



## Tech Master GPD4040 Series

4.5 Purity Two Stage Brass Barstock Diaphragm Differential Autochange Gas Control Panel (BS EN ISO 7291)



The Tech Master GPD4040 Series two stage differential autochange control panels are designed for primary pressure gas control of non-corrosive or toxic, technical gases up to grade 4.5 purity (99.995%), on gas distribution systems where constant delivery pressure is required.

- **GPD4041 Series** | Two Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, FKM Seal, FKM Pressure Relief Valve
- **GPD4042 Series** | Two Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, EPDM Seal, EPDM Pressure Relief Valve

### ★ FEATURES

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

### 📦 MATERIAL

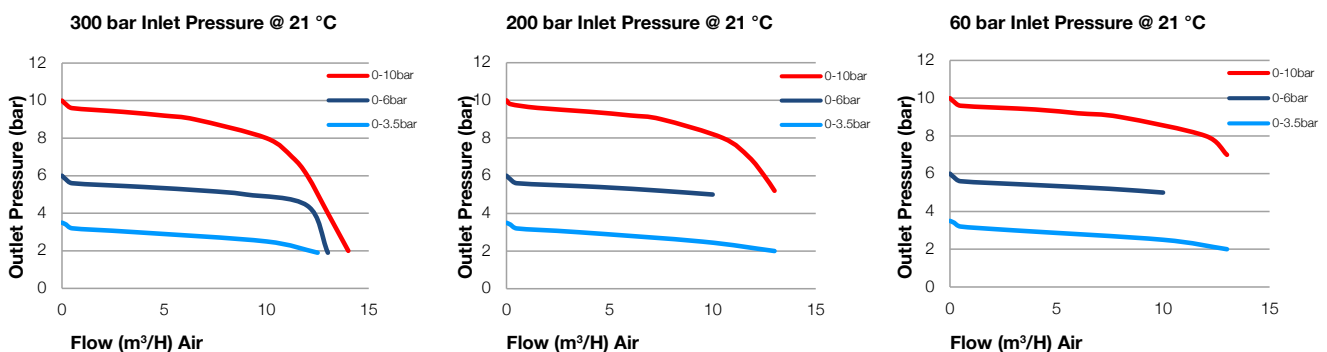
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|---|----------------------------------|
| ■ Body                                    | Brass Barstock                   |
| ■ Valve Seat                              | Polyamide (Nylon®)               |
| ■ Seal Option                             | FKM / EPDM                       |
| ■ Filter                                  | 10 Micron 316L Stainless Steel   |
| <b>Outlet Regulators</b>                  |                                  |
| ■ Bonnet                                  | High Strength Alloy              |
| ■ Diaphragm                               | Polychloroprene (Neoprene®) (CR) |
| <b>Pre-Set &amp; Duty-Bank Regulators</b> |                                  |
| ■ Bonnet                                  | Brass                            |
| ■ Bonnet Seal                             | PTFE                             |
| ■ Diaphragm                               | 316L Stainless Steel             |

