Gas Control Equipment

Lab Master LGD5030 Series

5.0 Purity Single Stage Nickel Plated Brass Barstock Diaphragm Differential Autochange Gas Control Panel



The Lab Master LGD5030 Series single stage differential autochange 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.

- **LGD5031** Series | Single Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, FKM Seal, Pressure Relief Valve
- **LGD5032** Series | Single Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, EPDM Seal, Pressure Relief Valve

FEATURES

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

MATERIAL

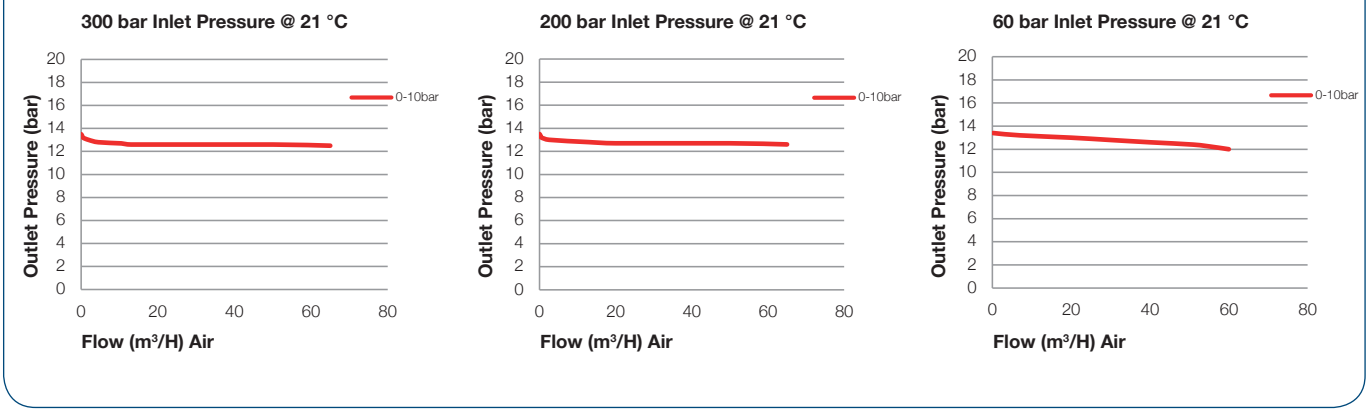
Body	Nickel Plated Brass Barstock
Bonnet	Plated Brass
Diaphragm	316L Stainless Steel
Bonnet Seal	PTFE
Seal	FKM / EPDM
Valve Seat	Polyamide (Nylon®)
Filter	10 Micron 316L Stainless Steel

SPECIFICATION

Maximum Inlet Pressure	15 bar (220 PSI) 60 bar (870 PSI) 300 bar (4350 PSI) *
Delivery Pressure Range	10 bar (150 PSI) Minimum
Gauges	50mm (2") Diameter
Ports	1/4" NPT Female
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Weight	8.0 kg (17.46 lbs) ****

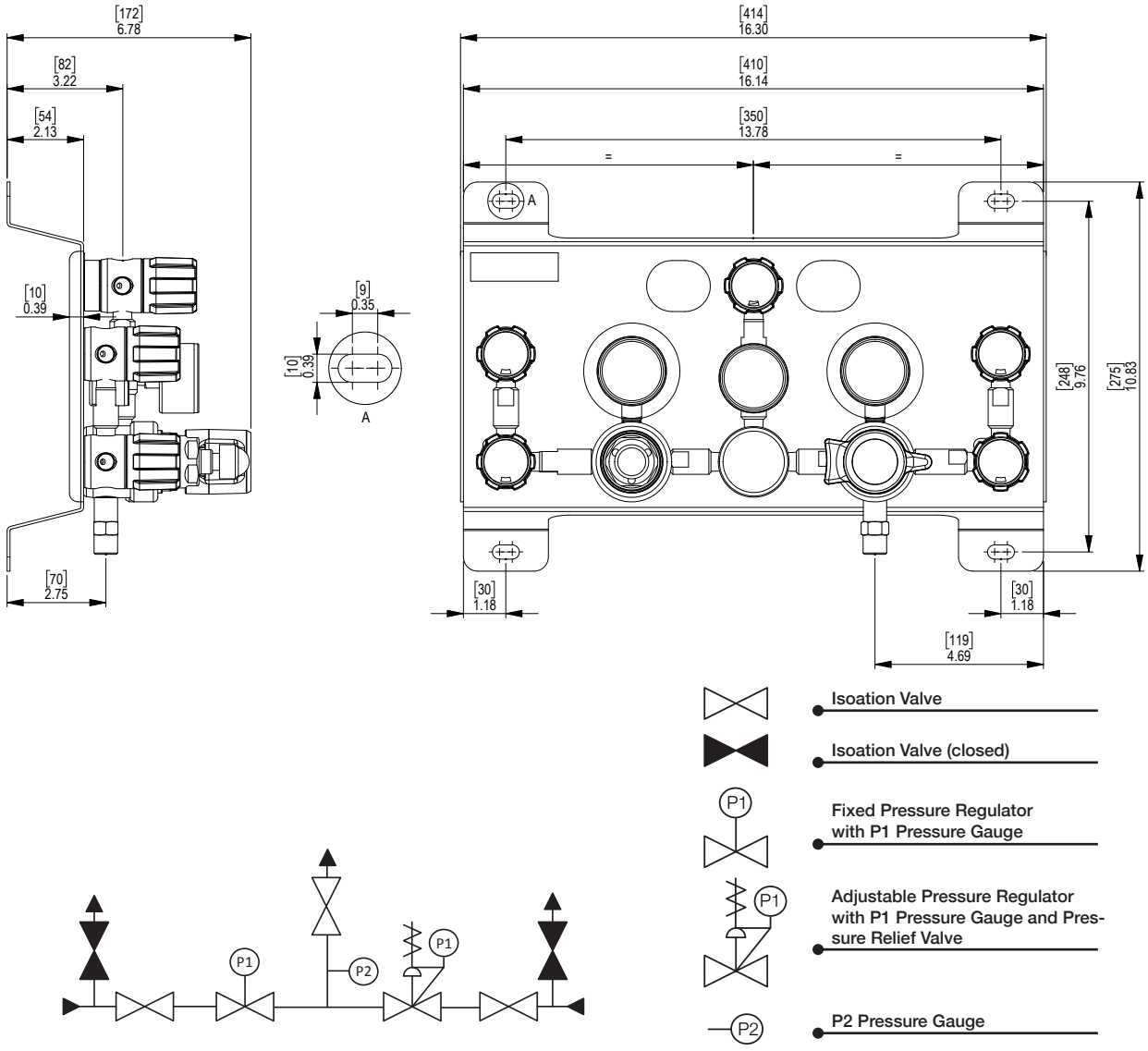
** Subject to cylinder connection – **** Subject to final configuration*

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 LGD5030 Series

LGD5031- 02- 05- 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
LGD5031	02 60 [870]	05 10 [150] min	00 No Gauge Fitted	00 No Gauge Fitted	000 1/4 NPT Female	00 1/4 NPT Female	A No Options Selected
LGD5032	04 300 [4350]		01 bar/PSI	01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	K Certificate of Conformity
			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	X Special Instruction
					007 G3/8 BSP R/H Brass Male	06 1/2 BSP R/H, Brass, Male	
					008 G3/8 BSP L/H Brass Male	07 G3/8 BSP R/H, Brass, Male	
						08 G3/8 BSP L/H, Brass, Male	

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