm at remote unit, RS-232 computer interface, and supports optional telephone dialers. <i>Conforms to ANSI/AWS C7.2:1998 recommendations.</i>
Advantium 2	575-0021 (110 Volt) 575-0022 (220 Volt)	Remote alarm provides audible remote alarm for a single 621 Switchover. <i>Conforms to ANSI/AWS C7.2:1998 recommendations.</i>
Vent Extension Kit	829-9962	Four cylinder vent manifold extension block with mounting hardware
Manifold Floor Stand	830-7437	Single manifold floor stand provides support for up to two consecutive manifold extensions
Floor Stand	830-7439	AutoSwitch floor stand