Gas Control Equipment

Tech Master GPM4010 Series

4.5 Purity Single Stage Brass Barstock Diaphragm Manual Change Gas Control Panel (BS EN ISO 7291)



The Tech Master GPM4010 Series single stage, single cylinder manual change 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 slight pressure variation is acceptable.

- **GPM4011** Series | Single Stage Single Cylinder Diaphragm Manual Gas Change Control Panel, FKM Seal, FKM Pressure Relief Valve
- **GPM4012** Series | Single Stage Single Cylinder Diaphragm Manual Gas Change Control Panel, EPDM Seal, EPDM Pressure Relief Valve

FEATURES

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

MATERIAL

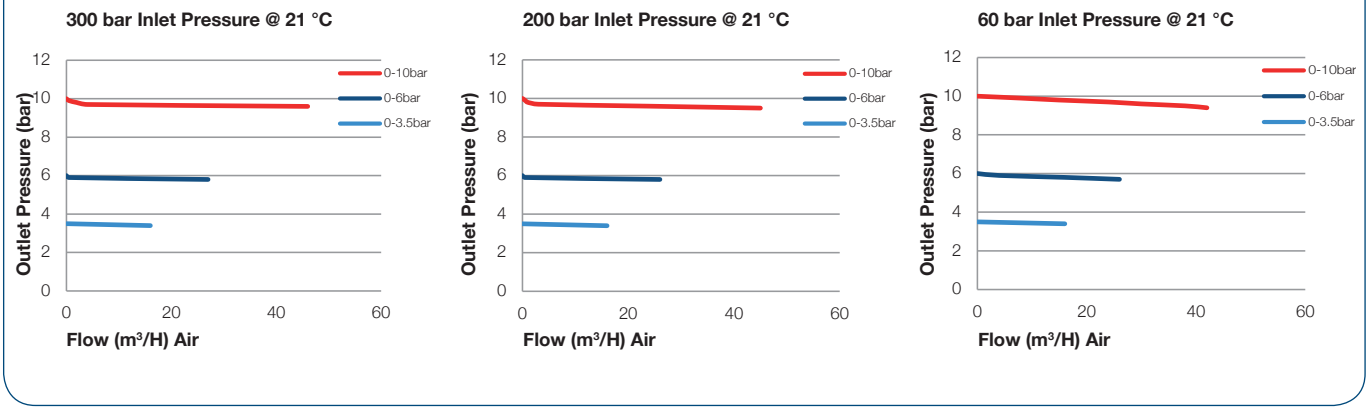
Body	Brass Barstock
Bonnet	High Strength Alloy
Diaphragm	Polychloroprene (Neoprene®) (CR)
Valve Seat	Polyamide (Nylon®)
Seal Option	FKM / EPDM
Filter	10 Micron 316L Stainless Steel

SPECIFICATION

Maximum Inlet Pressure	15 bar (220 PSI)
	60 bar (870 PSI)
	300 bar (4350 PSI) *
Delivery Pressure Range	3.5 bar (50PSI)
	6.0 bar (90PSI)
	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)
Weight	4.25 kg (9.4 lbs) ****

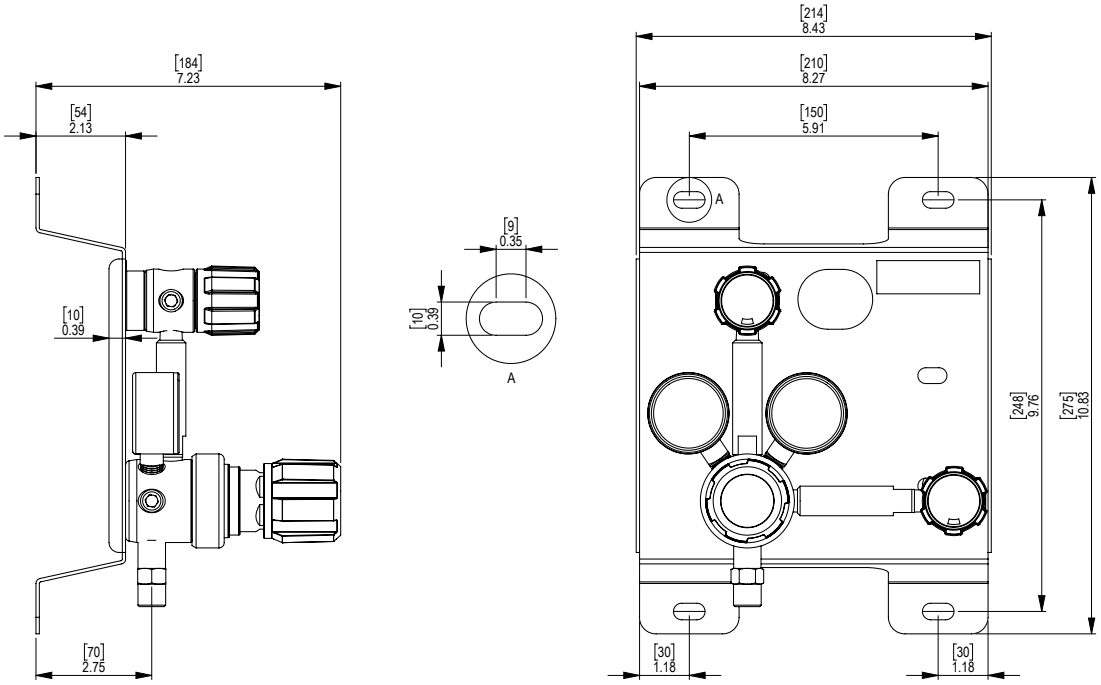
** Subject to cylinder connection – **** Subject to final configuration*

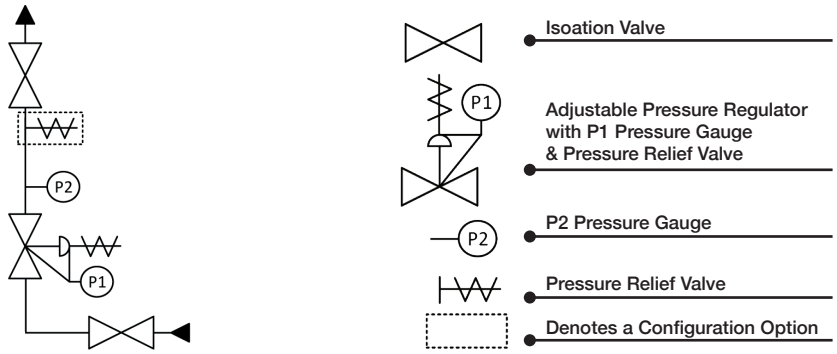
FLOW PERFORMANCE



We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

DRAWINGS





MODEL NO. SELECTOR GUIDE

Example for a Model No. for GPM4010 Series

GPM4011- 02- 03- 00- 00- 000- 00- A

Product Type	Inlet Pressure Bar [PSI]	Outlet Pressure Bar [PSI]	Inlet Pressure Gauge	Outlet Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options
GPM4011	**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
GPM4012	**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

GCE® Gas Control Equipment

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