Regulator

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

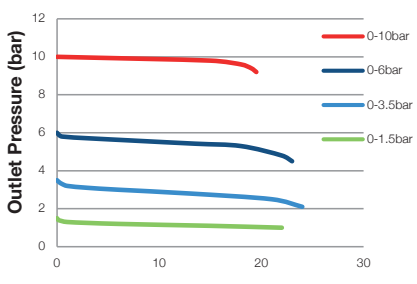
Body	Nickel Plated Brass Barstock
Bonnet	High Strength Alloy
Diaphragm	316L Stainless Steel
Seal	PTFE
Seat	Polyamide (Nylon®)
Filter	10 Micron 316L Stainless Steel

SPECIFICATION

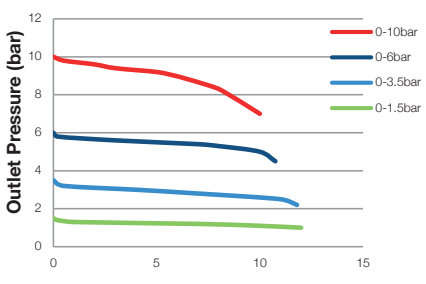
Maximum Inlet Pressure	60 bar (870 PSI)
Delivery Pressure Range	1.5 bar (22 PSI)
	3.5 bar (50 PSI)
	6 bar (90 PSI)
	10 bar (150 PSI)
Gauges	50mm (2") Diameter
Ports	1/4" NPT Female
	1/4" NPT Male
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Weight	1.2 kg (2.7 lb)

FLOW PERFORMANCE

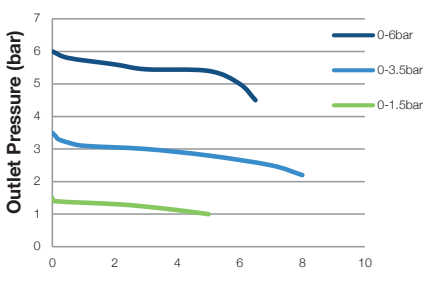
20 bar Inlet Pressure @ 21 °C



10 bar Inlet Pressure @ 21 °C

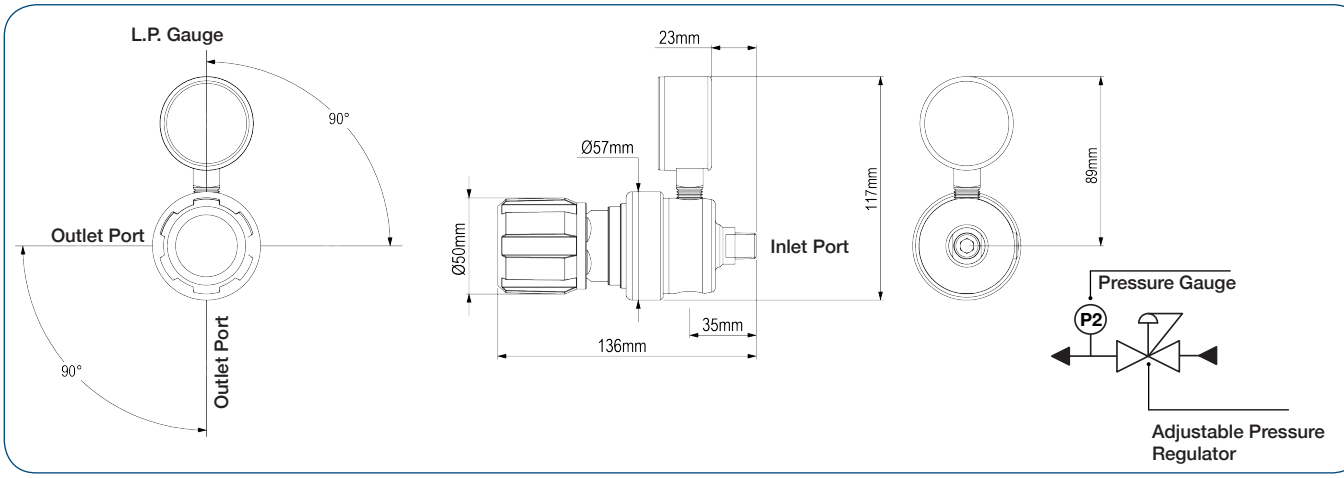


6 bar Inlet Pressure @ 21 °C



We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

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	

GCE® Gas Control Equipment

CK Isotopes Ltd, Office 1&2, The Stables,
Newtown Grange Farm Buisness Park,
Desford Road, Newtown Unthank,
Leicestershire, LE9 9FL

WWW.GASCONTROLEQUIPMENT.CO.UK - Tel: 01455 360180 - Email: SALES@CK-GCE.CO.UK

GASARC BY GCE SPECIALITY

Headoffice / Factory UK
Gas-Arc Group Limited
Vinces Road | Diss | Norfolk | IP22 4WW | UK