

621 Series Auto Switch



The 621 Series laser gas switchover system provides a 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 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.
- Alarms. Indicator Lights.

Materials of Construction

- Priority Valve Brass Bar Stock
- Line Regulator Brass Bar Stock
- Diaphragm 316L Stainless Steel
- Seat 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

621 Specifications

- Maximum Inlet Pressure 3000 PSIG (210 BAR)
- Temperature Operating Range -40° F - 140° F (-40° C - 60° C)
- Maximum Flow (Nitrogen) 300 SCFH (145 lpm) @ 100 PSIG
- Inlet Connection 1/4" FPT
- Outlet Connection 1/4" Stainless Steel Compression Tube
- Helium Leak Integrity 1 x 10⁻⁸ scc/sec
- Weight 40 lbs. (18 kgs)

Special Applications

How to Order: *Specify a number from each category*

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Model Number Series	Max. Delivery Pressure PSIG	Inlet Fittings	Cylinder/Side	Assembly/Gauges	Inlet Connection
621	3 100	0 1/4" FPT Port	0 1 Cylinder (1/4" FPT Inlet)	0 3000 PSIG with Alarm Capability	Please specify inlet connection
	5 350	1 Manifold Connector for Maniflex Header*	1 1 Cylinder (Pigtail Inlets)		
	7 150	2 Manifold Connector for Maniflex Header with Master Valves*	2 2 Cylinders* 4 4 Cylinders* 6 6 Cylinders*		

*Manifold connector required with multiple cylinders per side. (Each manifold station includes a pigtail with CGA inlet for cylinder connection.)

Ex: **621-3010-580** 621 AutoSwitch, 0-100 PSIG Delivery Pressure, two-pigtail (one cylinder per side), with CGA 580 Connections