



Spec Master HPD6040 Series

6.0 Purity Two Stage Nickel Plated Brass Barstock Diaphragm
Differential Autochange Gas Control Panel



The Spec Master HPD6040 Series two stage differential autochange control panels are designed for primary pressure gas control of non-corrosive or toxic, high purity gases up to grade 6.0 purity (99.9999%), on gas distribution systems where constant delivery pressure is required.

- **HPD6041 Series** | Two Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, FKM Seal, FFKM Pressure Relief Valve
- **HPD6042 Series** | Two Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, EPDM Seal, FFKM Pressure Relief Valve

★ FEATURES

- High pressure isolation valves
- High pressure purge facility
- Two stage pressure regulation
- Process line isolation valve
- Encapsulated valve design
- Twin cylinder configuration

📄 MATERIAL

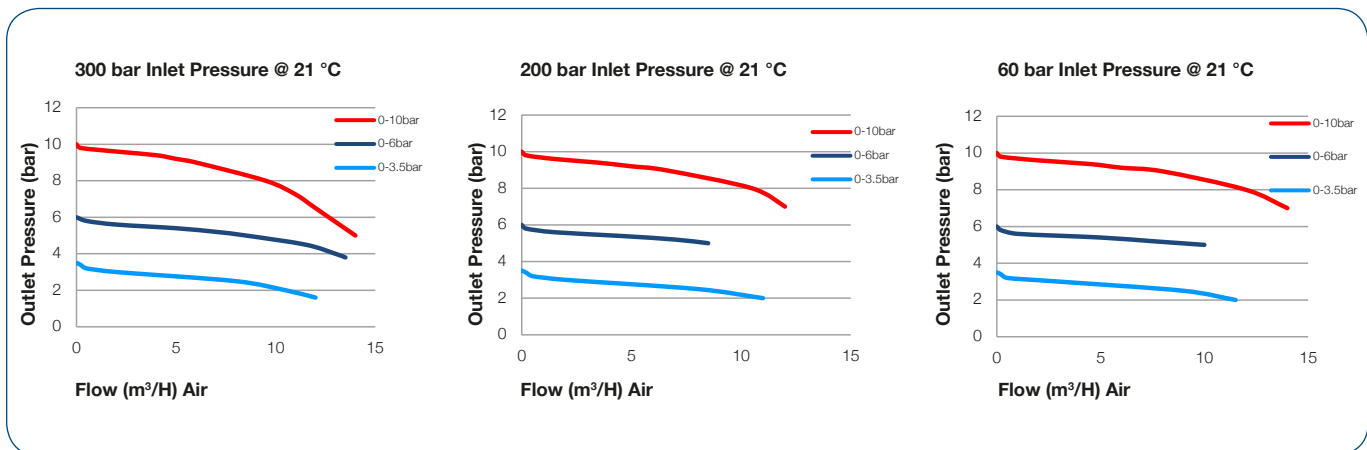
■ Body	Nickel plated Brass Barstock
■ Bonnet	Nickel plated Brass Barstock
■ Diaphragm	316L Stainless Steel
■ Bonnet Seal	PTFE
■ Seal Option	FKM / EPDM
■ Valve Seat	Polyamide (Nylon®)
■ Filter	10 Micron 316L Stainless Steel

