

527 Series Automatic Switchover with Stainless Steel Components

DCG's 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

DCG's 527 series Automatic Switchover bodies is made of 316L Stainless Steel barstock. The seats with PTFE and PCTFE with 4500 PSIG inlet. 10 micron sintered stainless steel with the Diaphragm of 316L Stainless steel.

At DCG, our quality automatic switchover series provides continuous supply of gas giving you cost effective maintenance and a system that delivers when time matters.



Specifications:

Maximum inlet Pressure:

3000 PSIG (210 Bar)
4500 PSIG (310 Bar) Optional

Temperature Range:

-40°F to 140°F (-40°C to 60°C)

Gauges: 2" Diameter Stainless Steel

Outlet Connection:

1/4" MPT (without line regulator)
1/4" FPT (with line regulator)

Helium Leak Integrity: 1×10^{-8} scc/sec

CV: 0.1

Weight: 8.25 lbs. (3.71 kg)



**DCG Partnership 1,
Ltd.**

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Features

400 Series stainless steel regulators
 Capsule® seat
 Metal-to-metal diaphragm seal
 No possibility of gas contamination
 Multiple cylinders per side
 Optional Line Regulator
 Stable line pressure during change
 Optional Pressure Switches and Remote Alarm

Materials

Bodies: 316L Stainless Steel Barstock
Diaphragms: 316L stainless steel
Seats:
 PTFE
 PCTFE with 4500 PSIG inlet
Filters:
 10 micron patented stainless steel mesh.
Internal Seals: PTFE

DCG Spec-Brief™

*Consult the following Spec's
 for related Applications:*

**SB-114 425 Series Stainless Steel
 Line Regulator**
SB-132 CGA Fittings

527 Series	A Switching Pressure (Priority Right/Left)	B Inlet Connections	C Line Regulator	D Assembly/Gauges	CON Pigtails
527	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	O: 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 (24") 6: Diaphragm Valves with Manifold Connectors 7: Diaphragm Valves with Pigtails (24") 8: Flexible PTFE-lined Pigtails (24")	O: 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 capability 3: 0-4000 BAR/PSI* with Pressure Switches ^ and 110V Remote Alarm 4: 0-4000 BAR/PSI* with Pressure Switches ^ and 220 V 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 220 V Remote Alarm 8: 0-4000 BAR/PSI* with Pressure Switches ^ and without remote alarm *0-6000 BAR/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

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