

GASARC™

AN ESAB® BRAND



TECH MASTER GPT420 SERIES

4.5 Purity Two Stage Brass Barstock Piston Cylinder Regulator

Tech Master GPT420 Series two stage piston cylinder regulators are designed for primary pressure gas control of non-corrosive or toxic, technical gases upto grade 4.5 purity (99.995%), on applications where constant delivery pressure is required as the cylinder pressure decreases.

- **GPT421 Series** | Two Stage Piston Cylinder Regulator, FKM Seal
- **GPT422 Series** | Two Stage Piston Cylinder Regulator, EPDM Seal

★ FEATURES

- Five port configuration
- Front panel mounting capabilities
- Encapsulated seat design
- Low wetted surface area
- Full range of inlet and outlet fittings
- Base and side entry

📄 MATERIALS

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

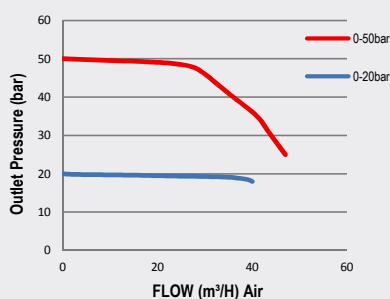
* Subject to cylinder connection ** Cylinder connection not included

👍 SPECIFICATION

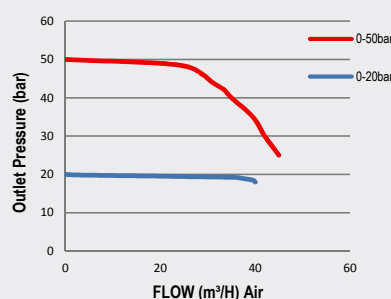
Maximum Inlet Pressure	60 bar (870 PSI) / 300 bar (4350 PSI)*
Delivery Pressure Range	20 bar (300 PSI) / 50 bar (725 PSI)
Gauges	50mm (2") Diameter
Ports	1/4" NPT Female
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Flow Coefficient (Cv)	0.079
Weight	2.1 kg (4.7 lb)**

✓ FLOW PERFORMANCE

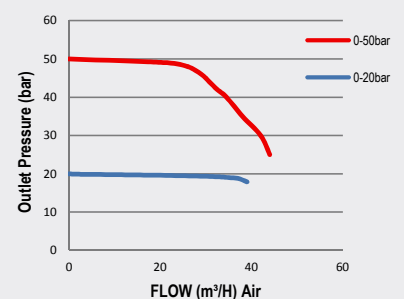
300 bar inlet pressure @ 21°



200 bar inlet pressure @ 21°

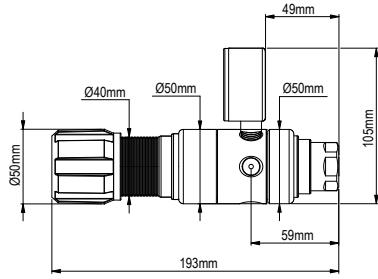
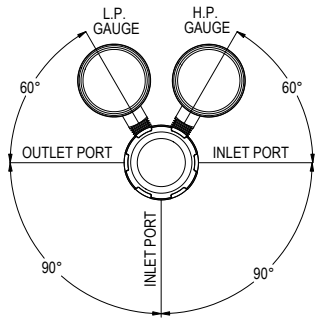


100 bar inlet pressure @ 21°

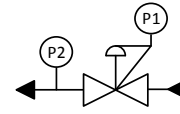




DIMENSIONS



PROCESS & INSTRUMENTATION



- Adjustable Pressure Regulator with P1 Pressure Gauge



- P2 Pressure Gauge

Model No. Selector Guide

Product Type	Inlet Pressure	Outlet Pressure	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options
GPT421	02 60 bar / 870 PSI	07 -1 - 20 bar / 300 PSIG	00 No Gauge Fitted	00 No Gauge Fitted	000 No Inlet Fitted	00 No Outlet Fitted	A No Options Selected
GPT422	04 300 bar / 4350 PSI	10 -1 - 50 bar / 725 PSIG	01 bar/PSI	01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	K Certificate of Conformity
					002 1/4 Stainless Steel Compression	02 1/4 Stainless Steel Compression	L Panel Mount Locking Nut Kit
					003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	P Calibration/ Pressure Test Certificate
					004 1/4 NPT Male	04 1/4 NPT Male	X Special Instruction
					007 G3/8 BSP R/H Brass Male	07 G3/8 BSP R/H Brass Male	
					008 G3/8 BSP L/H Brass Male	08 G3/8 BSP L/H Brass Male	
					009 BS341 No.3 (Base Entry)	09 Isolation Valve, 1/4 NPT Female, FKM Seal	
					010 BS341 No.3	10 Isolation Valve, 1/4 NPT Female, EPDM Seal	
					011 BS341 No.4 (Base Entry)	11 Isolation Valve, 1/8 Stainless Steel Compression, FKM Seal	
					012 BS341 No.4	12 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal	
					015 BS341 No.8	13 Isolation Valve, 1/4 Stainless Steel Compression, FKM Seal	
					030 DIN477 No.6	14 Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal	
					033 DIN477 No.9	15 Isolation Valve, 6mm Stainless Steel Compression, FKM Seal	
					034 DIN477 No. 10	16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal	
					045 CGA320	17 Isolation Valve, 1/4 NPT Male, FKM Seal	
					052 CGA540	18 Isolation Valve, 1/4 NPT Male, EPDM seal	
					053 CGA580	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	