

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



- 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 316L Stainless Steel Diaphragm

 Bonnet Seal PTFE

■ Pressure Relief Valve Seal FKM / EPDM

■ Valve Seat Polyamide (Nylon®)

■ Filter 10 Micron 316L Stainless Steel

SPECIFICATION

60 bar (870 PSI) Maximum Inlet Pressure

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)

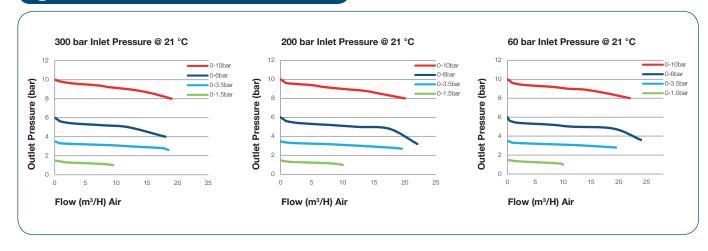
Gauges 50mm (2") Diameter Ports 1/4" NPT Female

■ Temperature Range -20° C to +60° C (-4° F to +140° F)

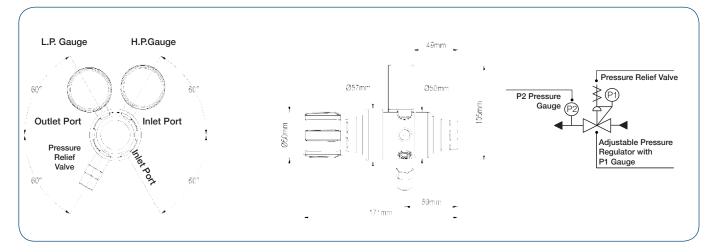
Weight 1.7 kg (3.8 lb) **

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

FLOW PERFORMANCE



OD DRAWINGS



MODEL NO. SELECTOR GUIDE

Example for a Model No. for LGT500 Series

LGT501-	- 02-		02-		00-		00-		000-		00-		A	
Product Type		Inlet ressure ar [PSI]	Pr	Outlet essurek ar [PSI]	Inle	et Pressure Gauge	ı	Outlet Pressure Gauge	ı	nlet/Cylinder Connection		Outlet Connection		Options
LGT501	02	60 [870]	02	0 to 1.5 [22]	00	No Gauge Fitted	00	No Gauge Fitted	000	No Inlet Fitted	00	Ohne Verschraubung (1/4" NPT F)	Α	No Options Selected
LGT502	04	300 [4350]	03	0 to 3.5 [50]	01	bar/PSI	01	bar/PSI	001	1/8 Stainless Steel Compression	01	1/8 Stainless Steel Compression	В	Regulator Tee Purge FKM
			04	0 to 6 [90]	10	Plugged Port	10	Plugged Port	002	1/4 Stainless Steel Compression	02	1/4 Stainless Steel Compression	С	Regulator Tee Purge EPDM
			05	0 to 10 [150]					003	6mm Stainless Steel Compression	03	6mm Stainless Steel Compression	K	Certificate of Conformity (CoC)
									004	1/4 NPT Male	04	1/4 NPT Male	Р	Calibration / Pressure Test Certificate
									007	G3/8 BSP R/H Brass Male	07	G3/8 BSP R/H, Brass, Male	X	Special Instruction
									008	G3/8 BSP L/H Brass Male	80	G3/8 BSP L/H, Brass, Male		
									010	BS341 No.3	10	Isolation Valve, 1/4 NPT Female, EPDM Seal		
									012	BS341 No.4	11	Isolation Valve, 1/8 Stainless Steel Compression, FKM Seal		
									015	BS341 No.8	12	Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal		
									030	DIN477 No.6	13	Isolation Valve, 1/4 Stainless Steel Compression, FKM Seal		
									033	DIN477 No.9	14	Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal		
									034	DIN477 No.10	15	Isolation Valve, 6mm Stainless Steel Compression, FKM Seal		
									045	CGA320	16	Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal		
									052	CGA540	17	Isolation Valve, 1/4 NPT Male, FKM Seal		
									053	CGA580	18	Isolation Valve, 1/4 NPT Male, EPDM Seal		
									conr	our complete range of cylinder nections refer to 'Cylinder nections Data'	19	Isolation Valve, G3/8 BSP R/H Brass Male, FKM Seal		
											20	Isolation Valve, G3/8 BSP R/H Brass Male, EPDM Seal		
											21	Isolation Valve, G3/8 BSP L/H Brass Male, FKM Seal		
											22	Isolation Valve, G3/8 BSP L/H Brass Male, EPDM Seal		

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