



Lab Master LGX5000 Series

5.0 Purity Two Stage Nickel Plated Brass Barstock Diaphragm Switch Change Gas Control Panel



The Lab Master LGX5000 Series two stage diaphragm switch change gas control panels are designed for the primary control of non-corrosive or toxic, high purity gases up to grade 5.0 (99.999%), on gas distribution systems where a constant delivery pressure is required.

■ **LGX5041** Series | Two Stage Twin Cylinder Diaphragm Switch Change Gas Control Panel, FKM Pressure Relief Valve

■ **LGX5042** Series | Two Stage Twin Cylinder Diaphragm Switch Change Gas Control Panel, EPDM Pressure Relief Valve

★ FEATURES

- Ergonomic ompact design
- Two stage pressure regulation
- Encapsulated seat design
- Wall mounting
- Twin cylinder configuration

📄 MATERIAL

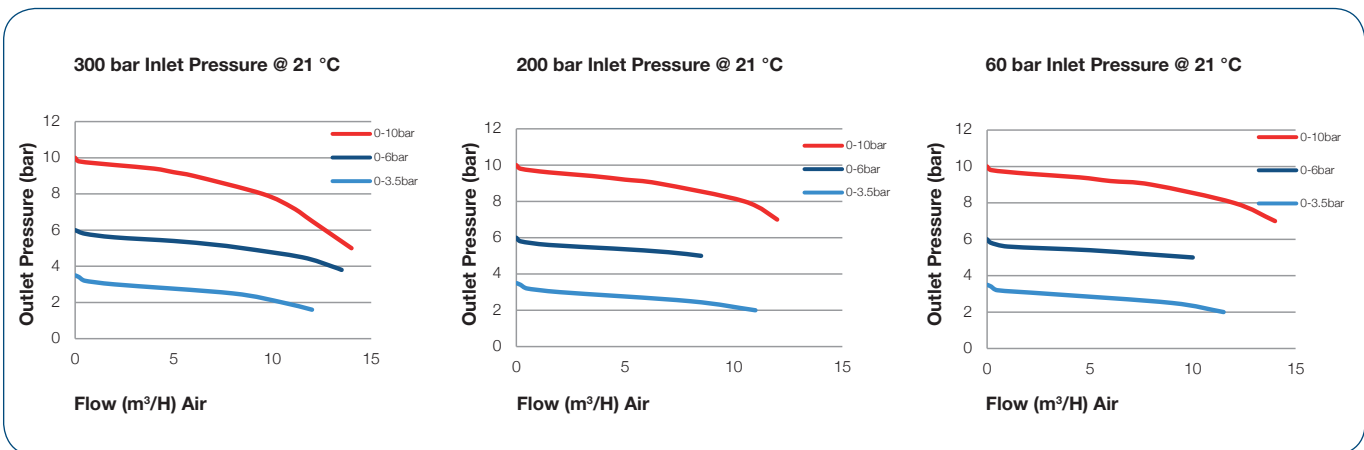
| | |
|---------------|--------------------------------|
| ■ Body | Nickel Plated Brass Barstock |
| ■ Bonnet | High Strength Alloy |
| ■ Diaphragm | 316L Stainless Steel |
| ■ Bonnet Seal | PTFE |
| ■ Valve Seat | Polyamide (Nylon®) |
| ■ Filter | 10 Micron 316L Stainless Steel |

