



## CHEM MASTER SGX6000 SERIES

6.0 Purity Two Stage Stainless Steel Diaphragm Switch Change Gas Control Panel

The Chem Master SGX6000 series two stage switch change control panels are designed for primary pressure gas control of corrosive, toxic or high purity gases up to grade 6.0 purity (99.9999%), on gas distribution systems where constant delivery pressure is required.

■ **SGX6040 Series** | Two Stage Twin Cylinder Diaphragm Switch Change Gas Control Panel, FFKM Pressure Relief Valve



## **FEATURES**

Compact design

Two stage pressure regulation

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		

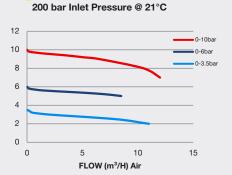
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	SPECIFICATION

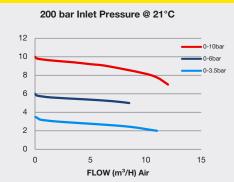
Maximum Inlet Pressure	60 bar (870 PSI) / 300 bar (4350 PSI)*				
Delivery Pressure Range	3.5 bar (50 PSI) /0-6 bar (90 PSI) / 10 bar (150 PSI)				
Gauge	50mm (2") Diameter				
Ports	1/4" NPT Female				
Temperature Range	-20° C to +60° C (-4° F to +140° F)				
Flow Coefficient (Cv)	0.078				
Helium Leak Integrity	1x10 <sup>9</sup> mbar l/s				
Weight	3.5kg (7.72 lbs)****				

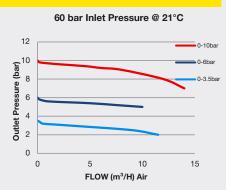
\*\* Cylinder connection not included \*\*\* Nace and 3.1 material certificates available on request, Please contact the sales office for further information. \*\*\*\* Subject to final configuration



## **FLOW PERFORMANCE**

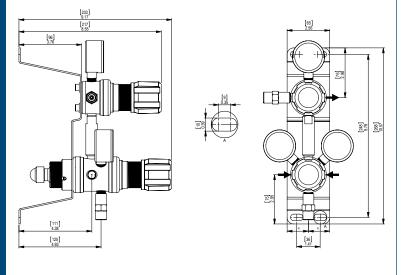


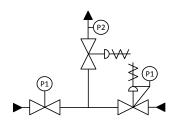












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- Fixed Pressure Regulator

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

Model No. Selector Guide									
Product Type	Inlet Pressure	Outlet Pressure	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet Connection	Outlet Connection	Options		
SGX6040	<b>02</b> 60 bar / 870 PSI	03 -1 - 3.5 bar / 50 PSIG	00 No Gauge Fitted	00 No Gauge Fitted	000 No Inlet Fitted	00 No Outlet Fitted	A No Options Selected		
	<b>04</b> 300 bar / 4350 PSI	<b>04</b> -1 - 6 bar / 90 PSIG	01 bar/PSI	01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	<b>F</b> Bonnet Vent Capture Kit		
		<b>05</b> -1 - 10 bar / 150 PSIG	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)***		<b>004</b> 1/4 NPT Male	<b>04</b> 1/4 NPT Male	J NACE Certificate***		
					<b>058</b> 1/4" NPTF Elbow		K Certificate of Conformity		
							P Calibration / Pressure Test Certificate		
							X Special Instruction		