



# Lab Master LGP500 Series

5.0 Purity Single Stage Nickel Plated Brass Barstock Diaphragm  
Outlet Point Regulator



The Lab Master LGP500 Series single stage diaphragm outlet point regulators are designed for secondary pressure gas control of non-corrosive or toxic, high purity gases up to grade 5.0 purity (99.999%), on gas distribution systems.

■ **LGP500 Series** | Single Stage Diaphragm Outlet Point Regulator

## ★ FEATURES

- Three port configuration
- Rear point mounting (1/4 NPT male)
- Encapsulated seat design
- Low wetted surface area
- Full range of inlet and outlet fittings
- Rear entry

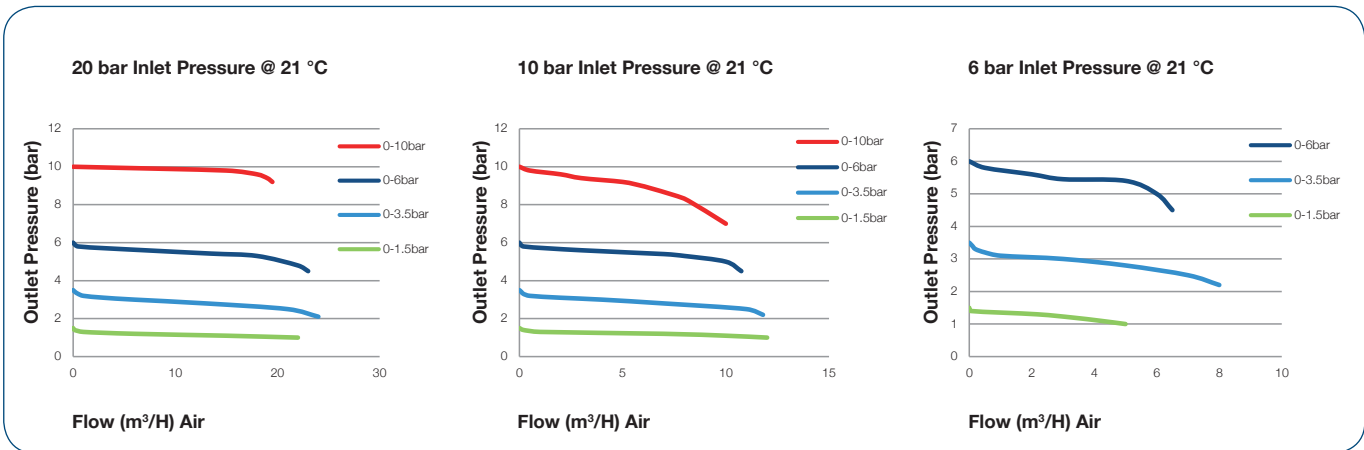
## 📄 MATERIAL

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

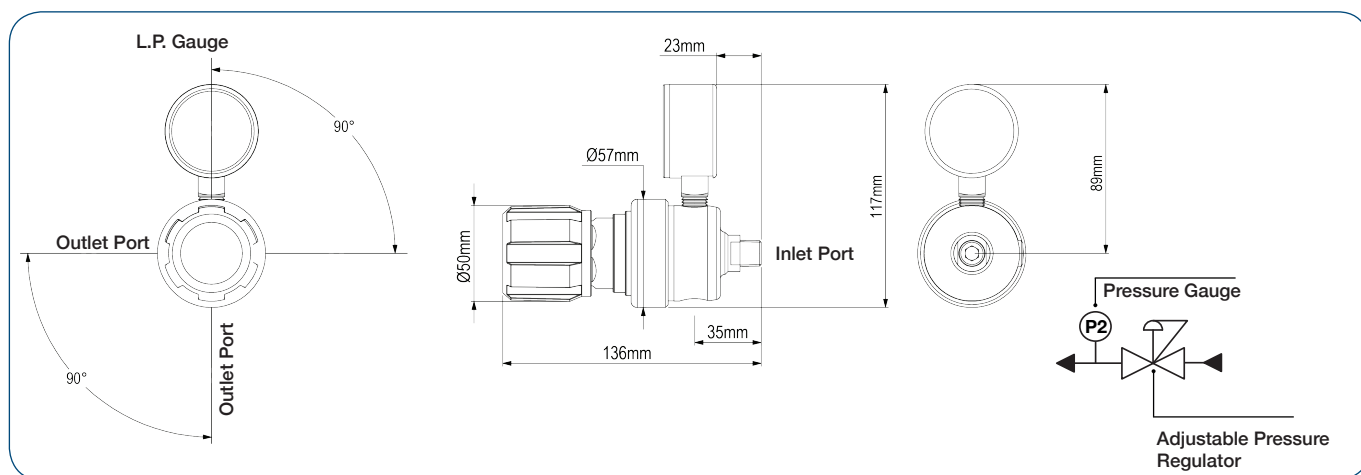
## 👍 SPECIFICATION

■ Maximum Inlet Pressure	60 bar (870 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	<b>Inlet:</b> 1/4" NPT Female <b>Outlet:</b> 1/4" NPT Male
■ Temperature Range	-20° C to +60° C (-4° F to +140° F)
■ Flow Coefficient (Cv)	0.1
■ Weight	1.2 kg (2.7 lb)

## ✓ FLOW PERFORMANCE



## DRAWINGS



## MODEL NO. SELECTOR GUIDE

Example for a Model No. for LGP500 Series

LGP500-	02-	02-	00-	00-	004-	01-	A
Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet Connection	Outlet Connection	Options
LGP500	02 60 bar [870]	02 0 to 1.5 [22]	00 No Gauge Fitted	00 No Gauge Fitted	004 1/4 NPT Male	00 1/4 NPT Female	A No Options Selected
		03 0 to 3.5 [50]		01 bar/PSI		01 1/8 Stainless Steel Compression	K Certificate of Conformity (CoC)
		04 0 to 6 [90]		10 Plugged Port		02 1/4 Stainless Steel Compression	P Calibration / Pressure Test Certificate
		05 0 to 10 [150]				03 6mm Stainless Steel Compression	X Special Instruction
						04 1/4 NPT Male	
						06 G1/2 BSP R/H Brass Male	
						07 G3/8 BSP R/H Brass Male	
						08 G3/8 BSP L/H Brass Male	

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