

6.0 Purity Single Stage Nickel Plated Brass Barstock Diaphragm Cylinder Regulator



The Spec Master HPS600 Series single stage diaphragm cylinder regulators are designed for primary pressure gas control of non-corrosive or toxic, high purity gases up to grade 6.0 purity (99.9999%), on applications where slight variation from decreasing cylinder pressure is acceptable.

■ **HPS600** Series | Single Stage Diaphragm Cylinder Regulator, FFKM Pressure Relief Valve



- Six port configuration
- Front and rear panel mounting capabilities
- Encapsulated seat design
- Low wetted surface area
- Full range of inlet and outlet fittings
- Base and side entry

MATERIAL

Nickel Plated Brass Barstock Body Nickel Plated Brass Barstock Bonnet

Diaphragm 316L Stainless Steel

■ Bonnet Seal PTFE ■ Valve Seat **PCTFE**

■ Filter 10 Micron 316L Stainless Steel

SPECIFICATION

60 bar (870 PSI) Maximum Inlet Pressure

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)

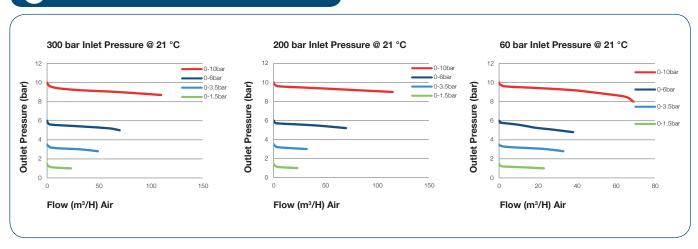
Gauges 50mm (2") Diameter Ports 1/4" NPT Female

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

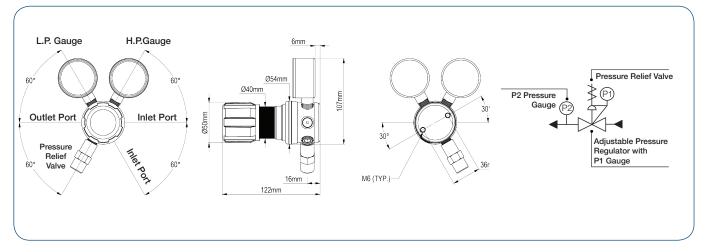
Helium Leak Integrity 1 x 10-9 mbar l/s ■ Weight 1.2 kg (2.7 lb) **

* Subject to cylinder connection - ** Cylinder connection not included

FLOW PERFORMANCE



(1) DRAWINGS



MODEL NO. SELECTOR GUIDE

Example for a Model No. for HPS600 Series

HPS600-	HPS600- 02-		02-		00-		00-		000-		00-		Α	
Product Type	Pr	Inlet essure ar [PSI]	Pr	Outlet essurek ar [PSI]	Inle	et Pressure Gauge		Outlet Pressure Gauge	ı	nlet/Cylinder Connection		Outlet Connection		Options
HPS600	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	Α	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	В	Regulator Tee Purge FKM
			04	0 to 6 [90]	10	Plugged Port	10	Plugged Port	002	1/4 Stainless Steel Compression	02	1/4 Stainless Steel Compression	С	Regulator Tee Purge EPDM
			05	0 to 10 [150]					003	6mm Stainless Steel Compression	03	6mm Stainless Steel Compression	F	Bonnet Vent Capture Kit
									004	1/4 NPT Male	04	1/4 NPT Male	G	Helium Test Certificate
									007	G3/8 BSP R/H Brass Male	07	G3/8 BSP R/H, Brass, Male	K	Certificate of Conformity (CoC)
									800	G3/8 BSP L/H Brass Male	80	G3/8 BSP L/H, Brass, Male	L	Panel Mount Locking Nut Kit
									010	BS341 No.3	09	Isolation Valve, 1/4 NPT Female, FKM Seal	Р	Calibration / Pressure Test Certificate
									012	BS341 No.4	10	Isolation Valve, 1/4 NPT Female, EPDM Seal	х	Special Instruction
									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		
										our complete range of cylinder nections refer to 'ICONSGEN'	18	Isolation Valve, 1/4 NPT Male, EPDM Seal		
											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		