



TECH MASTER GPT400 SERIES

4.5 Purity Two Stage Brass Barstock Diaphragm Cylinder Regulator

Tech Master GPT400 series two stage diaphragm cylinder regulators are designed for primary pressure gas control of non-corrosive or toxic, technical gases up to grade 4.5 purity (99.995%), on applications where constant delivery pressure is required as the cylinder pressure decreases.

- **GPT401 Series** | Two Stage Diaphragm Cylinder Regulator, FKM Seal
- **GPT402 Series** | Two Stage Diaphragm Cylinder Regulator, EPDM Seal

★ FEATURES

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

📄 MATERIALS

Body	Brass Barstock
Bonnet	High Strength Alloy
Diaphragm	Polychloroprene (Neoprene®) (CR)
Seat	Polyamide (Nylon®)
Filter	10 Micron 316L Stainless Steel

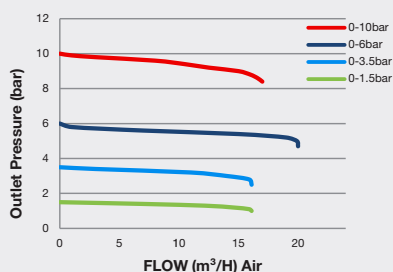
👍 SPECIFICATION

Maximum Inlet Pressure	60 bar (870 PSI) / 300 bar (4350 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
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Flow Coefficient (Cv)	0.079
Weight	1.8 kg (4.0 lb)**
	EN ISO 2503 Compliant

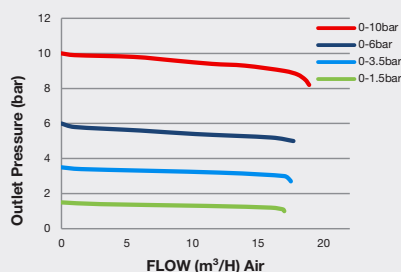
* Subject to cylinder connection ** Cylinder connection not included

✓ FLOW PERFORMANCE

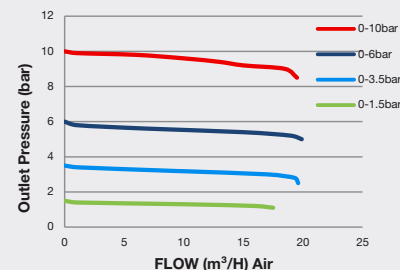
300 bar Inlet Pressure @ 21° C



200 bar Inlet Pressure @ 21° C

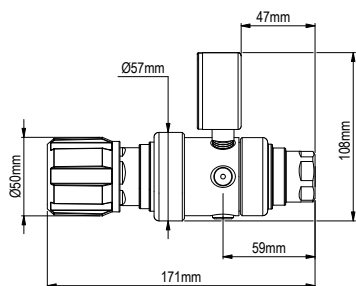
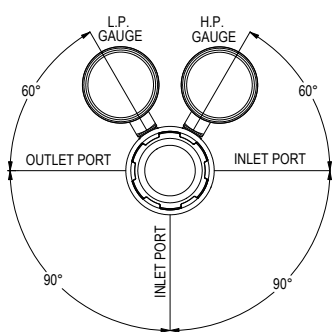


60 bar Inlet Pressure @ 21° C

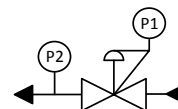




DIMENSIONS



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
GPT401	02 60 bar / 870 PSI	02 -1 - 1.5 bar / 22 PSIG	00 No Gauge Fitted	00 No Gauge Fitted	000 No Inlet Fitted	00 No Outlet Fitted	A No Options Selected
GPT402	04 300 bar / 4350 PSI	03 -1 - 3.5 bar / 50 PSIG	01 bar/PSI	01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	K Certificate of Conformity
		04 -1 - 6 bar / 90 PSIG	10 Plugged Port	10 Plugged Port	002 1/4 Stainless Steel Compression	02 1/4 Stainless Steel Compression	P Calibration / Pressure Test Certificate
		05 -1 - 10 bar / 150 PSIG			003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	X Special Instruction
					004 1/4 NPT Male	04 1/4 NPT Male	
					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	
					009 BS341 No.3 (Base Entry)	07 G3/8 BSP R/H Brass Male	
					010 BS341 No.3	08 G3/8 BSP L/H Brass Male	
					011 BS341 No.4 (Base Entry)	09 Isolation Valve, 1/4 NPT Female, FKM Seal	
					012 BS341 No.4	10 Isolation Valve, 1/4 NPT Female, EPDM Seal	
					015 BS341 No.8	11 Isolation Valve, 1/8 Stainless Steel Compression, FKM Seal	
					030 DIN447 No.6	12 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal	
					033 DIN447 No.9	13 Isolation Valve, 1/4 Stainless Steel Compression, FKM Seal	
					034 DIN447 No.10	14 Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal	
					045 CGA320	15 Isolation Valve, 6mm Stainless Steel Compression, FKM Seal	
					052 CGA540	16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal	
					053 CGA580	17 Isolation Valve, 1/4 NPT Male, FKM Seal	
					For our complete range of cylinder connections refer to 'Cylinder Connections Data'	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	