



TECH MASTER GPD4200 SERIES

4.5 Purity Two Stage Brass Barstock Piston Differential Autochange Gas Control Panel

The Tech Master GPD4200 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.

- **GPD4241 Series** | Two Stage Twin Cylinder Piston Differential Autochange Gas Control Panel, FKM Seal
- **GPD4242 Series** | Two Stage Twin Cylinder Piston Differential Autochange Gas Control Panel, EPDM Seal



FEATURES

High pressure isolation valves

Two stage pressure regulation

Process line isolation valve

Encapsulated seat design

Twin cylinder configuration



MATERIALS

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

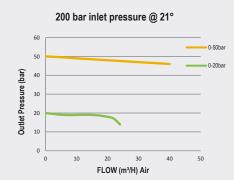
* Subject to cylinder connection. **** Subject to final configuration.

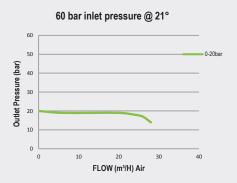
M SPECIFICATION

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)
Gauge	50mm (2") Diameter
Ports	1/4" NPT Female
Temperature Range	-20° C to +60° C (-4° F to +140° F)
Flow Coefficient (Cv)	0.078
Weight	8.00kg (17.64 lbs)****

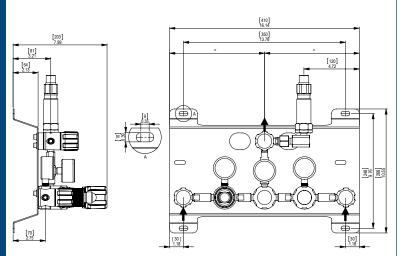
FLOW PERFORMANCE

300 bar inlet pressure @ 21° 0-50bar 0-20bar 0-20bar 0-20bar 0-20bar FLOW (m³/H) Air



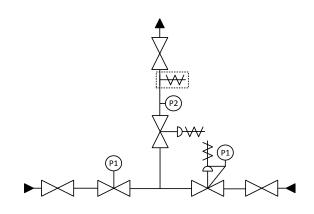








PROCESS & INSTRUMENTATION



- Isolation Valve

- Fixed Pressure Regulator with P1 Pressure Gauge

Adjustable Pressure Regulator with P1 Pressure Gauge and Pressure Relief Valve

D-W - Adjustable Pressure Regulator with Pressure Relief Valve

—№ - P2 Pressure Gauge

- Pressure Relief Valve

- Denotes a Configurable Option

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	No. Selector Gu	ilde		Outlet			
Product Type	Inlet Pressure	Outlet Pressure	Inlet Pressure Gauge	Pressure Gauge	Inlet/Cylinder Connection	Outlet Connection	Options
GPD4241	02 60 bar / 870 PSI	07 -1 - 20 bar / 300 PSIG	00 No Gauge Fitted	00 No Gauge Fitted	000 No Inlet Fitted	00 No Outlet Fitted	A No Options Selected
GPD4242	04 300 bar / 4350 PSI	10 -1 - 50 bar / 725 PSIG	01 bar/PSI	01 bar/PSI	001 1/8 Stainless Steel Compression	01 1/8 Stainless Steel Compression	F Bonnet Vent Capture Kit
		11 0-100 bar / 1450 PSI	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, FKM Seal
					007 G3/8 BSP R/H Brass Male	07 G3/8 BSP R/H Brass Male	S Fitted Pipeline Pressure Relief Valve, EPDM Seal
					008 G3/8 BSP L/H Brass Male	08 G3/8 BSP L/H Brass Male	T Fitted High Pressure Purge Facility, FKM Seal
							U Fitted High Pressure Purge Facility, EPDM Seal
							X Special Instruction