



500 Series Distribution Systems

AutoSwitch

The 523 Series AutoSwitch is a continuous gas delivery system for ultra-high purity or corrosive gas service, typically in the laboratory or process plant, that automatically changes cylinder or bank priority from primary source to a reserve supply without transmitting pressure fluctuations to the use line. Optional internal pressure switches, warning lights, and separate remote alarm indicate low bank pressure and the need to change depleted cylinders.



523 3004 shown

Typical Applications

- High purity non-corrosive gas supply
- GC carrier and support gases
- Hydrogen and other flammable gases
- Pure or mix process gas supply
- Biotech, pharmaceutical gas systems
- Central gas supply system for laboratory, research or process plants

Ask About Our

**EXTENDED
WARRANTY**

On This CONCOA Product

Features

400 Series 316L Stainless Components
Capsule® seat

Metal to Metal Seals

No possibility of gas contamination

Integral Line Regulator

Stable line pressure during change over

Variable Line Pressure

Line pressure changeable on site

User-Friendly Priority Valve

One knob switches cylinder priority

Integral Manifold System

Easy installation

Optional Alarms

Advantium 8 Monitors Up to 4 Systems

Advantium 2 PLUS Monitors 1 System

Intrinsic Safety Barriers

For use with Flammable Gases or in Hazardous Areas

Class 1, Div. 1, Group A, B, C, or D

Materials

Priority Valve

316L stainless steel barstock

Line Regulator

316L stainless steel barstock

Diaphragms

316L stainless steel

Enclosure

Acrylic powder-coated steel

Tubing and Fittings

316L stainless steel

Internal Seats and Seals

PTFE

Pressure Gauges and Switches

316L stainless steel

Check Valves

316L stainless steel with Viton® seal

Specifications

Maximum Inlet Pressure

3000 PSIG (210 BAR)

Temperature Range

-40°F to 140°F (-40°C to 60°C)

Maximum Flow

100 PSIG

600 SCFH (283 LPM)

Cv

0.1

Inlet Connection

1/2" FPT

Outlet Connection

1/4" stainless steel compression tube

Helium Leak Integrity

1 x 10⁻⁸ scc/sec

Weight

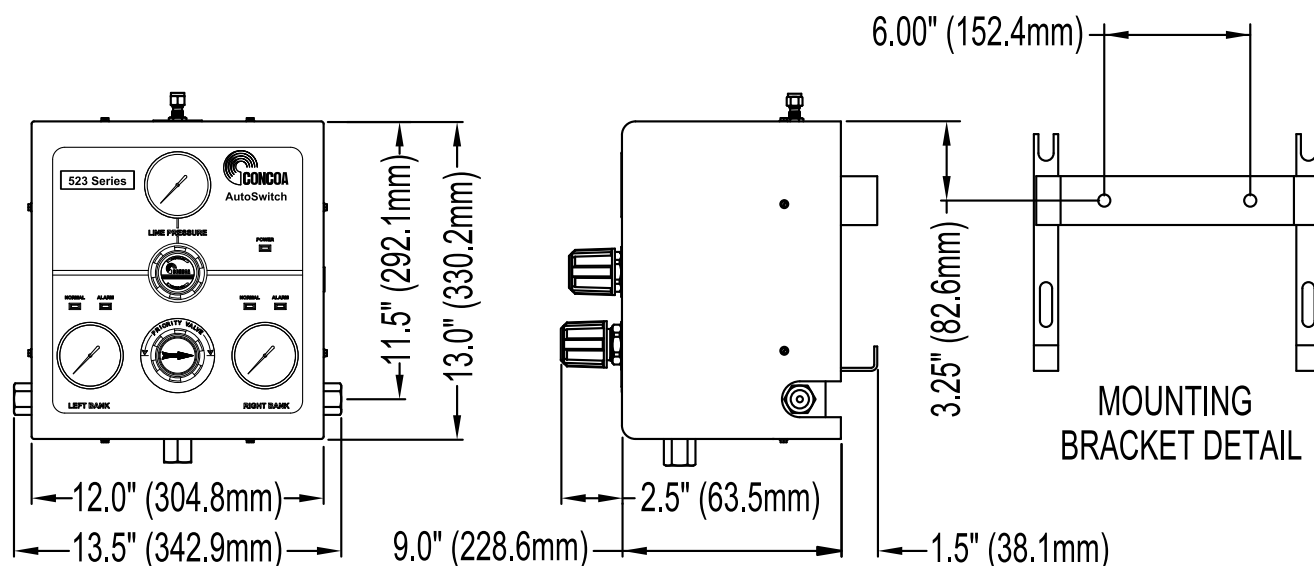
40 lbs. (18 kg)

CRN OH 5216.5C

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Installation Information



Ordering Information

523	A	B	C	D	-CON	Options
Series 523	Outlet Pressure	Inlet Connection	Cylinders/Side	Assembly	Hose	
	2: 0-50 PSIG	0: 1/2" FPT for non-toxic gases	0: No inlet connection**	1: Without alarm capability	Please specify inlet connection (if applicable)	C: Compact manifold (6" spacer)
	3: 0-100 PSIG	1: Stainless steel manifolds for non-toxic gases (36" flexible hoses at each station)	1: One cylinder	4: With alarm capability* (alarm sold separately)	CGA DIN 477 BS 341 And others Available	
	4: 0-200 PSIG	3: Diaphragm valves for non-toxic gases* (Two 36" flexible hoses)	2: Two cylinders	*Intrinsic safety barriers are required for flammable gas service or for use in hazardous environments.		
	5: 0-350 PSIG	4: Stainless steel manifolds for non-toxic gases (24" flexible hoses at each station)	3: Three cylinders			
	7: 0-150 PSIG	5: Stainless steel manifolds for toxic gases† (36" stainless steel flexible hoses at each station)	4: Four cylinders			
		6: 1/2" FPT with captured vent	5: Five cylinders			
		7: Stainless steel manifolds for toxic gases† (24" flexible hoses at each station)	6: Six cylinders			
		8: Diaphragm valves for toxic gases**† (Two 36" flexible hoses)	7: Seven cylinders			
		9: Diaphragm valves* (Two 72" stainless steel hoses)	8: Eight cylinders			
		*One cylinder/side only †Includes captured vent	9: Nine cylinders			
			0: Ten cylinders**			
			A: Eleven cylinders			
			B: Twelve cylinders			
			C: Thirteen cylinders			
			D: Fourteen cylinders			
			E: Fifteen cylinders			
			** If manifold option is selected in B, 0 = ten cylinders			