

DCG Spec-Brief™

522 Series Automatic Switchover with Brass Components

SB – 127



Advanced Features:

- **400 Series Brass System Components and 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

DCG's Spec-Brief™

Consult the following Spec's for related Application:

SB-111 405 Series High Purity Brass Regulator
SB-132 CGA Fittings

DCG's 522 Series AutoSwitch is a continuous gas delivery system for high purity gas service, typically in the laboratory or process plant, that automatically changes cylinder or bank priority from the primary source to a reserve supply without transmitting pressure fluctuations to the use line. Internal pressure switches, warning lights, and remote alarm indicate low bank pressure and the need to change depleted cylinders.

Remote Alarm*

Providing audible and visible notification of cylinder depletion, one Advantium 8 remote alarm can monitor and power up to four switchover stations.

- ❖ **Intrinsic Safety Barriers**
Safe use with flammable gases or in hazardous areas (class 1, division 1, group A, B, C or D)
- ❖ **Relay Output**
Easy integration with other alarm systems
- ❖ **Telephone Dialer***
Notify multiple off-site locations of the need to change depleted cylinders
- ❖ **Computer Interface***
Serial communication through RS-232 port

522	A	B	C	D	<CON>	Options
Series 522	Outlet Pressure	Inlet Connection	Cylinders/Side	Assembly	Pigtail	
	2: 0-50 PSIG	0: 1/2" FPT	0: No Inlet Connection**	1: Without Alarm Capability	Please specify inlet connection (if applicable)	C: Compact Manifold (6" Spacer)
	3: 0-100 PSIG	1: Brass Manifolds (36" flexible pigtails at each station)	1: One Cylinder	4: With Alarm Capability* (Alarm Sold Separately)		
	4: 0-200	3: Diaphragm Valves* (Two 36" stainless flexible pigtails)	2: Two Cylinders	† Intrinsic safety barriers are required for flammable gas service or for use in hazardous environments.	CGA Din 4777 BS 341 and others available	
	5: 0-350 PSIG	4: Brass Manifolds (24" flexible pigtails at each station)	3: Three Cylinders			
	7: 0-150 PSIG	5: Chrome-Plated Brass Manifolds (36" flexible pigtails at each station)	4: Four Cylinders			
		6: 1/2" FPT with captured vent	5: Five Cylinders			
		7: Chrome-Plated Brass Manifolds (24" flexible pigtails at each station)	6: Six Cylinders			
		9: Diaphragm Valves* (Two 72" stainless steel pigtails)	7: Seven Cylinders			
		*One cylinder/side only	8: Eight Cylinders			
			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				

Materials of Construction:

Priority Valve

Brass barstock

Line Regulator

Brass barstock

Diaphragms

316L stainless steel

Enclosure

Acrylic powder-coated steel

Tubing and Fittings

316 stainless steel

Internal Seats and Seals

PTFE

Pressure Gauges and Switches

Brass, Bronze and Stainless Steel

Check Valves

Brass with Viton® seals



*Contact a
DCG Technical Specialist
for more information
regarding this product.*

Call Today!

281-648-1894, Option 1

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