

## 527 Series Automatic Switchover with Stainless Steel Components



The 527 Series Automatic Switchover is designed to provide a continuous supply of ultra high purity, corrosive gas. The system comes with either flexible pigtailed for use with two cylinders or manifold connectors for use with the Maniflex Modular Manifold System. Due to pressure differential considerations, an integral line regulator is available to maintain constant downstream pressure.

### Materials of construction:

Bodies: 316L stainless steel barstock  
Seats: PTFE  
PCTFE with 4500 PSIG inlet  
Filters: 10 micron sintered stainless steel  
Diaphragm: 316L Stainless steel  
Internal seals: PTFE

### Specifications:

Maximum inlet pressure: 3000 PSIG (210 Bar)  
4500 PSIG (300 Bar) Optional  
Temperature range: -40°F to 140°F (-40°C to 60°C)  
Gauges: 2" diameter stainless steel  
Ports: ¼" MPT  
Helium leak integrity:  $1 \times 10^{-8}$  scc/sec

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**Chromatographic Reference Materials**



### 527 Series Automatic Switchover with Stainless Steel Components (continued)

#### Ordering Information

527	A	B	C	D	-CON
Series 527	Switching Pressure (Priority Right/Left)	Inlet Connections	Line Regulator	Assembly/Gauges	Pigtail
	1: 125 PSIG/105 PSIG 2: 70 PSIG/50 PSIG 3: 100 PSIG/75 PSIG 4: 200 PSIG/170 PSIG 5: 500 PSIG/470 PSIG 7: 150 PSIG/130 PSIG 8: 300 PSIG/270 PSIG	0: 1/4" FPT Ports 1: Flexible Stainless Steel Pigtails (36") 2: Manifold Connectors 3: Flexible Stainless Steel Pigtails (24") 4: Diaphragm Valves with 1/4" FPT Port 5: Diaphragm Valves with Pigtails (36") 6: Diaphragm Valves with Manifold Connectors 7: Diaphragm Valves with Pigtails (24") 8: Flexible PTFE-lined Pigtails (36") (4500 PSIG maximum inlet pressure)	0: None 1: 0-15 PSIG 2: 0-50 PSIG 3: 0-100 PSIG 4: 0-250 PSIG 5: 0-400 PSIG 7: 0-150 PSIG	1: 0-4000 PSI/kPA Gauges* No alarm capability 2: 0-4000 BAR/PSI Gauges* No alarm capabilities 3: 0-4000 BAR/PSI* with Pressure Switches † and 110V Remote Alarm 4: 0-4000 BAR/PSI* with Pressure Switches † and 220V Remote Alarm 5: 0-600 BAR/PSI Gauges No alarm capability 6: 0-600 BAR/PSI* with Pressure Switches † and 110V Remote Alarm 7: 0-600 BAR/PSI* with Pressure Switches † and 220V Remote Alarm 8: 0-4000 BAR/PSI* with Pressure Switches † and without Remote Alarm  * 0-6000 PSI gauges with 4500 PSIG max inlet option † Intrinsic safety barriers for flammable gas service or for use in hazardous environments	Please specify Connection (if applicable)  CGA DIN 477 BS 341 and others available

#### Related Options

- Stainless Steel Tee Purge Valves (5022015 & 5022016)
- Panel Mount Kit (5500002)

The above information was provided to DCG by the product manufacturer. DCG makes no additional warranties or representations.

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