



# Tech Master GPT410 Series

4.5 Purity Two Stage Brass Barstock Diaphragm Cylinder Regulator for Acetylene



The Tech Master GPT410 Series two 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 constant delivery pressure is required as the cylinder pressure decreases.

■ **GPT410 Series** | Two Stage Diaphragm Cylinder Regulator, EPDM Seal – Acetylene

## ★ FEATURES

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

## 🔧 MATERIAL

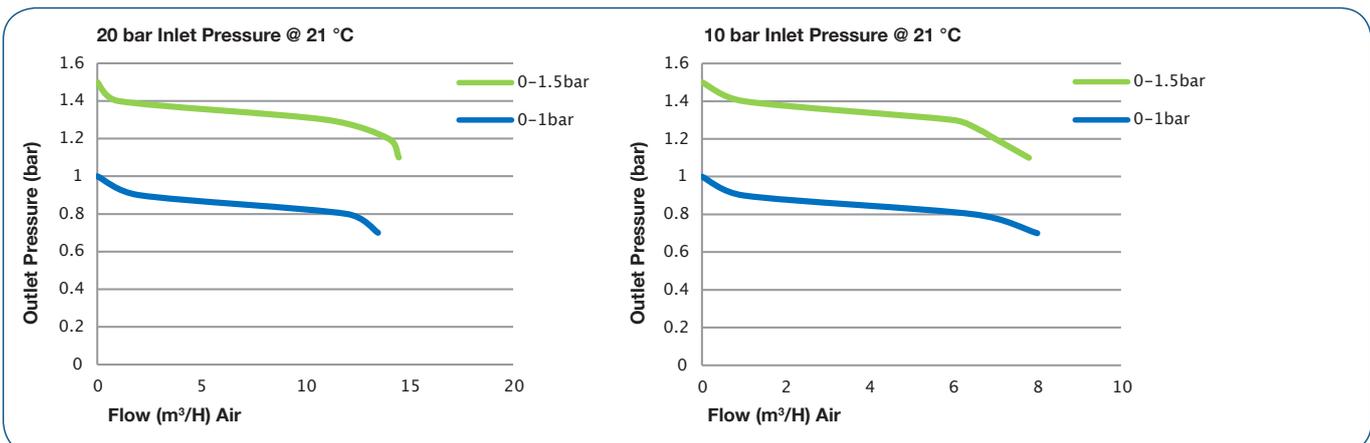
■ Body	Brass Barstock
■ Bonnet	High Strength Alloy
■ Diaphragm	Polychloroprene (Neoprene®) (CR)
■ Valve Seat	Polyamide (Nylon®)
■ Seal	EPDM
■ Filter	10 Micron 316L Stainless Steel

## 👍 SPECIFICATION

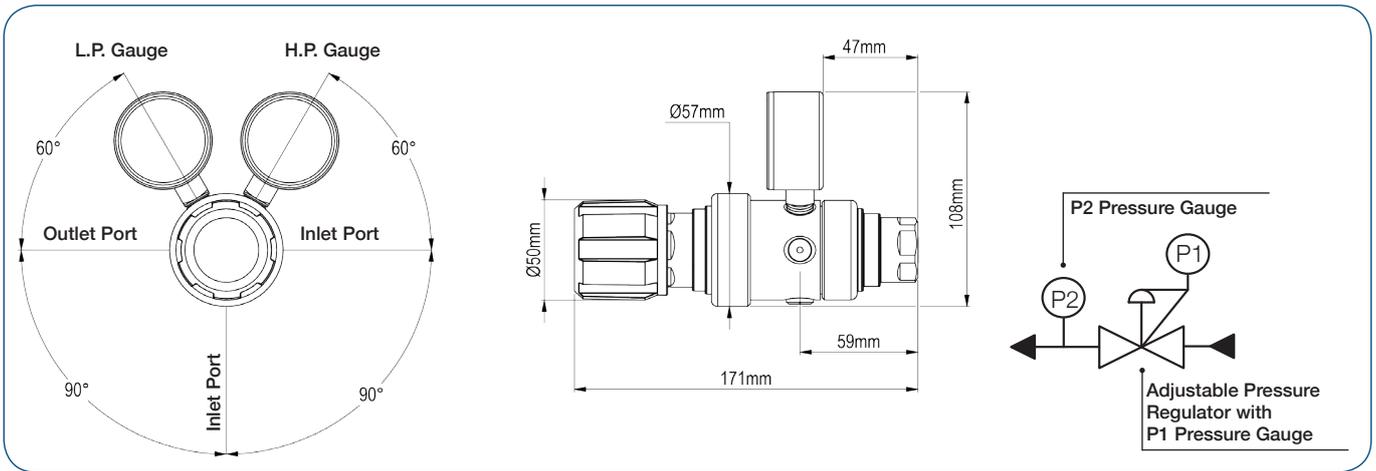
■ Maximum Inlet Pressure	25 bar (360 PSI)
■ Delivery Pressure Range	1.0 bar (15 PSI) 1.5 bar (22 PSI)
■ Gauges	50mm (2") Diameter
■ Ports	1/4" NPT Female
■ Temperature Range	-20° C to +60° C (-4° F to +140° F)
■ Flow Coefficient (Cv)	0.079
■ Weight	1.2 kg (2.7 lb)**

\*\* Cyliner connection not included

## ✓ FLOW PERFORMANCE



## DRAWINGS



## MODEL NO. SELECTOR GUIDE

Example for a Model No. for GPT410 Series

Product Type	Inlet Pressure Bar [Psig]	Outlet Pressure Bar [Psig]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet Connection	Outlet Connection	Options
<b>GPT410</b>	<b>01</b> 25 [360]	<b>01</b> 0 to 1.0 [15]	<b>00</b> No Gauge Fitted	<b>00</b> No Gauge Fitted	<b>000</b> 1/4 NPT Female	<b>00</b> 1/4 NPT Female	<b>A</b> No Options Selected
		<b>02</b> 0 to 1.5 [22]	<b>01</b> bar/PSI	<b>01</b> bar/PSI	<b>001</b> 1/8 Stainless Steel Compression	<b>01</b> 1/8 Stainless Steel Compression	<b>K</b> Certificate of Conformity (CoC)
			<b>10</b> Plugged Port	<b>10</b> Plugged port	<b>002</b> 1/4 Stainless Steel Compression	<b>02</b> 1/4 Stainless Steel Compression	<b>P</b> Calibration / Pressure Test Certificate
					<b>003</b> 6mm Stainless Steel Compression	<b>03</b> 6mm Stainless Steel Compression	<b>X</b> Special Instruction
					<b>004</b> 1/4 NPT Male	<b>04</b> 1/4 NPT Male	
					<b>008</b> G3/8 BSP L/H Brass Male	<b>05</b> 1/4 SAE Flare Brass Male	
					<b>011</b> BS341 No.4 (Base Entry)	<b>08</b> G3/8 BSP L/H Brass Male	
					<b>012</b> BS341 No.4	<b>10</b> Isolation Valve, 1/4 NPT Female, EPDM Seal	
					<b>027</b> DIN477 No.3	<b>12</b> Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal	
					<b>028</b> DIN477 No.3.1	<b>14</b> Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal	
					<b>050</b> CGA510	<b>16</b> Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal	
					<i>For our complete range of cylinder connections refer to 'ICONTGEN-TechMaster Cylinder Connections data sheet'</i>	<b>18</b> Isolation Valve, 1/4 NPT Male, EPDM Seal	
						<b>22</b> Isolation Valve, G3/8 BSP L/H Brass Male, EPDM Seal	