

5.0 Purity Single Stage Nickel Plated Brass Barstock Diaphragm Line Regulator for Acetylene



The Lab Master LGL510 Series single stage diaphragm line regulators are designed for secondary pressure gas control of high purity Acetylene gas up to grade 5.0 purity (99.999%), on gas distribution systems.

■ LGL510 Series | Single Stage Diaphragm Line Regulator - Acetylene



- Four port configuration
- Rear panel mounting capabilities
- Encapsulated seat design
- Low wetted surface area
- Full range of inlet and outlet fittings
- Side entry

#### **MATERIAL**

Body Nickel Plated Brass Barstock

High Strength Alloy Bonnet Diphragm 316L Stainless steel

PTFE Seal

Seat Polyamide (Nylon®)

■ Filter 10 Micron 316L Stainless Steel

#### **SPECIFICATION**

Maximum Inlet Pressure 1.5 bar (22 PSI) ■ Delivery Pressure Range 1.0 bar (15 PSI)

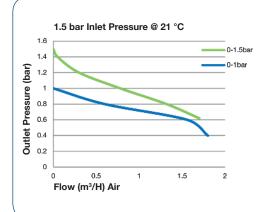
1.5 bar (22 PSI)

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

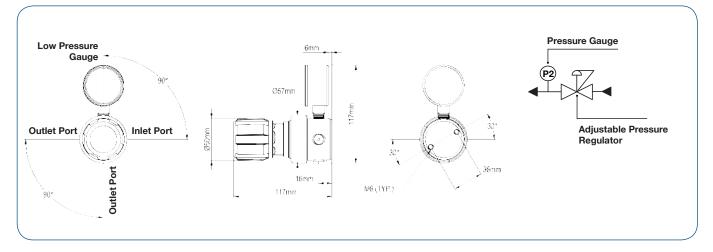
■ Temperature Range -20° C to +60° C (-4° F to +140° F)

■ Weight 1.1 kg (2.5 lb)

### **FLOW PERFORMANCE**



# (1) DRAWINGS



## MODEL NO. SELECTOR GUIDE

#### Example for a Model No. for LGL510 Series

LGL510	- 07-	02-	00-	00-	001-	01-	Α
Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI		e Outlet Pressure Gauge	Inlet Connection	Outlet Connection	Options
LGL510	<b>07</b> 1.5 [22]	<b>01</b> 0 to 1.0 [15]	00 No Gauge Fitted	00 No Gauge Fitted	000 1/4 NPT Female	00 1/4 NPT Female	A No Options Selected
		02 0 to 1.5 [22]		01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	K Certificate of Conformity (CoC)
				10 Plugged Port	002 1/4 Stainless Steel Compression	02 1/4 Stainless Steel Compression	P Calibration / Pressure Test Certificate
					003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	X Special Instruction
					004 1/4 NPT Male	<b>04</b> 1/4 NPT Male	
					008 G3/8 BSP L/H Brass Male	08 G3/8 BSP L/H Brass Male	
						10 Isolation Valve, 1/4 NPT Female EPDM Seal	),
						12 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Sea	1
						14 Isolation Valve, 1/4 Stainless Steel Compression, EPDM Sea	
						16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Sea	ı
						18 Isolation Valve, 1/4 NPT Male, EPDM Seal	
						22 Isolation Valve, G3/8 BSP R/H Brass Male, EPDM Seal	