

Lab Master LGT500 Series

5.0 Purity Two Stage Nickel Plated Brass Barstock Diaphragm
Cylinder Regulator



The Lab Master LGT500 Series two stage diaphragm cylinder regulators are designed for primary pressure gas control of non-corrosive or toxic, high purity gases up to grade 5.0 purity (99.999%), on applications where constant delivery pressure is required as cylinder pressure decreases.

- **LGT501 Series** | Two Stage Diaphragm Cylinder Regulator, FKM Seal, FKM Pressure Relief Valve
- **LGT502 Series** | Two Stage Diaphragm Cylinder Regulator, EPDM Seal, EPDM Pressure Relief Valve

★ FEATURES

- Six port configuration
- Encapsulated seat design
- Low wetted surface area
- Full range of inlet and outlet fittings
- Side entry

🔧 MATERIAL

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

👍 SPECIFICATION

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|---------------------------|--|
| ■ Maximum Inlet Pressure | 60 bar (870 PSI)
300 bar (4350 PSI) * |
| ■ Delivery Pressure Range | 1.5 bar (22 PSI)
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) |
| ■ Weight | 1.7 kg (3.8 lb) ** |

* Subject to cylinder connection – ** Cylinder connection not included

✓ FLOW PERFORMANCE



