Gas Control Equipment

Lab Master LGM5030 Series

5.0 Purity Single Stage Nickel Plated Brass Barstock Diaphragm Manual Change Gas Control Panel



The Lab Master LGM5030 Series single stage twin cylinder manual change control panels are designed for primary pressure gas control of non-corrosive or toxic, high purity gases up to grade 5.0 purity (99.999%), on gas distribution systems where slight pressure variation is acceptable.

- **LGM5031** Series | Single Stage Twin Cylinder Diaphragm Manual Gas Change Control Panel, FKM Seal, FKM Pressure Relief Valve
- **LGM5032** Series | Single Stage Twin Cylinder Diaphragm Manual Gas Change Control Panel, EPDM Seal, EPDM 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

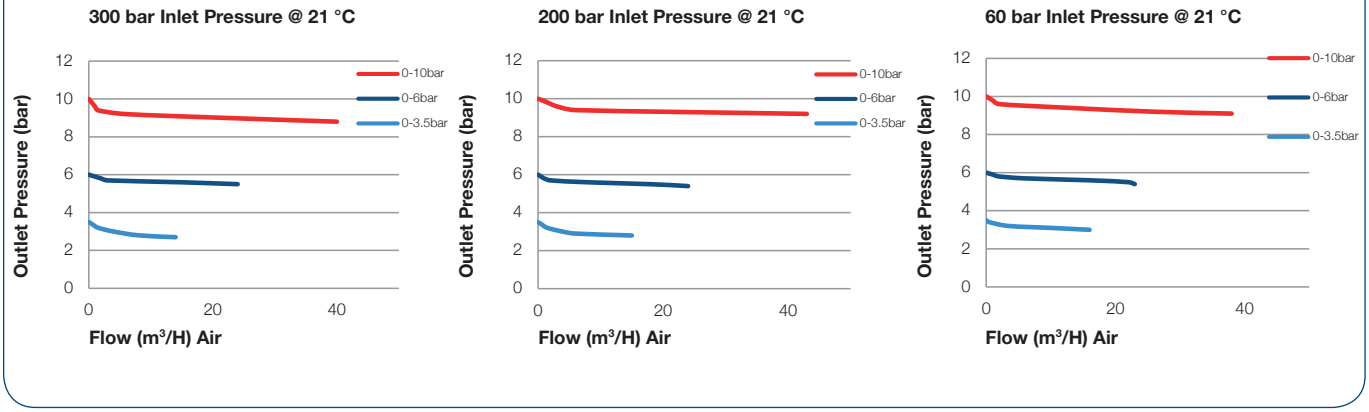
Body	Nickel Plated Brass Barstock
Bonnet	High Strength Alloy
Diaphragm	316L Stainless Steel
Bonnet Seal	PTFE
Seal Option	FKM / EPDM
Valve Seat	Polyamide (Nylon®)
Filter	10 Micron 316L Stainless Stee

SPECIFICATION

Maximum Inlet Pressure	15 bar (220 PSI) 60 bar (870 PSI) 300 bar (4350 PSI) *
Delivery Pressure Range	3.5 bar (50PSI) 6.0 bar (90PSI) 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)
Weight	5.0 kg (11.02 lbs) ****

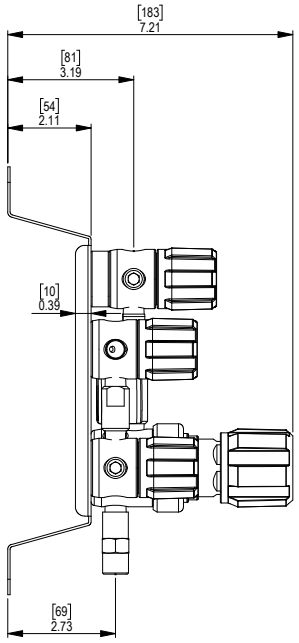
** Subject to cylinder connection – **** Subject to final configuration*

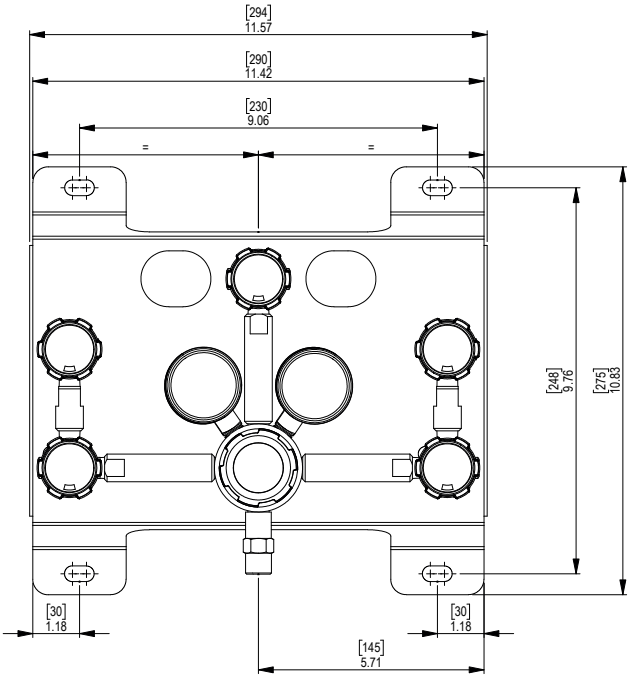
FLOW PERFORMANCE

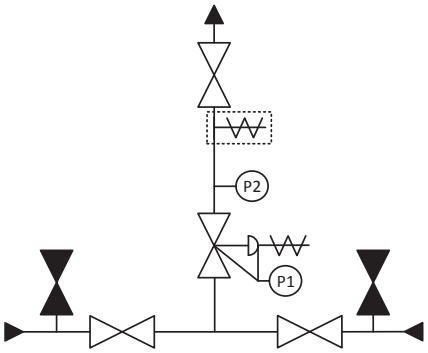


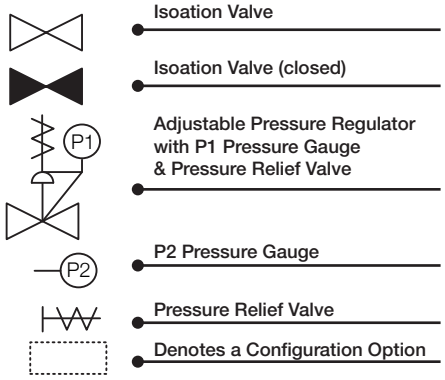
We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

DRAWINGS









MODEL NO. SELECTOR GUIDE

Example for a Model No. for LGM5030 Series

LGM5031- 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
LGM5031	**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
LGM5032	**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	**K** Certificate of Conformity
	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	**M** CO2 Burst Disc
					003 6mm Stainless Steel Compression	**03** 6mm Stainless Steel Compression	**P** Calibration/ Pressure Test Certificate
					004 1/4 NPT Male	**04** 1/4 NPT Male	**R** Fitted Pipeline Pressure Relief Valve
					007 G3/8 BSP R/H Brass Male	**06** G1/2 BSP R/H, Brass, Male	**T** Fitted High Pressure Purge Facility
					008 G3/8 BSP L/H Brass Male	**07** G3/8 BSP R/H, Brass, Male	**U** Fitted High Pressure Purge Facility, EPDM Seal
						08 G3/8 BSP L/H, Brass, Male	**X** Special Instruction

GCE® Gas Control Equipment

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