Gas Control Equipment

Tech Master GPS410 Series

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

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

MATERIAL

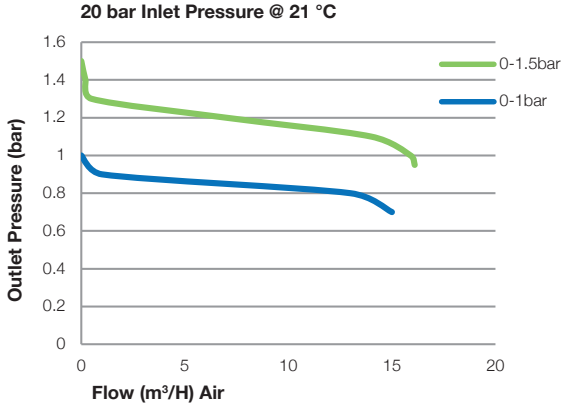
Body	Brass Barstock
Bonnet	High Strength Alloy
Diaphragm	Polychloroprene (Neoprene®) (CR)
Valve Seat	Polyamide (Nylon®)
Filter	10 Micron 316L Stainless Steel

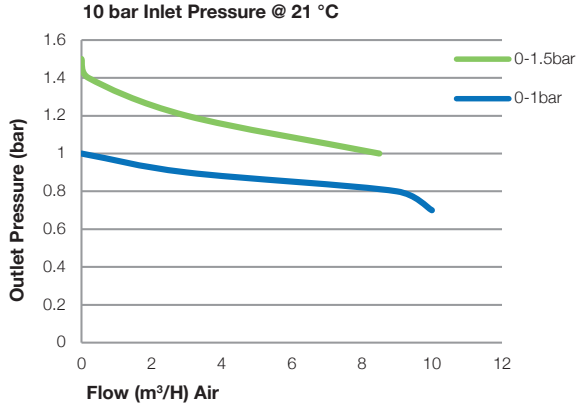
SPECIFICATION

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*

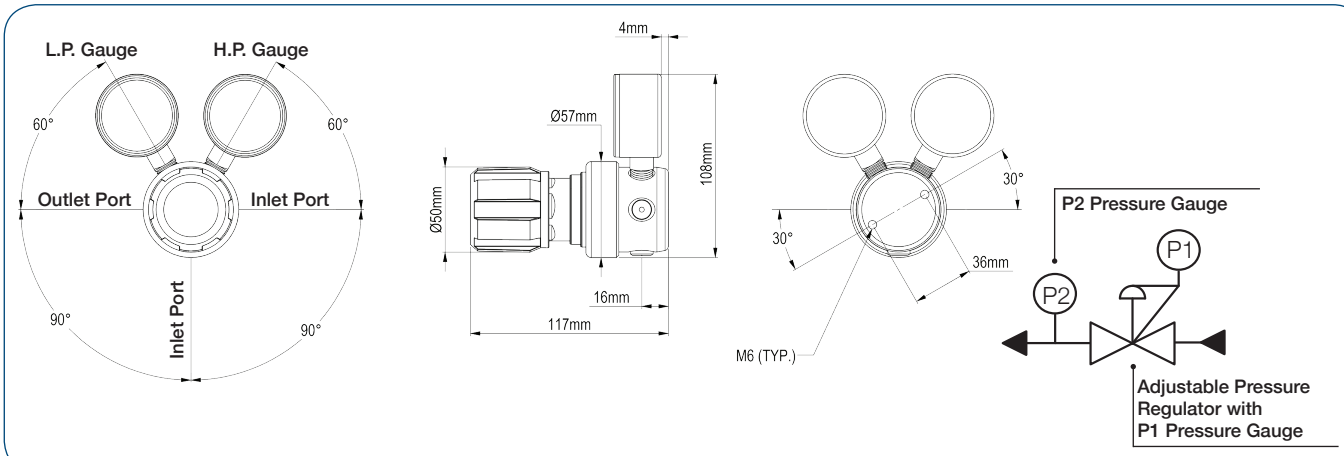
FLOW PERFORMANCE





We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

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	**01** 25 [360]	**01** 0 to 1.0 [15]	**00** No Gauge Fitted	**00** No Gauge Fitted	**000** 1/4'' NPT Female	**00** 1/4'' NPT Female	**A** No Options Selected
		02 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	**P** 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	
					*For our complete range of cylinder connections refer to '**ICONTGEN**–TechMaster Cylinder Connections data sheet'*	**18** Isolation Valve, 1/4 NPT Male, EPDM Seal	
						22 Isolation Valve, G3/8 BSP L/H Brass Male, EPDM Seal	

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