Gas Control Equipment

Tech Master GPL420 Series

4.5 Purity Single Stage Brass Barstock Piston Line Regulator



The Tech Master GPL420 Series single stage piston line regulators are designed for secondary pressure gas control of non-corrosive or toxic, technical grade gases up to grade 4.5 purity (99.995%), on gas distribution systems.

- **GPL421** Series | Single Stage Piston Line Regulator, FKM Seal
- **GPL422** Series | Single Stage Piston Line Regulator, EPDM Seal

FEATURES

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

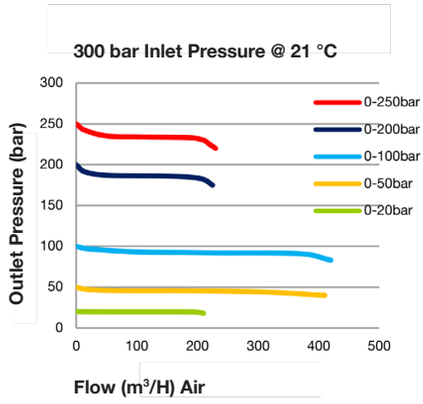
MATERIAL

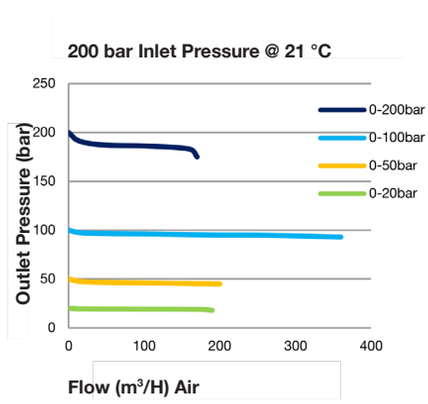
Body	Brass Barstock
Bonnet	Brass Barstock
Piston	Brass
Seal	FKM / EPDM
Seat	Polyamide (Nylon®)
Filter	10 Micron 316L Stainless Steel

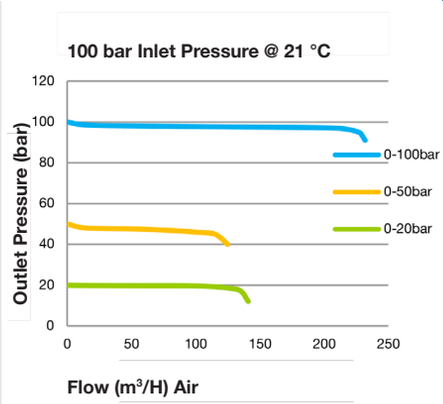
SPECIFICATION

Maximum Inlet Pressure	300 bar (4350 PSI)
Delivery Pressure Range	20 bar (300 PSI)
	50 bar (725 PSI)
	100 bar (1450 PSI)
	200 bar (2900 PSI)
	250 bar (3625 PSI)
Gauges	50mm (2") Diameter
Ports	1/4" NPT Female
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Flow Coefficient (Cv)	0.1
Weight	1.4 kg (3.1 lb)

FLOW PERFORMANCE

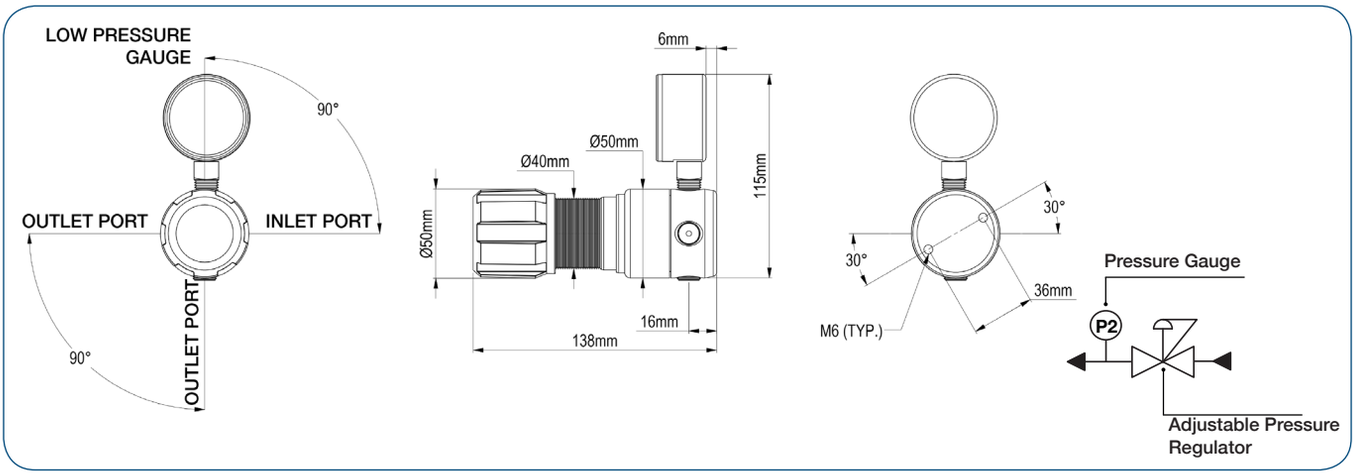






We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

DRAWINGS



MODEL NO. SELECTOR GUIDE

Example for a Model No. for GPL420 Series

GPL421- 04- 07- 00- 00- 001- 01- A

Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet Connection	Outlet Connection	Options
GPL421	**04** 300 bar [4350]	**07** 0 to 20 [300]	**00** No Gauge Fitted	**00** No Gauge Fitted	**000** 1/4 NPT Female	**00** 1/4 NPT Female	**A** No Options Selected
GPL422		**10** 0 to 50 [725]		**01** bar/PSI	**001** 1/8 Stainless Steel Compression	**01** 1/8 Stainless Steel Compression	**F** Bonnet Vent Kit
		11 0 to 100 [1450]		**10** Plugged Port	**002** 1/4 Stainless Steel Compression	**02** 1/4 Stainless Steel Compression	**K** Certificate of Conformity (CoC)
		12 0 to 200 [2900]			**003** 6mm Stainless Steel Compression	**03** 6mm Stainless Steel Compression	**L** Panel Mount Locking Nut Kit
		13 0 to 250 [3625]			**004** 1/4 NPT Male	**04** 1/4 NPT Male	**P** Calibration / Pressure Test Certificate
					007 G3/8 BSP R/H Brass Male	**05** 1/4 SAE Flare Brass Male	**X** Special Instruction
					008 G3/8 BSP L/H Brass Male	**06** 1/2 BSP Brass Male	
						07 G3/8 BSP R/H Brass Male	
						08 G3/8 BSP L/H Brass Male	
						09 Isolation Valve, 1/4 NPT Female, FKM Seal	
						10 Isolation Valve, 1/4 NPT Female, EPDM Seal	
						11 Isolation Valve, 1/8 Stainless Steel Compression, FKM Seal	
						12 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal	
						13 Isolation Valve, 1/4 Stainless Steel Compression, FKM Seal	
						14 Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal	
						15 Isolation Valve, 6mm Stainless Steel Compression, FKM Seal	
						16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal	
						17 Isolation Valve, 1/4 NPT Male, FKM Seal	
						18 Isolation Valve, 1/4 NPT Male, EPDM Seal	
						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	

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