

620 Series Auto Switch

The 620 Series Laser Gas Switchover is a semi-automatic system designed to provide a continuous supply of laser purity gas. The system comes with either flexible pigtailed for use with two cylinders, or manifolds for two or more cylinders per side. The switchover requires final pressure regulation, which may be ordered integral to the system (shown), or separately for installation at the point of use.



620 Features

- Laser Quality Brass Regulators Capsule® Seat.
- Laser Quality Diaphragm and Seals. Limits Possibility of Contamination.
- User Friendly Priority Valve. One Knob Switches Cylinder Priority.
- Inlet Gland Check Valves on Pigtailed Prevents Contamination and Backflow.

620 Typical Application

- Laser Pure Resonator Gases (*Helium; Nitrogen; Carbon Dioxide*)
- Laser Mixed Resonator Gases (*Three Gas Premix; Four Gas Premix; Five Gas Premix*)
- Laser Purging Gases (*Zero Air; Nitrogen*)

Materials of Construction

Body	Brass Bar Stock
Diaphragm	.316L Stainless Steel
Nozzle	Brass Bar Stock
Seat	.PTFE
Internal Seals	.PTFE
Filters	.10-Micron Sintered Bronze
Weight	.8.25 lbs. (3.71 kgs)

620 Specifications

Maximum Inlet Pressure	3000 PSIG (210 BAR)
Temperature Operating Range	-40° F - 140° F (-40° C - 60° C)
Gauges	.2" Diameter Dual Scale Brass
Helium Leak Intergrity	1 x 10 ⁻⁸ scc/sec
Cv	.0.2

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

###	-	#	-	#	-	#	-	#	-	###
Model Number Series		Max. Delivery Pressure PSIG		Inlet Fittings		Cylinder/Side		Assembly/Gauges		Inlet Connection
620	2	70	0	1/4" FPT Port	0	1 Cylinder (1/4" FPT Inlet)	2	No Line Regulator (BAR/PSI Gauges)		Please specify inlet connection
	3	100	1	Manifold Connector for Maniflex Header*	1	1 Cylinder (Pigtail Inlets)	8	Integral Line Regulator (BAR/PSI Gauges)		
	4	200	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.)