Gas Control Equipment

Chem Master SGM6030 Series

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



The Chem Master SGM6030 Series single stage twin cylinder manual 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 slight pressure variation is acceptable.

- **SGM6031** Series | Single Stage Twin Cylinder Diaphragm Manual Gas Change Control Panel, FKM Seal, FFKM Pressure Relief Valve
- **SGM6032** Series | Single Stage Twin Cylinder Diaphragm Manual Gas Change Control Panel, EPDM Seal, FFKM Pressure Relief Valve

FEATURES

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

MATERIAL

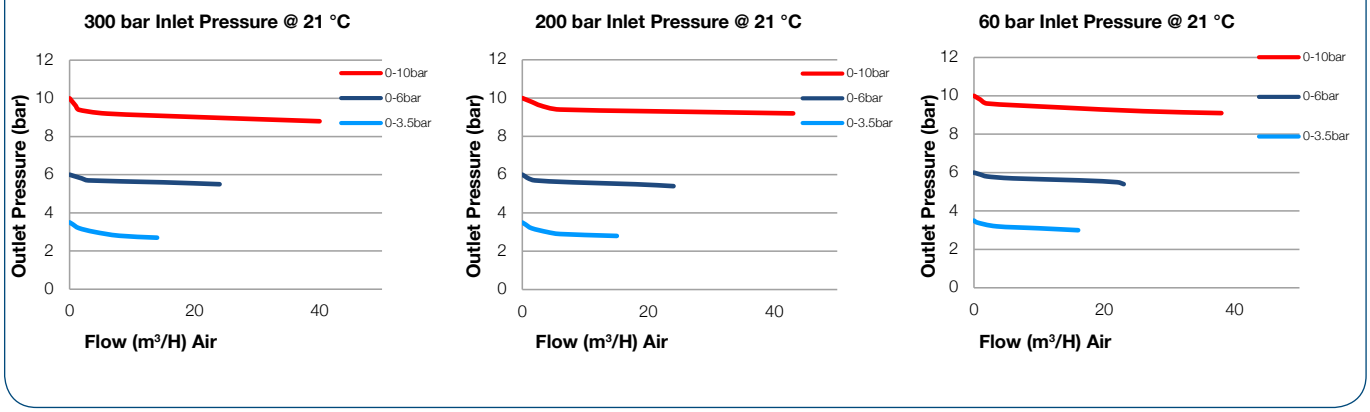
Body	316L Stainless Steel
Bonnet	Nickel Plated Brass Barstock
Diaphragm	316L Stainless Steel
Bonnet Seal	PTFE
Seal Option	FKM / EPDM
Valve Seat	PCTFE
Filter	10 Micron 316L Stainless Steel

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)	0.1
Helium Leak Integrity	$1x10^{-9}$ mbar l/s
Weight	5.0 kg (11.02 lbs) ****

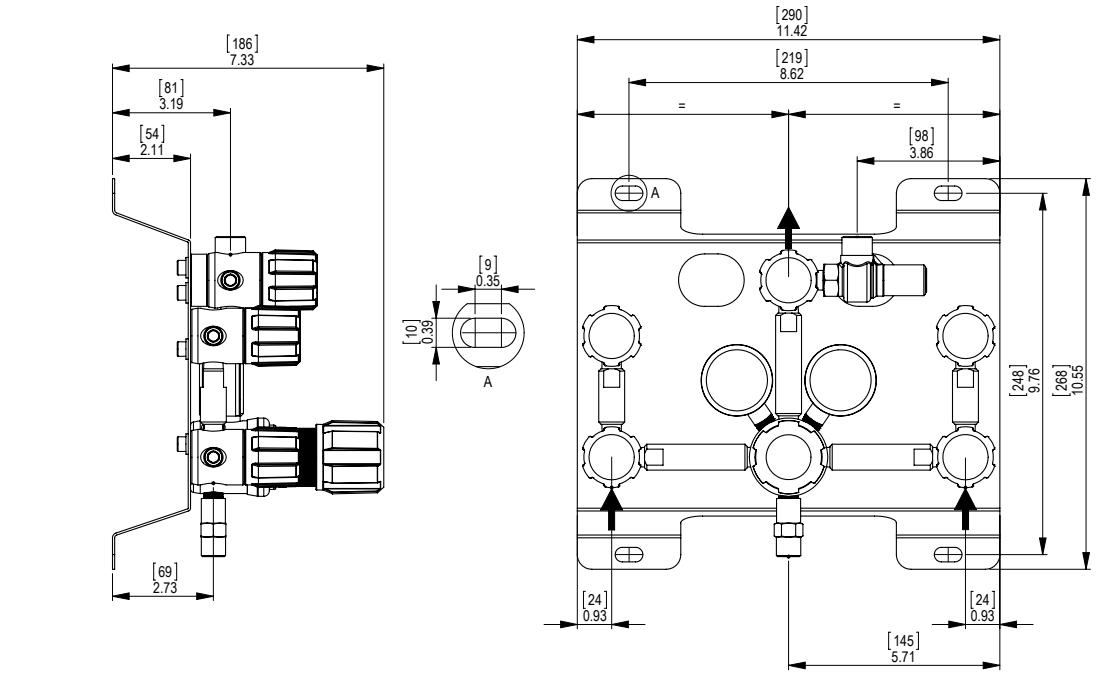
* *Subject to cylinder connection*
*** *Nace and 3.1 material certificates available on request. Please contact the sales office for further information.*
**** *Subject to final configuration.*

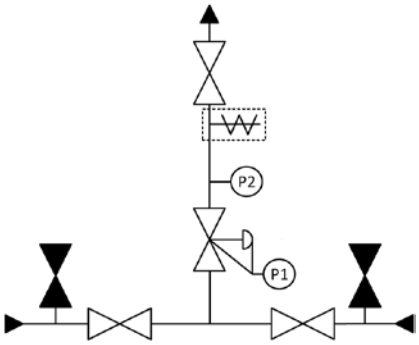
FLOW PERFORMANCE

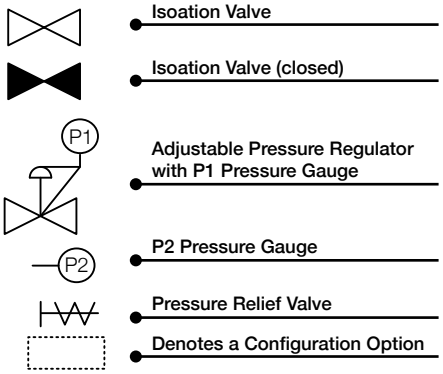


We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

DRAWINGS







MODEL NO. SELECTOR GUIDE

Example for a Model No. for SGM6030 Series

SGM6031- 02- 07- 00- 00- 000- 00- A

Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options
SGM6031	**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
SGM6032	**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

GCE® Gas Control Equipment

CK Isotopes Ltd, Office 1&2, The Stables, Newtown Grange Farm Buisness Park, Desford Road, Newtown Unthank, Leicestershire, LE9 9FL

WWW.GASCONTROLEQUIPMENT.CO.UK - Tel: 01455 360180 - Email: SALES@CK-GCE.CO.UK

GASARC BY GCE SPECIALITY

Headoffice / Factory UK

Gas-Arc Group Limited

Vinces Road | Diss | Norfolk | IP22 4WW | UK