👍 SPECIFICATION

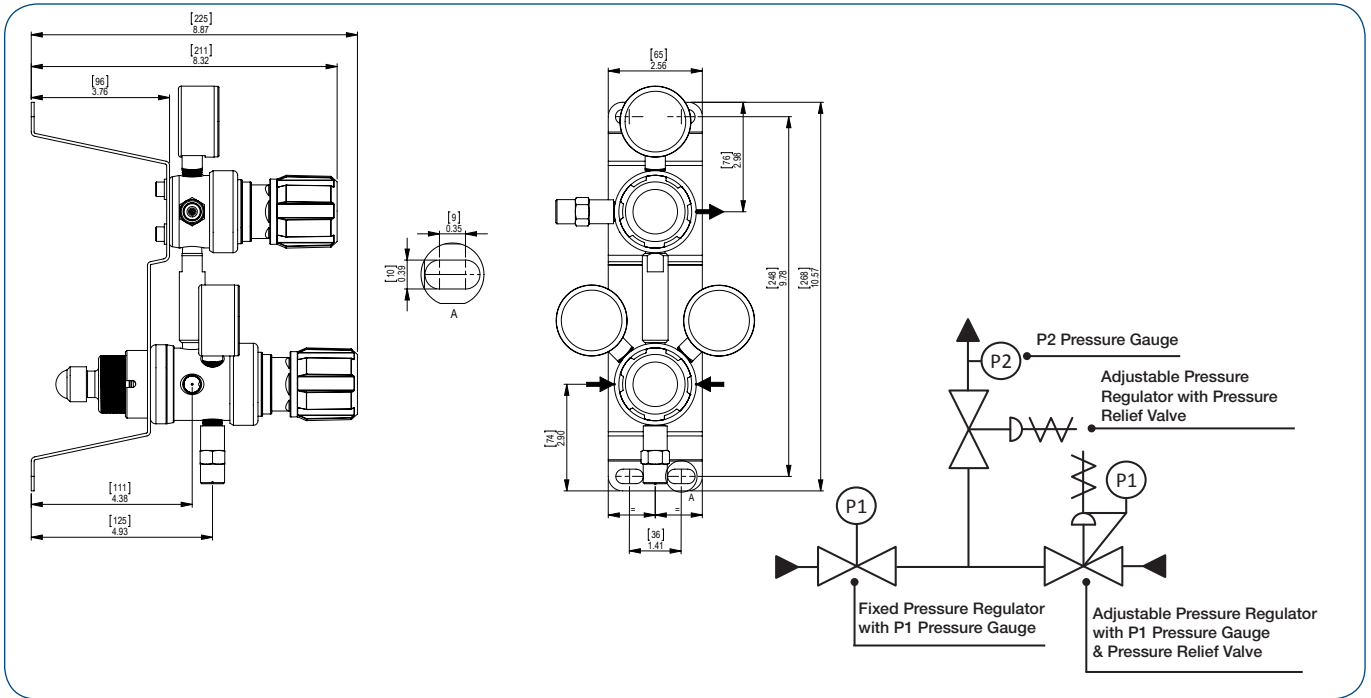
| | |
|---------------------------|---|
| ■ Maximum Inlet Pressure | 15 bar (220 PSI) 60 bar (870 PSI) 300 bar (4350 PSI)* |
| ■ Delivery Pressure Range | 3.5 bar (50 PSI) 6 bar (90 PSI) 10 bar (150 PSI) |
| ■ Gauges | 50mm (2") Diameter |
| ■ Inlet Ports | 1/4" NPT Female |
| ■ Outlet Ports | 1/4" NPT Female |
| ■ Temperature Range | -20° C to +60° C (-4° F to +140° F) |
| ■ Weight | 3.55 kg (7.72 lbs) **** |

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

✓ FLOW PERFORMANCE



DRAWINGS



1 2 MODEL NO. SELECTOR GUIDE

Example for a Model No. for LGX5000 Series

| Product Type | Inlet Pressure Bar [PSI] | Outlet Pressure Bar [PSI] | Inlet Pressure Gauge | Outlet Pressure Gauge | Inlet/Cylinder Connection | Outlet Connection | Options |
|--------------|--------------------------|---------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------|--|
| LGX5041 | 06 15 [220] | 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 |
| LGX5042 | 02 60 [870] | 04 0 to 6 [90] | 01 bar/PSI | 01 bar/PSI | 001 1/8 Stainless Compression | 01 1/8 Stainless Compression | K Certificate of Conformity |
| | 04 300 [4350] | 05 0 to 10 [1450] | 02 bar/PSI Contact Gauge | | 002 1/4 Stainless Compression | 02 1/4 Stainless Compression | P Calibration/ Pressure Test Certificate |
| | | | | | 065 3/8 Stainless Compression | 65 3/8 Stainless Compression | X Special Instruction |
| | | | | | 067 1/2 Stainless Compression | 67 1/2 Stainless Compression | |
| | | | | | 003 6mm Stainless Compression | 03 6mm Stainless Compression | |
| | | | | | 091 8mm Stainless Compression | 91 8mm Stainless Compression | |
| | | | | | 066 10mm Stainless Compression | 66 10mm Stainless Compression | |
| | | | | | 068 12mm Stainless Compression | 68 12mm Stainless Compression | |
| | | | | | 004 1/4 NPT Male | 04 1/4 NPT Male | |
| | | | | | 007 G3/8 BSP R/H Brass Male | 07 G3/8 BSP R/H Brass Male | |
| | | | | | 008 G3/8 BSP L/H Brass Male | 08 G3/8 BSP L/H Brass Male | |
| | | | | | 058 1/4 NPTF 90° Elbow | | |