



TECH MASTER GPL420 SERIES

4.5 Purity Single Stage Brass Barstock High Pressure Piston Line Regulators

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



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

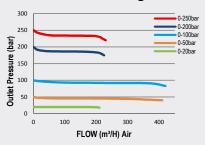


Maximum Inlet Pressure	300 bar (4350 PSI)			
Delivery Pressure Range	20 bar (300 PSI) / 50 bar (725 PSI) / 100 bar (1450 PSI) / 200 bar (2900 PSI) / 250 bar (3630 PSI)			
Gauges	50mm (2") Diameter			
Ports	1/4" NPT Female			
Temperature Range	-20° C to +60° C (-4° F to +140° F)			
Flow Coefficient (Cv)	0.1			
Weight	1.4 kg (3.1 lb)			

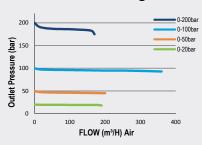


FLOW PERFORMANCE

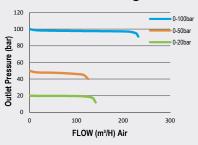
300 bar Inlet Pressure @ 21°C



200 bar Inlet Pressure @ 21°C

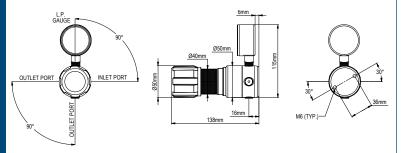


100 bar Inlet Pressure @ 21°C











- Adjustable Pressure Regulator - P2 Pressure Gauge



Model No. Selector Guide									
Product Type	Inlet Pressure	Outlet Pressue	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options		
GPL421	04 300 bar / 4350 PSI	07 -1-20 bar / 300 PSI	00 No Gauge Fitted	00 No Gauge Fitted	000 No Inlet Fitted	00 No Outlet Fitted	A No Options Selected		
GPL422		10 -1-50 bar / 725 PSI		01 Bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	K Certificate of Conformity		
		11 0-100 bar / 1450 PSI			002 1/4 Stainless Steel Compression	02 1/4 Stainless Steel Compression	L Panel Mount Locking Nut Kit		
		12 0-200 bar / 2900 PSI			003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	P Calibration / Pressure Test Certificate		
		13 0-250 bar / 3630 PSI			004 1/4 NPT Male	04 1/4 NPT Male	X Special Instruction		
					007 G3/8 BSP R/H Brass Male	05 1/4 SAE Flare Brass Male			
					008 G3/8 BSP L/H Brass 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			
						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			