### 👍 SPECIFICATION

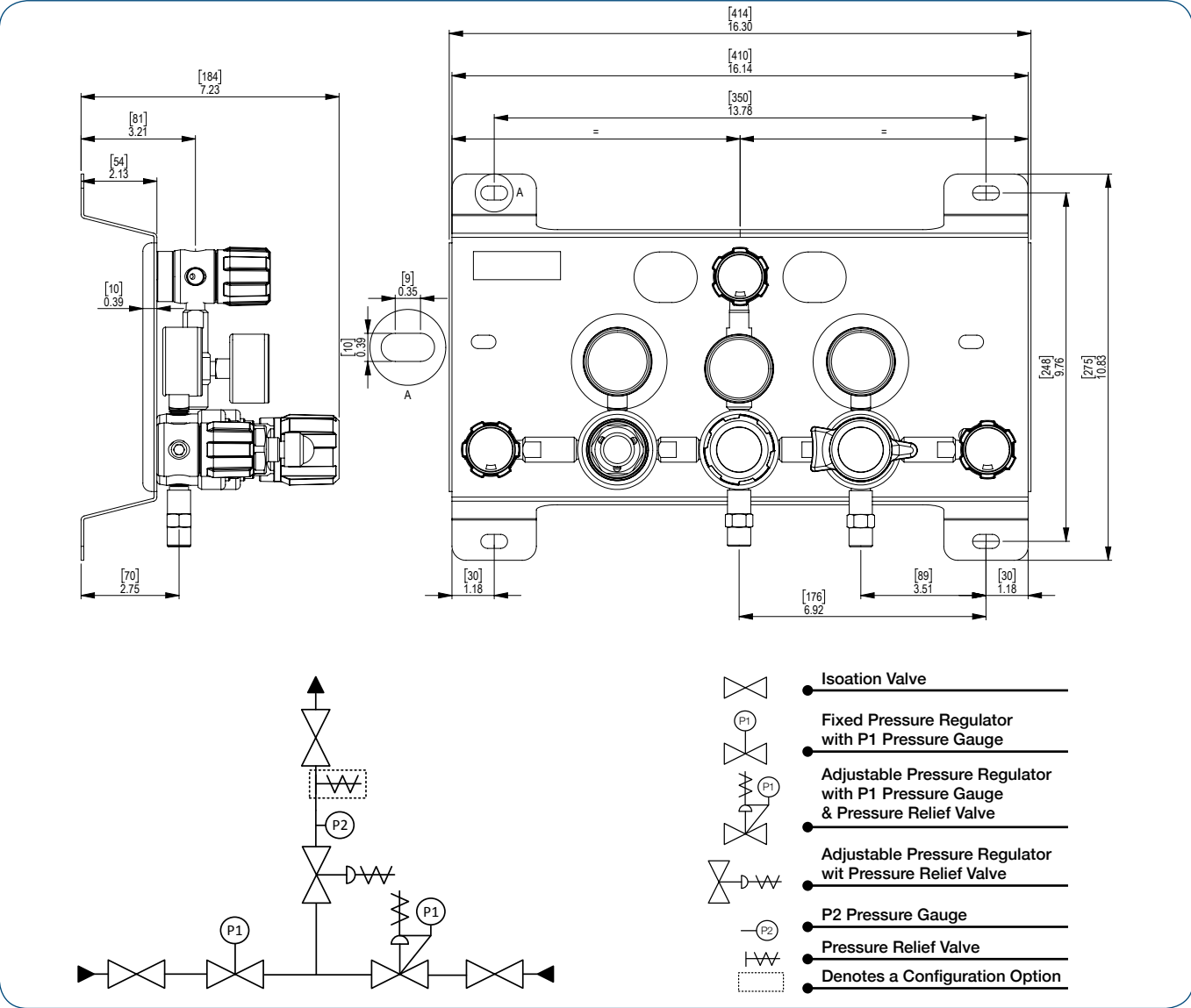
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|----------------------------------|--|
| ■ <b>Maximum Inlet Pressure</b>  | 15 bar (220 PSI)<br>60 bar (870 PSI)<br>300 bar (4350 PSI) * |
| ■ <b>Delivery Pressure Range</b> | 3.5 bar (50PSI)<br>6.0 bar (90PSI)<br>10 bar (150 PSI)       |
| ■ <b>Gauges</b>                  | 50mm (2") Diameter   |
| ■ <b>Ports</b>                   | 1/4" NPT Female  |
| ■ <b>Temperature Range</b>       | -20° C to +60° C (-4° F to +140° F)                          |
| ■ <b>Flow Coefficient (Cv)</b>   | 0.078  |
| ■ <b>Weight</b>                  | 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 GPD4040 Series

Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options
GPD4041-	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
GPD4042	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	K Certificate of Conformity
	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	M CO2 Burst Disc
					003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	P Calibration/ Pressure Test Certificate
					004 1/4 NPT Male	04 1/4 NPT Male	R Fitted Pipeline Pressure Relief Valve
					007 G3/8 BSP R/H Brass Male	06 G1/2 BSP R/H, Brass, Male	T Fitted High Pressure Purge Facility, FKM Seal
					008 G3/8 BSP L/H Brass Male	07 G3/8 BSP R/H, Brass, Male	U Fitted High Pressure Purge Facility, EPDM Seal
						08 G3/8 BSP L/H, Brass, Male	X Special Instruction