

4.5 Purity Single Stage Brass Barstock Diaphragm Cylinder Regulator for Acetylene



The 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



- 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

### MATERIAL

Brass Barstock Body Bonnet High Strength Alloy

Diaphragm Polychloroprene (Neoprene®) (CR)

■ Valve Seat Polyamide (Nylon®)

■ Filter 10 Micron 316L Stainless Steel

#### **SPECIFICATION**

Maximum Inlet Pressure 25 bar (360 PSI) ■ Delivery Pressure Range 1.0 bar (15 PSI)

1.5 bar (22 PSI)

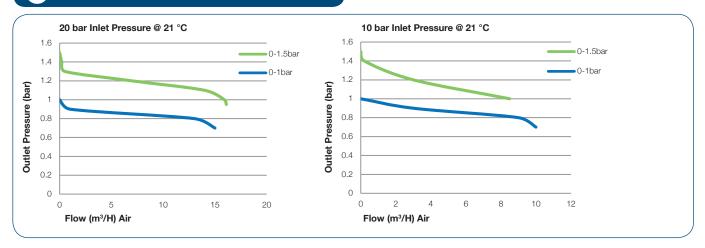
Gauges 50mm (2") Diameter Ports 1/4" NPT Female

■ Temperature Range -20° C to +60° C (-4° F to +140° F)

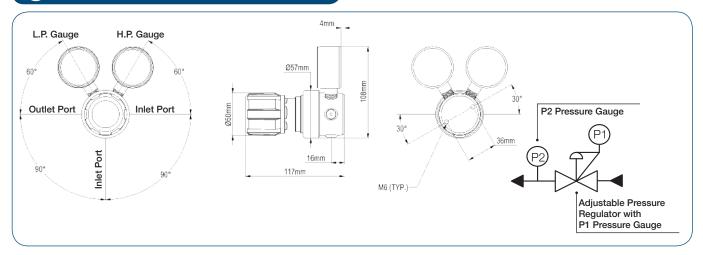
■ Weight 1.2 kg (2.7 lbs)\*\*

\*\* Cyliner connection not included

## **FLOW PERFORMANCE**



# **OD DRAWINGS**



# MODEL NO. SELECTOR GUIDE

#### Example for a Model No. for GPS410 Series

GPS410-	01-	02-	00-		00-		001-		01-		A
Product Type	Inlet Pressure Bar [Psig]	Outlet Pressure Bar [Psig]	Inlet Pressure Gauge		Outlet Pressure Gauge		Inlet Connection		Outlet Connection		Options
GPS410	<b>01</b> 25 [360]	<b>01</b> 0 to 1.0 [15]	00 No Gauge Fitted	00	No Gauge Fitted	000	1/4" NPT Female	00	1/4" NPT Female	Α	No Options Selected
		<b>02</b> 0 to 1.5 [22]	01 bar/PSI	01	bar/PSI	001	1/8 Stainless Steel Compression	01	1/8 Stainless Steel Compression	K	Certificate of Conformity (CoC)
			10 Plugged Port	10	Plugged port	002	1/4 Stainless Steel Compression	02	1/4 Stainless Steel Compression	Р	Calibration / Pressure Test Certificate
						003	6mm Stainless Steel Compression	03	6mm Stainless Steel Compression	X	Special Instruction
						004	1/4 NPT Male	04	1/4 NPT Male		
						008	G3/8 BSP L/H Brass Male	05	1/4 SAE Flare Brass Male		
						011	BS341 No.4 (Base Entry)	08	G3/8 BSP L/H Brass Male		
						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	DIN477 No.3.1	14	Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal		
						050	CGA510	16	Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal		
						conr	our complete range of cylinder nections refer to 'ICONTGEN- Master Cylinder Connections data t'	18	Isolation Valve, 1/4 NPT Male, EPDM Seal		
								22	Isolation Valve, G3/8 BSP L/H Brass Male, EPDM Seal		