

# Tech Master GPS400 Series

4.5 Purity Single Stage Brass Barstock Diaphragm Cylinder Regulator



**The Tech Master GPS400** Series single stage diaphragm cylinder regulators are designed for primary pressure gas control of non-corrosive or toxic, technical gases up to grade 4.5 purity (99.995%), on applications where slight variation from decreasing cylinder pressure is acceptable.

 GPS400 Series | Single Stage Diaphragm Cylinder Regulator

# ★ 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

BodyBonnet

Filter

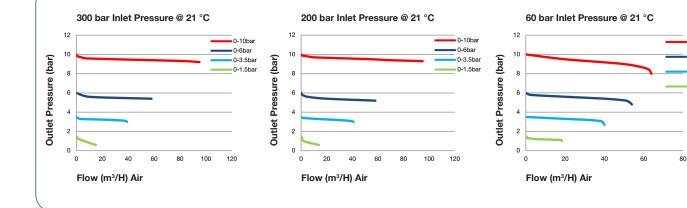
- DiaphragmValve Seat
- Brass Barstock High Strength Alloy
- - Polychloroprene (Neoprene®) (CR)
  - Polyamide (Nylon®)
    - 10 Micron 316L Stainless Steel

### **SPECIFICATION**

Maximum Inlet Pressure	60 bar (870 PSI)
	300 bar (4350 PSI) *
Delivery Pressure Range	1.5 bar (22 PSI)
	3.5 bar (50 PSI)
	6 bar (90 PSI)
	10 bar (150 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 lbs) **
	EN ISO 2503 Compliant

\* Subject to cylinder connection - \*\* Cylinder 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.

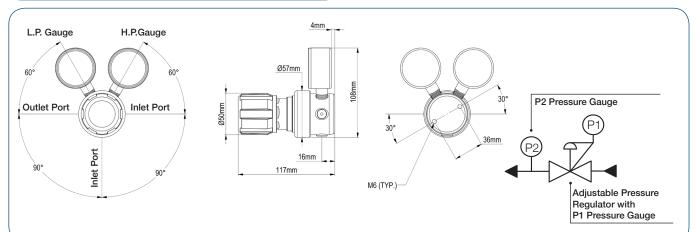
0-10ba

0-6bar

0-3.5ba

0-1.5ba

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## 12 MODEL NO. SELECTOR GUIDE

Example for a Model No. for GPS400 Series

GPS400-		02-		02-		00-		00-		000-		00-		Α	
Product Type	Pi	Inlet ressure ar [PSI]	P	Outlet ressure ar [PSI]	Inle	et Pressure Gauge		Outlet Pressure Gauge	I	nlet/Cylinder Connection		Outlet Connection		Options	
GPS400	02	60 [870]	02	0 to 1.5 [22]	00	No Gauge Fitted	00	No Gauge Fitted	000	1/4" NPT Female	00	1/4" NPT Female	A	No Options Selected	
	04	300 [4350]	03	0 to 3.5 [50]	01	bar/PSI	01	bar/PSI	001	1/8 Stainless Steel Compression	01	1/8 Stainless Steel Compression	к	Certificate of Conformity	
			04	0 to 6 [90]	10	Plugged Port	10	Plugged Port	002	1/4 Stainless Steel Compression	02	1/4 Stainless Steel Compression	Р	Calibration/ Pressure Test Certificate	
			05	0 to 10 [150]					003	6mm Stainless Steel Compression	03	6mm Stainless Steel Compression	x	Special Instruction	
									004	1/4 NPT Male	04	1/4 NPT Male			
									007	G3/8 BSP R/H Brass Male	05	1/4 SAE Flare Brass Male			
									008	G3/8 BSP L/H Brass Male	06	G1/2 BSP R/H, Brass, Male			
									009	BS341 No.3 (Base Entry)	07	G3/8 BSP R/H, Brass, Male			
									010	BS341 No.3	08	G3/8 BSP L/H, Brass, Male			
									011	BS341 No.4 (Base Entry)	09	Isolation Valve, 1/4 NPT Female, FKM Seal			
									012	BS341 No.4	10	Isolation Valve, 1/4 NPT Female, EPDM Seal			
									015	BS341 No.8	11	Isolation Valve, 1/8 Stainless Steel Compression, FKM Seal			
									030	DIN477 No.6	12	Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal			
									033	DIN477 No.9	13	Isolation Valve, 1/4 Stainless Steel Compression, FKM Seal			
									034	DIN477 No.10	14	Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal			
									045	CGA320	15	Isolation Valve, 6mm Stainless Steel Compression, FKM Seal			
									052	CGA540	16	Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal			
									053	CGA580	17	Isolation Valve, 1/4 NPT Male, FKM Seal			
									conn Tech	ur complete range of cylinder lections refer to <b>'ICONTGEN-</b> Master Cylinder Connections sheet'	18	Isolation Valve, 1/4 NPT Male, EPDM Seal			
									Gall		19	Isolation Valve, G3/8 BSP R/H Brass Male, FKM Seal			
											20	Isolation Valve, G3/8 BSP R/H Brass Male, EPDM Seal			
											21	Isolation Valve, G3/8 BSP L/H Brass Male, FKM Seal			
											22	Isolation Valve, G3/8 BSP L/H Brass Male, EPDM Seal			



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