



# TECH MASTER GPM4200 SERIES

#### 4.5 Purity Single Stage Brass Barstock Piston Manual Change Gas Control Panel

The Tech Master GPM4200 series single stage 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.

- GPM4211 Series | Single Stage Single Cylinder Piston Manual Gas Change Control Panel, FKM Seal
- **GPM4212 Series** | Single Stage Single Cylinder Piston Manual Gas Change Control Panel, EPDM Seal
- **GPM4231 Series** | Single Stage Twin Cylinder Piston Manual Gas Change Control Panel, FKM Seal
- GPM4232 Series | Single Stage Twin Cylinder Piston Manual Gas Change Control Panel, EPDM Seal

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#### **FEATURES**

High pressure isolation valves

Single stage pressure regulation

Process line isolation valve

Encapsulated seat design

Single and twin cylinder configuration



#### **MATERIALS**

Body	Brass Barstock		
Bonnet	Brass Barstock		
Piston	Brass		
Seal	FKM / EPDM		
Seat	Polyamide (Nylon®)		
Filter	10 Micron 316L Stainless Steel		

<sup>\*</sup> Subject to cylinder connection. \*\*\*\* Subject to final configuration.

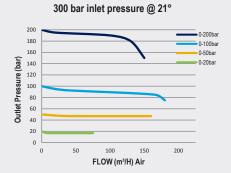
### **(** SPECIFICATION

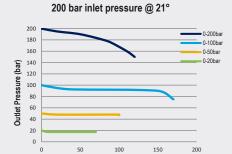
Maximum Inlet Pressure	60 bar (870 PSI) / 300 bar (4350 PSI)*
Delivery Pressure Range	20 bar (300 PSI) / 50 bar (725 PSI) / 100 bar (1450 PSI) / 200 bar (2900 PSI)
Gauge	50mm (2") Diameter
Ports	1/4" NPT Female
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Flow Coefficient (Cv)	0.1
Weight	5.00kg (11.02 lbs)****

#### Subject to Cymruci Corminection. Subject to initial cormiguration

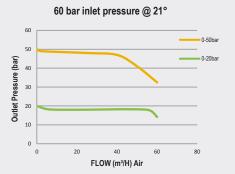


#### **FLOW PERFORMANCE**

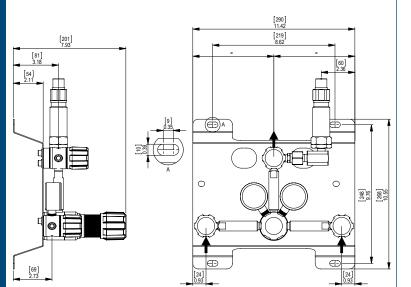




FLOW (m³/H) Air

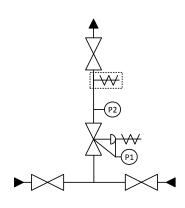








#### PROCESS & INSTRUMENTATION



- Isolation Valve

-(P2) - P2 Pressure Gauge

├── - Pressure Relief Valve - Denotes a Configurable Option

- Adjustable Pressure Regulator with P1 Pressure Gauge and Pressure Relief Valve

Model No. Selector Guide Outlet Inlet Pressure Inlet/Cylinder

Type	Inlet Pressure	Outlet Pressure Gau	rressure Ige Gauge	Connection	Outlet Connection	Options
GPM4211	<b>02</b> 60 bar / 870 PSI	<b>07</b> -1 - 20 bar / 300 <b>00</b> N PSIG F	No Gauge OO No Gauge Fitted Fitted	000 No Inlet Fitted	00 No Outlet Fitted	A No Options Selected
GPM4212	<b>04</b> 300 bar / 4350 PSI	<b>10</b> -1 - 50 bar / 725 <b>01</b> b PSIG	par/PSI <b>01</b> bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	F Bonnet Vent Capture Kit
GPM4231		1450 PSI C	par/PSI Contact Gauge	002 1/4 Stainless Steel Compression	<b>02</b> 1/4 Stainless Steel Compression	K Certificate of Conformity
GPM4232		12 0-200 bar / 2900 PSI		003 6mm Stainless Steel Compression	03 6mm Stainless Steel Compression	M CO2 Burst Disc
				<b>004</b> 1/4 NPT Male	<b>04</b> 1/4 NPT Male	P Calibration / Pressure Test Certificate
				007 G3/8 BSP R/H Brass Male	07 G3/8 BSP R/H Brass Male	R Fitted Pipeline Pressure Relief Valve, FKM Seal
				008 G3/8 BSP L/H Brass Male	08 G3/8 BSP L/H Brass Male	S Fitted Pipeline Pressure Relief Valve, EPDM Seal
						T Fitted High Pressure Purge Facility, FKM Seal
						U Fitted High Pressure Purge Facility, EPDM Seal
						X Special Instruction