

6.0 Purity Single Stage Nickel Plated Brass Barstock Diaphragm Line Regulator



The Spec Master HPL600 Series single stage diaphragm line regulators are designed for secondary pressure gas control of non-corrosive or toxic, high purity gases up to grade 6.0 purity (99.9999%), on gas distribution systems.

■ HPL600 Series | Single Stage Diaphragm Line Regulator



- Four 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 ■ Bonnet Nickel Plated Brass Barstock Diphragm 316L Stainless Steel

PTFE Seal Seat PCTFE)

■ Filter 10 Micron 316L Stainless Steel

SPECIFICATION

Maximum Inlet Pressure 207 bar (3000 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)

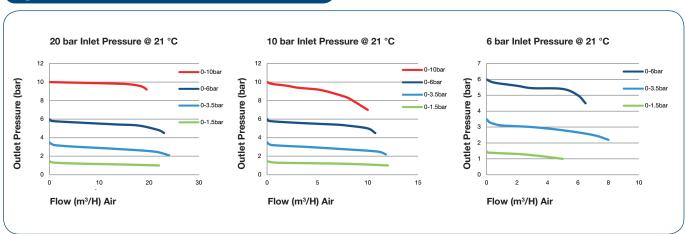
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Helium Leak Integrity 1 x 10⁻⁹ mbar l/s

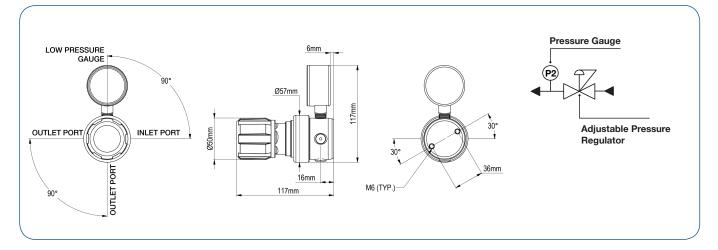
■ Flow Coefficient (Cv)

Weight 1.1 kg (2.5 lb)

FLOW PERFORMANCE



O DRAWINGS



3 MODEL NO. SELECTOR GUIDE

Example for a Model No. for HPL600 Series

HPL600-	03-	02-	00-		00-	001-		01-		Α
Product Type	Inlet Pressure Bar [Psig]	Outlet Pressure Bar [Psig]	Inlet Pressure Gauge		Outlet Pressure Gauge	Inlet Connection		Outlet Connection		Options
HPL600	03 207 [3000]	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
		03 0 to 3.5 [50]		01	bar/PSI	001 1/8 Stainless Steel Compression	01	1/8 Stainless Steel Compression	F	Bonnet Vent Capture Kit
		04 0 to 6 [90]		10	Plugged port	002 1/4 Stainless Steel Compression	02	1/4 Stainless Steel Compression	G	Helium Test Certificate
		05 0 to 10 [150]				003 6mm Stainless Steel Compression	03	6mm Stainless Steel Compression	K	Certificate of Conformity (CoC)
						004 1/4 NPT Male	04	1/4 NPT Male	L	Panel Mount Locking Nut Kit
						007 G3/8 BSP R/H Brass Male	07	G3/8 BSP R/H Brass Male	Р	Calibration/Pressure Test certificate
						008 G3/8 BSP L/H Brass Male	80	G3/8 BSP L/H Brass Male	x	Special Instruction
							09	Isolation Valve, 1/4 NPT Female, FKM Seal		
							10	Isolation Valve, 1/4 NPT Female, EPDM Seal		
							11	Isolation Valve, 1/8 Stainless Steel Compression, FKM Seal		
							12	Isolation Valve, 1/8 Stainless Steel Compression, EPDM Seal		
							13	Isolation Valve, 1/4 Stainless Steel Compression, FKM Seal		
							14	Isolation Valve, 1/4 Stainless Steel Compression, EPDM Seal		
							15	Isolation Valve, 6 mm Stainless Steel Compression, FKM Seal		
							16	Isolation Valve, 6mm Stainless Steel Compression, EPDM Seal		
							17	Isolation Valve, 1/4 NPT Male, FKM Seal		
							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		