



TECH MASTER **GPS410 SERIES**

4.5 Purity Single Stage Brass Barstock Diaphragm Cylinder Regulator - Acetylene

Tech Master GPS410 series single stage diaphragm cylinder regulators are designed for primary pressure gas control of technical grade Acetylene gas up to 4.5 purity (99.995%), on applications where slight pressure variation from decreasing cylinder pressure is acceptable.

■ **GPS410 Series** | Single Stage Diaphragm Cylinder Regulator, EPDM Pressure Relief Valve -Acetylene



FEATURES

Five port configuration

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

^{**} Cylinder connection not included

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SPECIFICATION

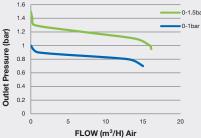
Maximum Inlet Pressure	25 bar (360 PSI)			
Delivery Pressure Range	1 bar (15 PSI) / 1.5 bar (22 PSI)			
Gauges	50mm (2") Diameter			
Ports	1/4" NPT Female			
Temperature Range	-20° C to +60° C (-4° F to +140° F)			
Flow Coefficient (Cv)	0.1			
Weight	1.2 kg (2.7 lb)**			



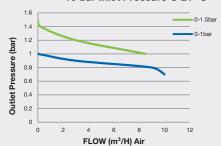
FLOW PERFORMANCE

20 bar Inlet Pressure @ 21° C

1.6 1.4 1.2

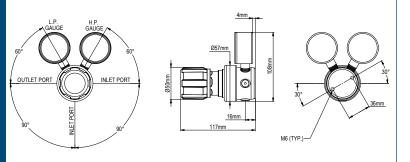


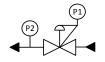
10 bar Inlet Pressure @ 21° C













- Adjustable Pressure Regulator with P1 Pressure Gauge



- P2 Pressure Gauge

Product Type Inlet Pressure Gauge Utilet Pressure Gauge Pressure Gauge Connection Options GP\$410	Model No. Selector Guide										
PSI Fitted Fitted		Inlet Pressure	Outlet Pressue		Pressure	Inlet/Cylinder Connection	Outlet Connection	Options			
PSI 10 Plugged Port 10 Port Stainless Steel Compression 11 Port Stainless Steel Compression 12 Port Stainless Steel Compression 13 Port Stainless Steel Compression 14 Port Stainless Steel Compression 15 Port Compression 16 Port Stainless Steel Compression 17 Port Stainless Steel Compression 18 Port Stainless Steel Compression 19 Port Stainless Steel Compression 19 Port Stainless Steel Compression 10 Port Stainless Steel Compression 10 Port Stainless Steel Compression 11 Port Stainless Steel Compression 12 Port Stainless Steel Compression 13 Port Stainless Steel Compression 14 Port Stainless Steel Compression 15 Port Stainless Steel Compression 16 Port Stainless Steel Compression 17 Pressure Test Certificate 18 Port Stainless Steel Compression 19 Port Stainless Steel Compression 19 Port Stainless Steel Compression 10 Port Stainless Steel Com	GPS410	01 25 bar / 360 PSI				000 No Inlet	00 No Outlet				
Port Port Compression Pressure Test Certificate X Special Instruction Compression 004 1/4 NPT Male 04 1/4 NPT Male 04 1/4 NPT Male 05 1/4 SAE Flare Brass Male Male 011 BS341 No.4 (Base Entry) 012 BS341 No.4 (Base Entry) 012 BS341 No.4 01 Isolation Valve, 1/4 NPT Female, EPDM Seal 027 DIN477 No.3 12 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal 050 CGA510 16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 18 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 18 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 19 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 19 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 19 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 20 Isolation Valve, 6mm Stainless Ste				01 bar/PSI	01 bar/PSI		01 1/8 Stainless Steel Compression				
Compression Compression							02 1/4 Stainless Steel Compression	Pressure Test			
008 G3/8 BSP L/H Brass Male 05 1/4 SAE Flare Brass Male 011 BS341 No.4 (Base Entry) 012 BS341 No.4 10 Isolation Valve, 1/4 NPT Female, EPDM Seal 12 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal 028 DIN447 No.3.1 14 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal 050 CGA510 16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 18 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 18 Isolation Valve, 1/4 NPT Male, EPDM Seal 18 Isolation Valve, 1/4 NPT Male, EPDM Seal 18 Isolation Valve, 1/4 NPT Male, EPDM Seal 18 Isolation Valve, G3/8 BSP L/H 18 Isolation Valve, G3/8 BSP L/H 19 Isolation Valve, G3/						l		X Special Instruction			
Male O11 BS341 No.4 (Base Entry) O12 BS341 No.4 D13 Isolation Valve, 1/4 NPT Female, EPDM Seal O27 DIN477 No.3 D28 DIN447 No.3.1 D30 CGA510 CGA510 For our complete range of cylinder connections refer to Cylender Connections Data For our complete range of cylinder connections refer to Cylender Connections Data D38 DIN447 No.3.1 D39 DIN447 No.3.1 Ball Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal D50 CGA510 Ball Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal D50 CGA510 Ball Isolation Valve, 1/4 NPT Male, EPDM Seal Ball Isolation Valve, 1/4 NPT Male, EPDM Seal Ball Isolation Valve, 3/8 BSP L/H						004 1/4 NPT Male	04 1/4 NPT Male				
Entry) 012 BS341 No.4 10 Isolation Valve, 1/4 NPT Female, EPDM Seal 027 DIN477 No.3 12 Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal 028 DIN447 No.3.1 14 Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal 050 CGA510 16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 17 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 18 Isolation Valve, 1/4 NPT Male, EPDM Seal 20 Isolation Valve, G3/8 BSP L/H						l	05 1/4 SAE Flare Brass Male				
DIN477 No.3 DIN477 No.3 DIN477 No.3 DIN477 No.3 DIN477 No.3 DIN477 No.3 DIN477 No.3.1 DIN477 No.3 DIN477 No.3							08 G3/8 BSP L/H Brass Male				
Compression, EPDM Seal 14 Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal 15 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal 17 Isolation Valve, 1/4 NPT Male, EPDM Seal 22 Isolation Valve, G3/8 BSP L/H						012 BS341 No.4					
Compression, EPDM Seal 050 CGA510 16 Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal For our complete range of cylinder connections refer to "Oylinder Connections Data" 18 Isolation Valve, 1/4 NPT Male, EPDM Seal 22 Isolation Valve, G3/8 BSP L/H						027 DIN477 No.3	1				
Steel Compression, EPDM Seal For our complete range of cylinder connections refer to "Cylinder Connections Data" Steel Compression, EPDM Seal 18 Isolation Valve, 1/4 NPT Male, EPDM Seal 22 Isolation Valve, G3/8 BSP L/H						028 DIN447 No.3.1					
to 'Cylinder Connections Data' EPDM Seal 22 Isolation Valve, G3/8 BSP L/H						050 CGA510					
						For our complete range of cylinder connections refer to 'Cylinder Connections Data'					