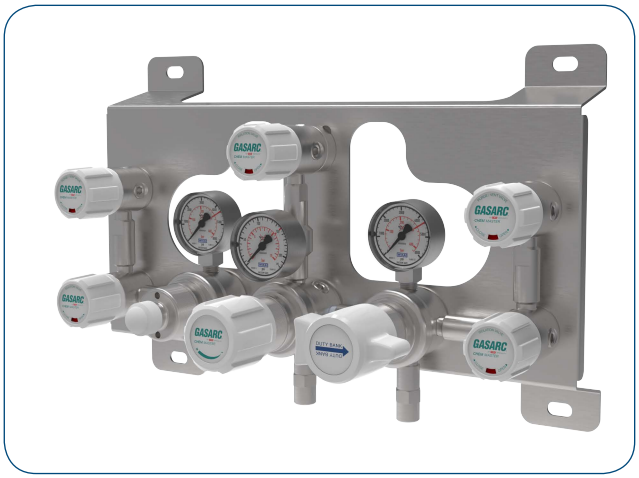
Gas Control Equipment

Chem Master SGD6040 Series

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



The Chem Master SGD6040 Series two stage differential autochange 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.

- **SGD6041** Series | Two Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, FKM Seal, FFKM Pressure Relief Valve
- **SGD6042** Series | Two Stage Twin Cylinder Diaphragm Differential Autochange Gas 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
- Twin cylinder configuration

MATERIAL

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

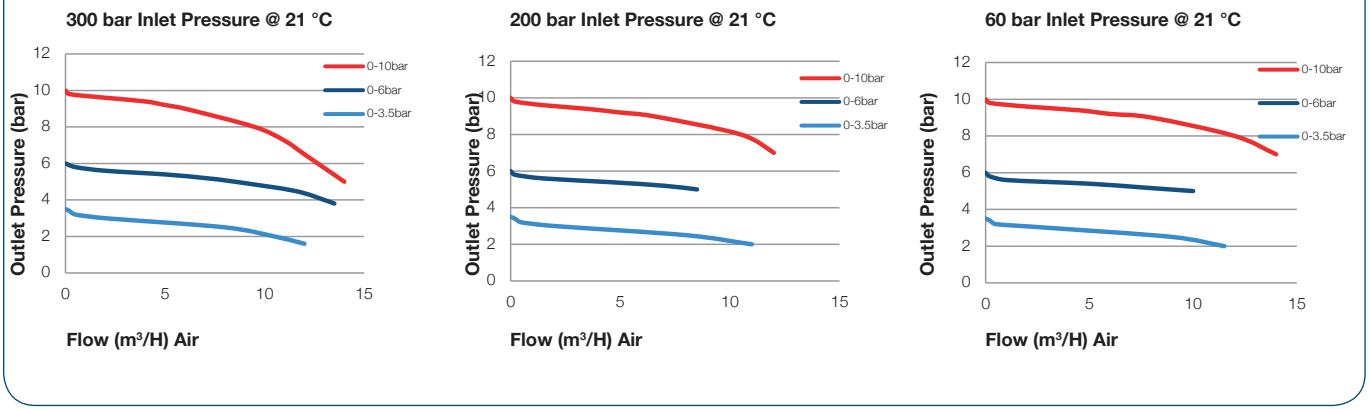
SPECIFICATION

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	8.0 kg (17.64 lbs) ****

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

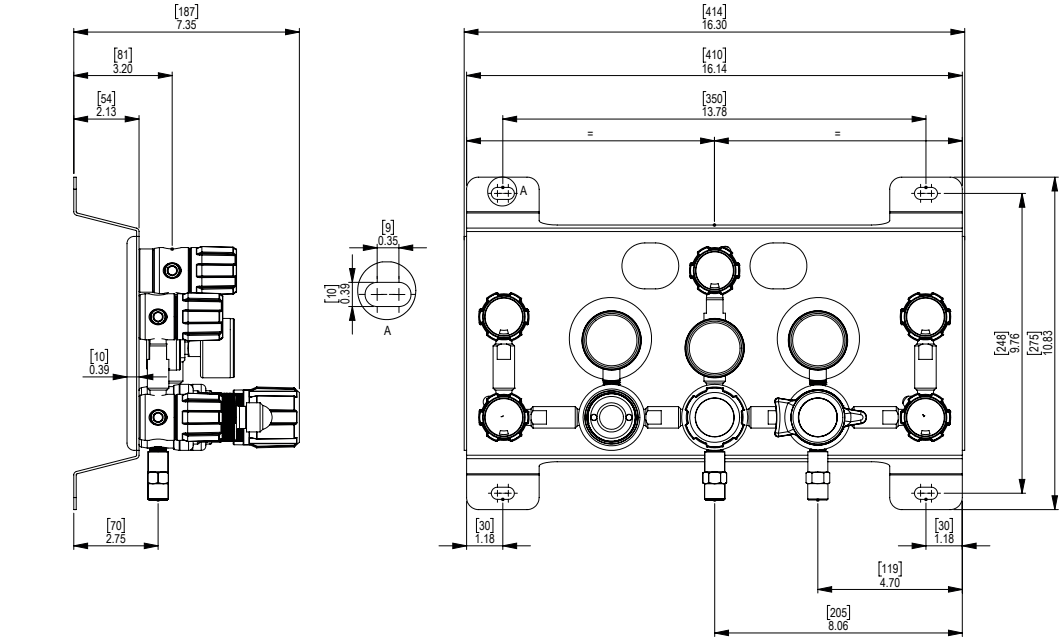
**** *Subject to final configuration.*

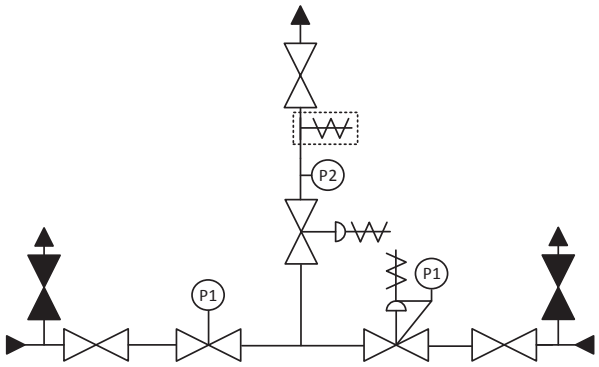
FLOW PERFORMANCE

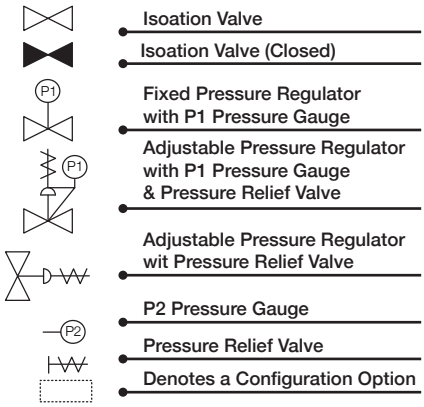


We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

DRAWINGS







MODEL NO. SELECTOR GUIDE

Example for a Model No. for SGD6040 Series

SGD6041- 02- 03- 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
SGD6041	**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
SGD6042	**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