

6.0 Purity Single Stage Nickel Plated Brass Barstock Piston Cylinder Regulator



The Spec Master HPS620 Series single stage Piston 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.

- HPS621 Series | Single Stage Piston Cylinder Regulator, FKM Seal
- HPS622 Series | Single Stage Piston Cylinder Regulator, EPDM Seal



- 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

■ Piston Brass ■ Bonnet Seal FKM / EPDM ■ Valve Seat **PCTFE**

■ Filter 10 Micron 316L Stainless Steel

SPECIFICATION

Gauges

Ports

60 bar (870 PSI) Maximum Inlet Pressure

300 bar (4350 PSI) *

■ Delivery Pressure Range 20 bar (300 PSI)

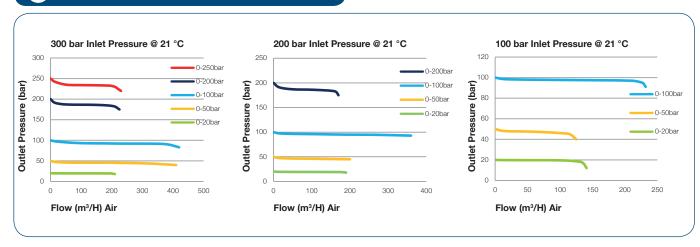
> 50 bar (725 PSI) 100 bar (1450 PSI) 200 bar (2900 PSI) 250 bar (3625 PSI) 50mm (2") Diameter 1/4" NPT Female

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

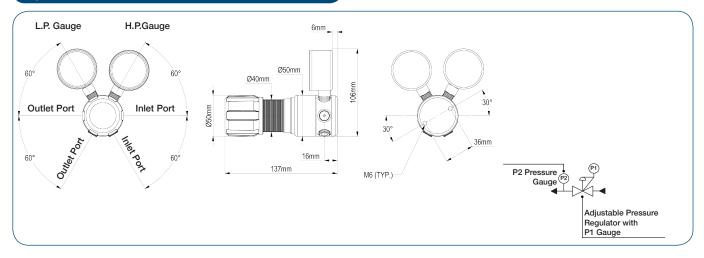
Helium Leak Integrity 1 x 10-9 mbar l/s ■ Weight 1.4 kg (3.1 lb) **

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

FLOW PERFORMANCE



ODE DRAWINGS



MODEL NO. SELECTOR GUIDE

Example for a Model No. for HPS620 Series

HPS621-	02-		07-		00-		00-	000-		00-		Α
Product Type	Inlet Pressure Bar [PSI]	Pr	Outlet essurek ar [PSI]	Inle	et Pressure Gauge	ı	Outlet Pressure Gauge	Inlet/Cylinder Connection		Outlet Connection		Options
HPS621	02 60 [870]	07	0 to 20 [300]	00	No Gauge Fitted	00	No Gauge Fitted	000 1/4 NPT Female	00	1/4 NPT Female	Α	No Options Selected
HPS622	04 300 [4350]	10	0 to 50 [725]	01	bar/PSI	01	bar/PSI	001 1/8 Stainless Steel Compression	01	1/8 Stainless Steel Compression	В	Regulator Tee Purge FKM
		11	0 to 100 [1450]	10	Plugged Port	10	Plugged Port	002 1/4 Stainless Steel Compression	02	1/4 Stainless Steel Compression	С	Regulator Tee Purge EPDM
		12	0 to 200 [2900]					003 6mm Stainless Steel Compression	03	6mm Stainless Steel Compression	F	Bonnet Vent Capture Kit
		13	0 to 250 [3625]					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)
								008 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		
								For our complete range of cylinder connections refer to 'Cylinder Connections Data'	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		