👍 SPECIFICATION

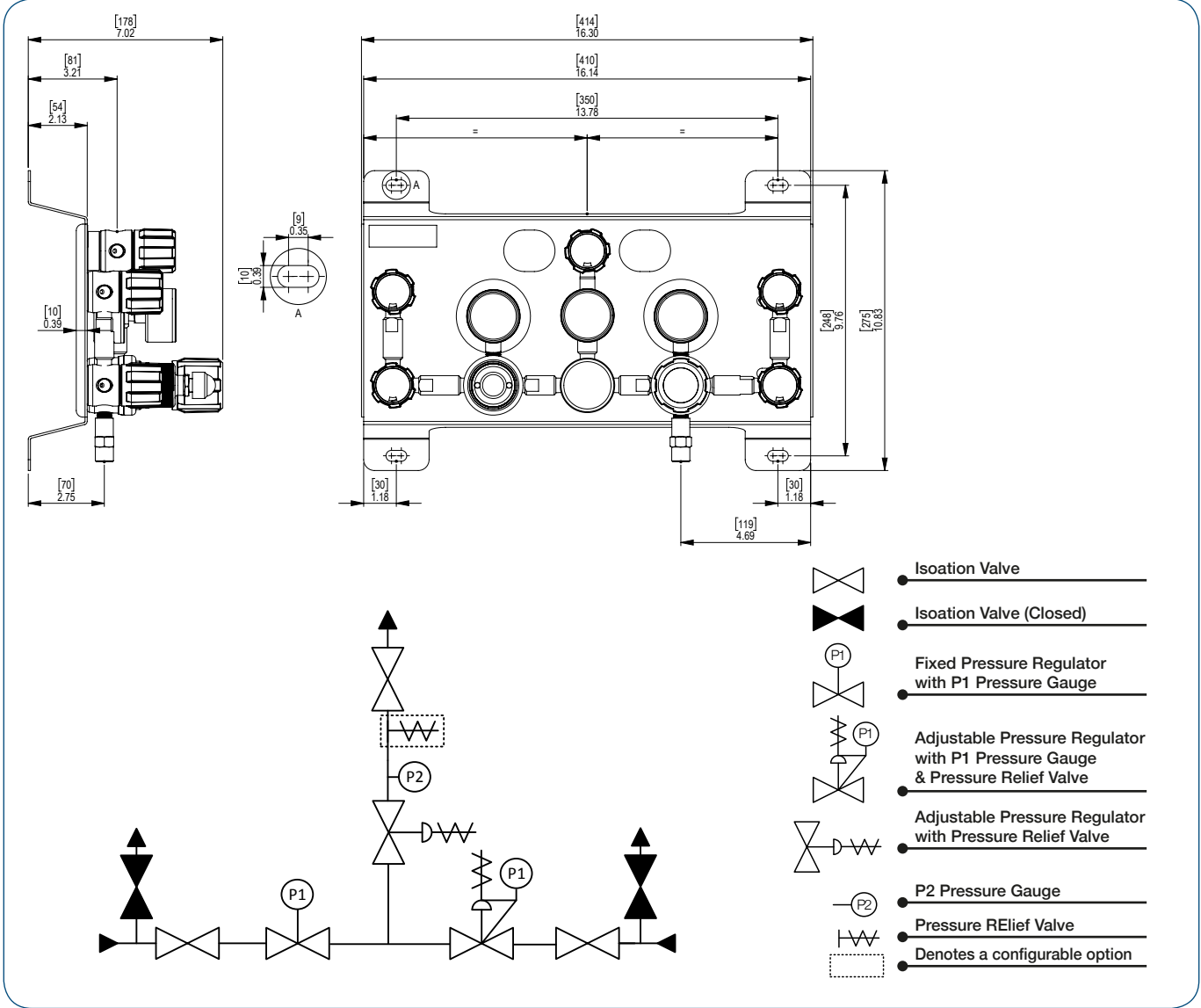
■ Maximum Inlet Pressure	15 bar (220 PSI) 60 bar (870 PSI) 300 bar (4350 PSI) *
■ Delivery Pressure Range	3.5 bar (50 PSI) 6 bar (90 PSI) 10 bar (150 PSI)
■ Gauges	50mm (2") Diameter
■ Ports	1/4" NPT Female
■ Temperature Range	-20° C to +60° C (-4° F to +140° F)
■ Flow Coefficient (Cv)	0.078
■ Helium Leak Integrity	1x10 ⁻⁹ mbar l/s
■ Weight	8.0 kg (17.46 lbs) ****

* Subject to cylinder connection – **** Subject to final configuration

✓ FLOW PERFORMANCE



DRAWINGS



MODEL NO. SELECTOR GUIDE

Example for a Model No. for HPD6040 Series

Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options
HPD6041-	02- 60 [870]	03- 0 to 3.5 [50]	00- No Gauge Fitted	00- No Gauge Fitted	000- 1/4 NPT Female	00- 1/4 NPT Female	A No Options Selected
HPD6042	04- 300 [4350]	04- 0 to 6 [90]	01- bar/PSI	01- bar/PSI	001- 1/8 Stainless Steel Compression	01- 1/8 Stainless Steel Compression	F Bonnet Vent Capture Kit
	06- 15 [220]	05- 0 to 10 [150]	02- bar/PSI Contact Gauge		002- 1/4 Stainless Steel Compression	02- 1/4 Stainless Steel Compression	G Helium Test Certificate
					003- 6mm Stainless Steel Compression	03- 6mm Stainless Steel Compression	K Certificate of Conformity
					004- 1/4 NPT Male	04- 1/4 NPT Male	M CO2 Burst Disc
					007- G3/8 BSP R/H Brass Male	07- G3/8 BSP R/H, Brass, Male	P Calibration/ Pressure Test Certificate
					008- G3/8 BSP L/H Brass Male	08- G3/8 BSP L/H, Brass, Male	R Fitted Pipeline Pressure Relief Valve, FKM Seal
							S Fitted Pipeline Pressure Relief Valve, EPDM Seal
							X Special Instruction