

GASARC™

AN ESAB® BRAND

Chem Master SGM6020 Series

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



The Chem Master SGM6020 Series two stage single cylinder manual change control panels 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.

- **SGM6021** Series | Two Stage Single Cylinder Diaphragm Manual Gas Change Control Panel, FKM Seal, FFKM Pressure Relief Valve
- **SGM6022** Series | Two Stage Single Cylinder Diaphragm Manual Gas Change Control Panel, EPDM Seal, FFKM Pressure Relief Valve

★ FEATURES

- High pressure isolation valves
- High pressure purge facility
- Two Stage pressure regulation
- Process line isolation valve
- Encapsulated valve design
- Single cylinder configuration

📄 MATERIAL

- | | |
|---------------|--------------------------------|
| ■ Body | 316L Stainless Steel |
| ■ Bonnet | Nickel Plated Brass Barstock |
| ■ Diaphragm | 316L Stainless Steel |
| ■ Bonnet Seal | PTFE |
| ■ Seal Option | FKM / EPDM |
| ■ Valve Seat | PCTFE |
| ■ Filter | 10 Micron 316L Stainless Steel |

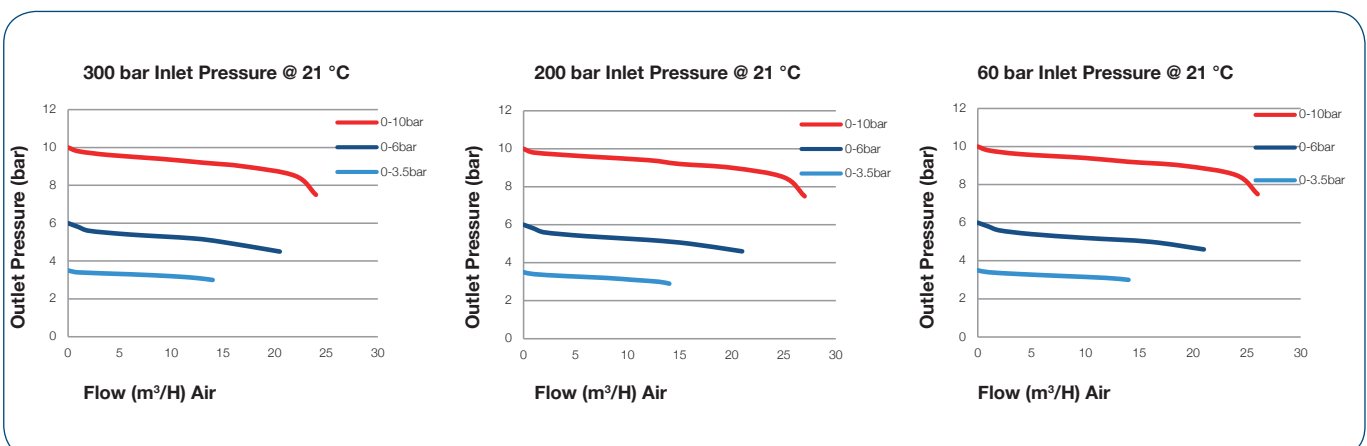
👍 SPECIFICATION

- | | |
|---------------------------|------------------------------------------------------------|
| ■ Maximum Inlet Pressure | 15 bar (220 PSI)
60 bar (870 PSI)
300 bar (4350 PSI) |
| ■ Delivery Pressure Range | 3.5 bar (50 PSI)
6 bar (90 PSI)
10 bar (150 PSI) |
| ■ Gauges | 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 ⁻⁹ mbar l/s |
| ■ Weight | 4.5 kg (9.9 lbs) **** |

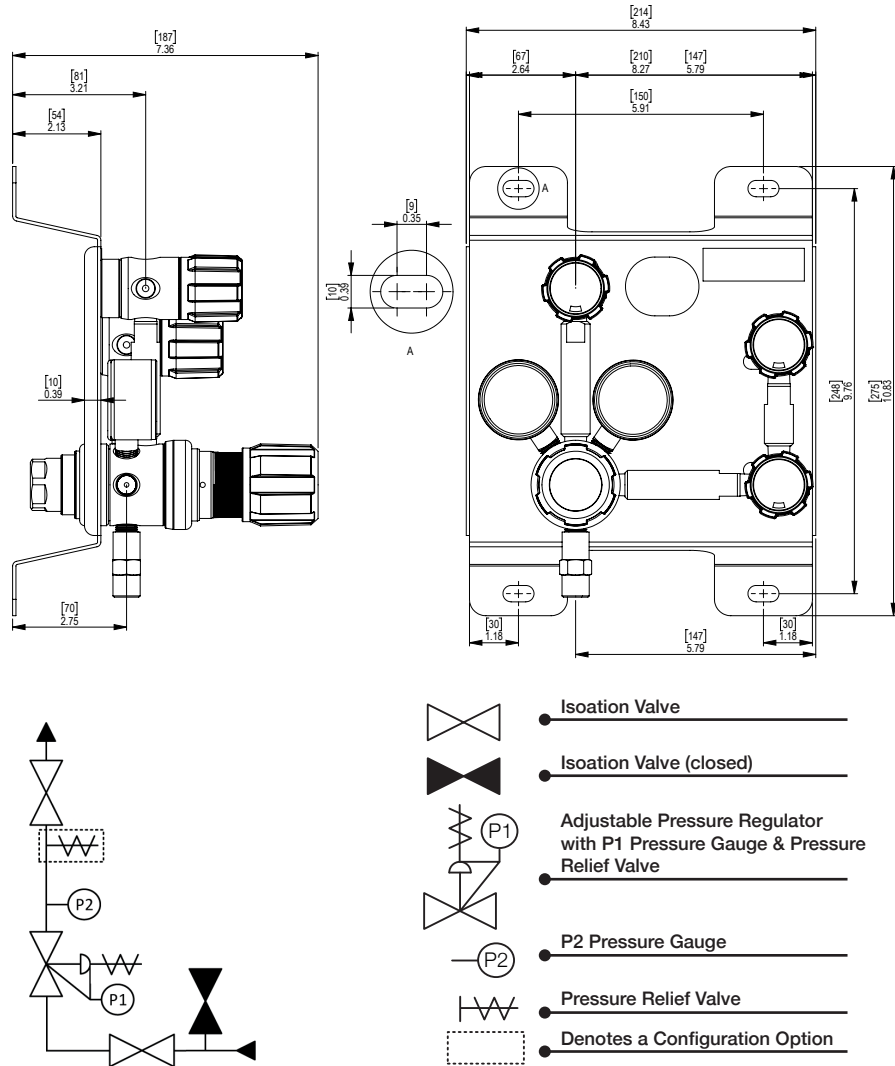
*** Nace and 3.1 material certificates available on request.
Please contact the sales office for further information.

**** Subject to final configuration.

✓ FLOW PERFORMANCE



DRAWINGS



MODEL NO. SELECTOR GUIDE

Example for a Model No. for SGM6020 Series

Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options
SGM6021	02 60 [870]	03 0 to 3.5 [50]	00 No Gauge fitted	00 No Gauge Fitted	000 1/4 NPT Female	00 1/4 NPT Female	A No Options Selected
SGM6022	04 300 [4350]	04 0 to 6 [90]	01 bar/PSI	01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	F Bonnet Vent Capture Kit
	06 15 [220]	05 0 to 10 [150]	02 bar/PSI Contact Gauge		002 1/4 Stainless Steel Compression	02 1/4 Stainless Steel Compression	G Helium Test Certificate
					003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	H 3.1 Material Certificate ***
					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