



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

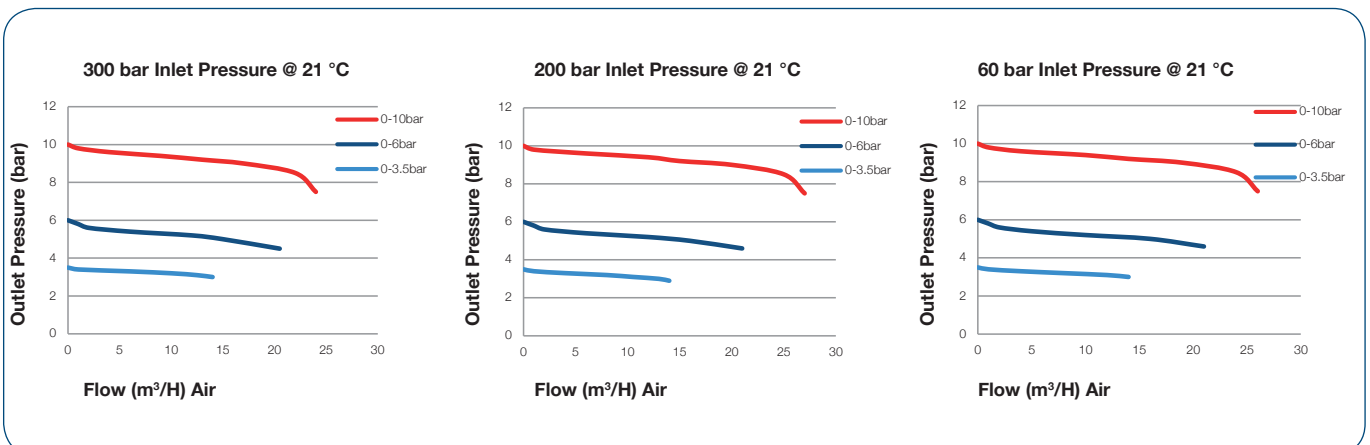
| | |
|---------------|--------------------------------|
| ■ Body | 316L Stainless Steel |
| ■ Bonnet | Nickel Plated Brass Barstock |
| ■ Diaphragm | 316L Stainless Steel |
| ■ Bonnet Seal | PTFE |
| ■ Seal Option | FKM / EPDM |
| ■ Valve Seat | PCTFE |
| ■ Filter | 10 Micron 316L Stainless Steel |

👍 SPECIFICATION

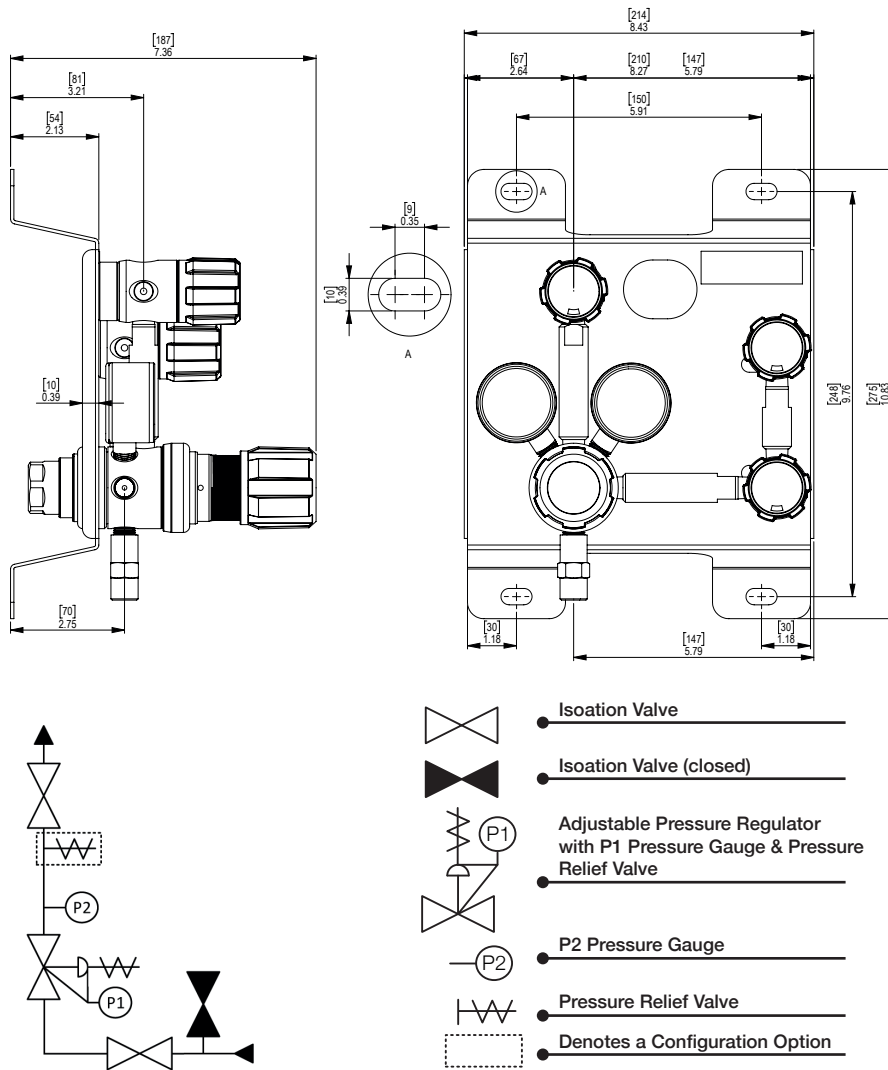
| | |
|---------------------------|--|
| ■ Maximum Inlet Pressure | 15 bar (220 PSI) 60 bar (870 PSI) 300 bar (4350 PSI) |
| ■ Delivery Pressure Range | 3.5 bar (50 PSI) 6 bar (90 PSI) 10 bar (150 PSI) |
| ■ Gauges | 50mm (2") Diameter |
| ■ Ports | 1/4" NPT Female |
| ■ Temperature Range | -20° C to +60° C (-4° F to +140° F) |
| ■ 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 |
| | | | | | | | X Special Instruction |