



CHEM MASTER SGD6000 SERIES

6.0 Purity Single Stage Stainless Steel Diaphragm Differential Autochange Gas Control Panel

The Chem Master SGD6000 series single stage differential autochange control panels are designed for primary pressure gas control of corrosive, toxic and high purity gases up to grade 6.0 purity (99.9999%), on gas distribution systems where slight pressure variation is acceptable.

- **SGD6031 Series** | Single Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, FKM Seal, FFKM Pressure Relief Valve
- **SGD6032 Series** | Single Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, EPDM Seal, FFKM Pressure Relief Valve

(\star)

FEATURES

High pressure isolation valves

High pressure purge facility

Single stage pressure regulation

Process line isolation valve

Encapsulated seat design

Twin cylinder configuration



MATERIALS

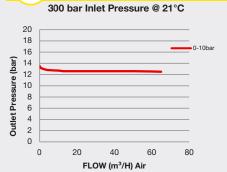
Body	316L Stainless Steel		
Bonnet	Nickel Plated Brass Barstock		
Diaphragm	316L Stainless Steel		
Seal	PTFE		
Seat	PCTFE		
Filter	10 Micron 316L Stainless Steel		

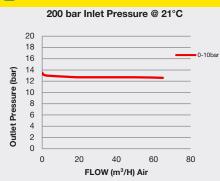
Maximum Inlet Pressure	60 bar (870 PSI) / 300 bar (4350 PSI)*
Delivery Pressure Range	10 bar (150 PSI) Minimum
Gauge	50mm (2") Diameter
Ports	1/4" NPT Female
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Flow Coefficient (Cv)	0.1
Helium Leak Integrity	1x10 ⁹ mbar l/s
Weight	8.00kg (17.64 lbs)****

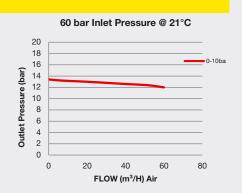
* Subject to cylinder connection. *** Nace and 3.1 material certificates available on request, Please contact the sales office for further information. *** Subject to final configuration.



FLOW PERFORMANCE

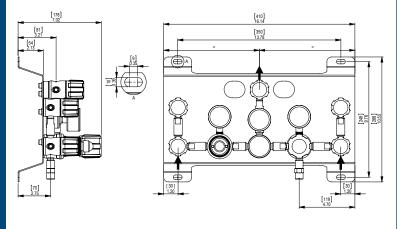


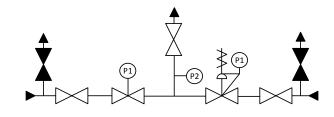














- Isolation Valve
 - Isolation Valve (Closed)
 - Fixed Pressure Regulator with P1 Pressure Gauge



- Adjustable Pressure Regulator with P1 Pressure Gauge and Pressure Relief Valve
- P2 Pressure Gauge

Model No. Selector Guide									
Product Type	Inlet Pressure	Outlet Pressure	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet Connection	Outlet Connection	Options		
SGD6031	02 60 bar / 870 PSI	05 10 bar / 150 PSIG Min	00 No Gauge Fitted	00 No Gauge Fitted	000 No Inlet Fitted	00 No Outlet Fitted	A No Options Selected		
SGD6032	04 300 bar / 4350 PSI		01 bar/PSI	01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	F Bonnet Vent Capture Kit		
			02 bar/PSI Contact Gauge	02 bar/PSI 3.1 Cert (stainless steel only)***	002 1/4 Stainless Steel Compression	02 1/4 Stainless Steel Compression	G Helium Test Certificate		
			03 bar/PSI 3.1 Cert (stainless steel only)***		003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	H 3.1 Material Certificate***		
			04 bar/PSI Contact Gauge 3.1 Cert (stainless steel only)***		004 1/4 NPT Male	04 1/4 NPT Male	J NACE Certificate***		
							K Certificate of Conformity		
							M CO2 Burst Disc		
							P Calibration / Pressure Test Certificate		
							R Fitted Pipeline Pressure Relief Valve, FKM Seal		
							S Fitted Pipeline Pressure Relief Valve, EPDM Seal		
							X Special Instruction		