



TECH MASTER GPD4200 SERIES

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

The Tech Master GPD4200 series single 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 slight pressure variation is acceptable.

- **GPD4231 Series** | Single Stage Twin Cylinder Piston Differential Autochange Gas Control Panel, FKM Seal
- **GPD4232 Series** | Single Stage Twin Cylinder Piston Differential Autochange Gas Control Panel, EPDM Seal



High pressure isolation valves

Single stage pressure regulation

Process line isolation valve

Encapsulated seat design

Twin cylinder configuration



MATERIALS

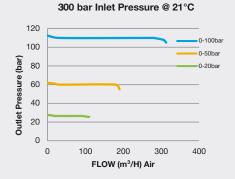
| Body | Brass Barstock | | | |
|--------|--------------------------------|--|--|--|
| Bonnet | Brass Barstock | | | |
| Piston | Brass | | | |
| Seal | FKM / EPDM | | | |
| Seat | Polyamide (Nylon®) | | | |
| Filter | 10 Micron 316L Stainless Steel | | | |

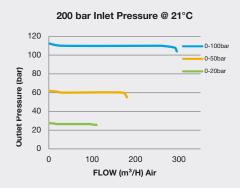
* Subject to cylinder connection. **** Subject to final configuration.

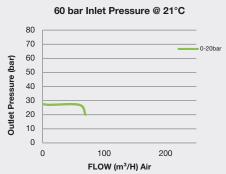
SPECIFICATION

| Maximum Inlet Pressure | 60 bar (870 PSI) / 300 bar (4350 PSI)* | | | |
|----------------------------|---|--|--|--|
| Delivery Pressure Range | 20 bar (300 PSI) Minimum / 50 bar (725 PSI) Minimum / 100 bar (1450 PSI) Minimum | | | |
| 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 | 8.00kg (17.64 lbs)**** | | | |
| | | | | |

FLOW PERFORMANCE

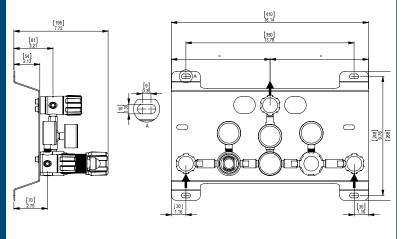


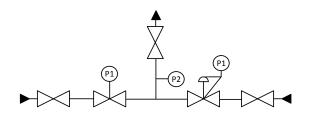












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- Isolation Valve

P1 |

 Fixed Pressure Regulator with P1 Pressure Gauge (P1)

—(P2)

 Adjustable Pressure Regulator with P1 Pressure Gauge and

- P2 Pressure Gauge

| Model No. Selector Guide | | | | | | | | | |
|--------------------------|---------------------------------|------------------------------------|--------------------------------|-----------------------------|--|---------------------------------------|--|--|--|
| Product Type | Inlet Pressure | Outlet Pressure | Inlet Pressure Gauge | Outlet Pressure Gauge | Inlet Connection | Outlet Connection | Options | | |
| GPD4231 | 02 60 bar / 870 PSI | 07 20 bar / 300 PSIG min | 00 No Gauge Fitted | 00 No Gauge Fitted | 000 No Inlet Fitted | 00 No Outlet Fitted | A No Options Selected | | |
| GPD4232 | 04 300 bar / 4350 PSI | 10 50 bar / 725 PSIG min | 01 bar/PSI | 01 bar/PSI | 001 1/8 Stainless Steel Compression | 01 1/8 Stainless Steel Compression | F Bonnet Vent Capture Kit | | |
| | | 11 100 bar / 1450 PSIG min | 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 | T Fitted High Pressure Purge Facility, FKM Seal | | |
| | | | | | 007 G3/8 BSP R/H Brass Male | 07 G3/8 BSP R/H Brass Male | U Fitted High Pressure Purge Facility, EPDM Seal | | |
| | | | | | 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 | | |
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