GASARC™
AN ESAB® BRAND

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

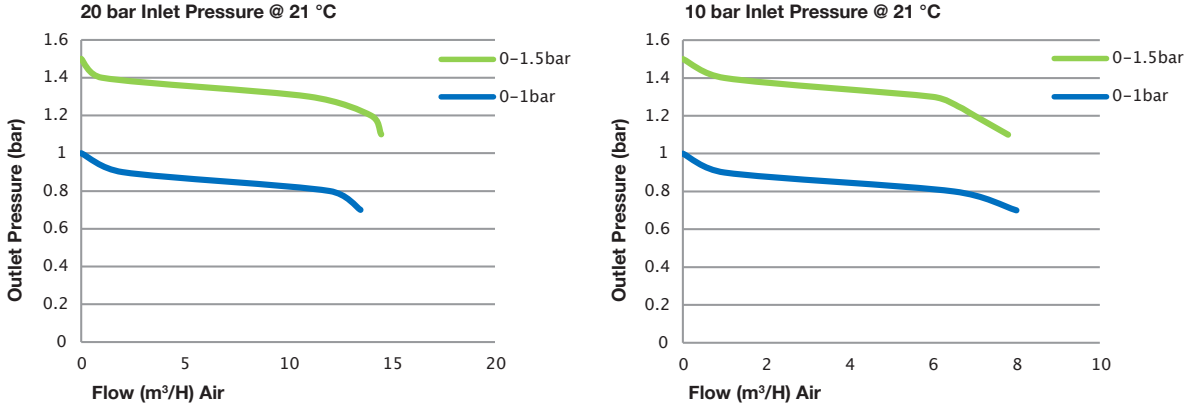
Body	Brass Barstock
Bonnet	High Strength Alloy
Diaphragm	Polychloroprene (Neoprene®) (CR)
Valve Seat	Polyamide (Nylon®)
Seal	EPDM
Filter	10 Micron 316L Stainless Steel

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)**

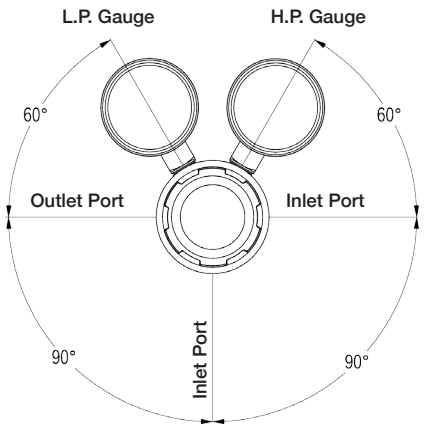
** Cyliner connection not included

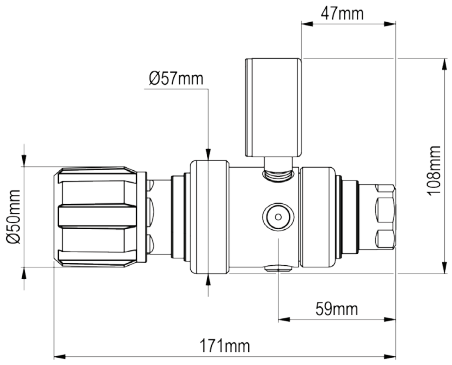
FLOW PERFORMANCE

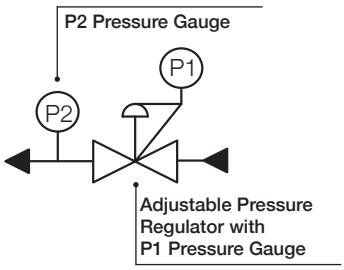


We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

DRAWINGS







MODEL NO. SELECTOR GUIDE

Example for a Model No. for GPT410 Series

GPT410-	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**
GPT410	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	

Distributed By

Greyhound CHROMATOGRAPHY

Greyhound Chromatography and Allied Chemicals
6 Kelvin Park
Birkenhead
Merseyside, CH41 1LT

Tel: 0151 649 4000 Fax: 0151 649 4001
Email: info@greyhoundchrom.com
Web: https://www.greyhoundchrom.com