



# Resonator Gas Supply

## 626 Series AutoSwitch

The 626 Series AutoSwitch is designed to provide continuous gas delivery of resonator gases to a CO<sub>2</sub> industrial laser. Each switchover in the system automatically changes cylinder or bank priority from the primary source to a reserve supply without transmitting pressure fluctuations to the use line. A single remote alarm can report the need to replenish the cylinder supply of any or all gases. Additionally, software is included that allows remote monitoring and notification of system status from the convenience of a desktop computer.

### Advanced Features

- *Integral Line Regulator*  
Stable line pressure during change over
- *Laser Quality Brass System Components*  
Capsule® seat
- *Metal to Metal Seals*  
No possibility of gas contamination
- *Advantium 8 Alarm*  
Provides visual and audible remote alarm notification
- *RS-232 Software*  
Email or fax notification
- *User-Friendly Priority Valve*  
One knob switches cylinder priority
- *Tee Purges Included*  
Maintain gas purity
- *On-Board LED*  
Local notification



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**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

316 stainless steel (socket)  
316 stainless steel (Bourdon tube)  
316 stainless steel (case)

#### Check Valves

Brass with Viton® seals

### Specifications

#### Maximum Inlet Pressure

3,000 PSIG (210 BAR)

#### Temperature Range

-40°F to 140°F (-40°C to 60°C)

#### Maximum Flow (Nitrogen)

600 SCFH (283 lpm)

#### Inlet Connection

½" FPT

#### Outlet Connection

¼" compression tube

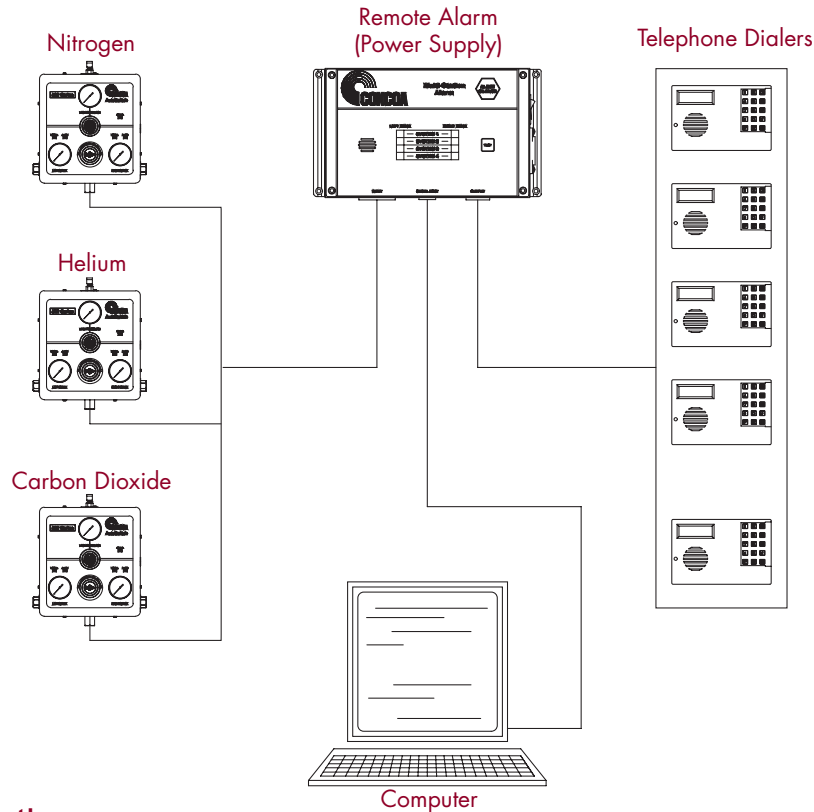
#### Helium Leak Integrity

1 x 10<sup>-8</sup> scc/sec

#### Weight

40 lbs. (18 kg)

# Resonator Gas Supply



## Ordering Information

626	A	B	C	D	E	F	G	J
<b>Series 626</b>	<b>Max Delivery Pressure</b>	<b>Helium Cylinders/Side</b>	<b>Nitrogen Cylinders/Side</b>	<b>CO<sub>2</sub> Cylinders/Side</b>	<b>Electrical Voltage</b>	<b>Assembly</b>	<b>Telephony</b>	<b>Additional Options</b>
	3: 100 PSIG (7 Bar)	1: One Cylinder	1: One Cylinder	1: One Cylinder	1: 110 Volts AC	0: Standard Assembly	0: No Dialer	M: 6mm Tube Fitting on Box Outlet
	5: 350 PSIG (14 Bar)	2: Two Cylinders	2: Two Cylinders	2: Two Cylinders	2: 220 Volts AC		1: Single Dialer	
	7: 150 PSIG (10 Bar)	3: Three Cylinders	3: Three Cylinders	3: Three Cylinders			2: Two Dialers	
		4: Four Cylinders	4: Four Cylinders	4: Four Cylinders			3: Three Dialers	
		5: Five Cylinders	5: Five Cylinders	5: Five Cylinders			4: Four Dialers	
		6: Six Cylinders	6: Six Cylinders	6: Six Cylinders				
		7: Seven Cylinders	7: Seven Cylinders	7: Seven Cylinders				
		8: Eight Cylinders	8: Eight Cylinders	8: Eight Cylinders				
		9: Nine Cylinders	9: Nine Cylinders	9: Nine Cylinders				

## Related Options

Option	Order Number	Description
Laser Panels	See Page 9	Three Gas Panel delivery systems for the Laser Gases (Helium, Nitrogen and Carbon Dioxide)
Filters	See Pages 49 and 50	Filters Protect the Purity of the Gas Stream
Additional Switchover	See page 10	An Additional Switchover May be Powered From the 626 Remote Alarm/Power Supply