



# SPEC MASTER HPD6000 SERIES

6.0 Purity Single Stage Nickel Plated Brass Barstock Diaphragm Differential Autochange Gas Control Panel

The Spec Master HPD6000 series single stage differential autochange control panels are designed for primary pressure gas control of non-corrosive or toxic, high purity gases up to grade 6.0 purity (99.9999%), on gas distribution systems where slight pressure variation is acceptable.

- **HPD6031 Series** | Single Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, FKM Seal, FFKM Pressure Relief Valve
- **HPD6032 Series** | Single Stage Twin Cylinder Diaphragm Differential Autochange Gas Control Panel, EPDM Seal, FFKM Pressure Relief Valve

# $(\star)$

#### **FEATURES**

High pressure isolation valves

High pressure purge facility

Single stage pressure regulation

Process line isolation valve

Encapsulated seat design

Twin cylinder configuration



### **MATERIALS**

| Body      | Nickel Plated Brass Barstock   |  |  |  |
|-----------|--------------------------------|--|--|--|
| Bonnet    | Nickel Plated Brass Barstock   |  |  |  |
| Diaphragm | 316L Stainless Steel           |  |  |  |
| Seal      | PTFE                           |  |  |  |
| Seat      | PCTFE                          |  |  |  |
| Filter    | 10 Micron 316L Stainless Steel |  |  |  |

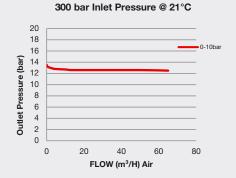
<sup>\*</sup> Subject to cylinder connection. \*\*\*\* Subject to final configuration.

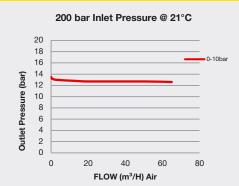
## **SPECIFICATION**

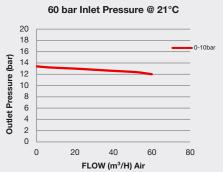
| ar (870 PSI) / 300 bar (4350 PSI)* |
|------------------------------------|
| ar (150 PSI) Minimum               |
| n (2") Diameter                    |
| PT Female                          |
| C to +60° C (-4° F to +140° F)     |
|                                    |
| <sup>9</sup> mbar I/s              |
| g (17.64 lbs)****                  |
|                                    |



#### **FLOW PERFORMANCE**

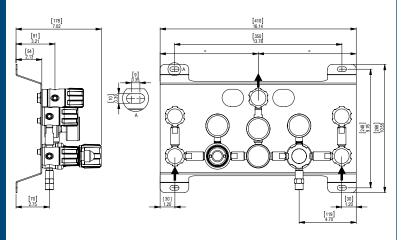


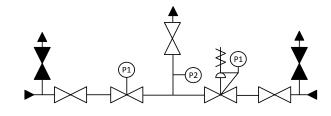














- Isolation Valve
- Isolation Valve (Closed)
- Fixed Pressure Regulator with P1 Pressure Gauge



—P2

- Adjustable Pressure Regulator with P1 Pressure Gauge and Pressure Relief Valve
- P2 Pressure Gauge

| Model No. Selector Guide |                                 |                                  |                                |                             |  |                                       |  |  |  |
|--------------------------|---------------------------------|----------------------------------|--------------------------------|-----------------------------|--|---------------------------------------|--|--|--|
| Product<br>Type          | Inlet Pressure                  | Outlet Pressure                  | Inlet Pressure<br>Gauge        | Outlet<br>Pressure<br>Gauge | Inlet Connection                       | Outlet Connection                     | Options  |  |  |
| HPD6031                  | <b>02</b> 60 bar / 870 PSI      | <b>05</b> -1 - 10 bar / 150 PSIG | 00 No Gauge<br>Fitted          | 00 No Gauge<br>Fitted       | 000 No Inlet Fitted                    | 00 No Outlet Fitted                   | A No Options<br>Selected                                 |  |  |
| HPD6032                  | <b>04</b> 300 bar / 4350<br>PSI |                                  | 01 bar/PSI                     | 01 bar/PSI                  | 001 1/8 Stainless Steel<br>Compression | 01 1/8 Stainless Steel Compression    | F Bonnet Vent<br>Capture Kit                             |  |  |
|                          |                                 |                                  | 02 bar/PSI<br>Contact<br>Gauge |                             | 002 1/4 Stainless Steel<br>Compression | 02 1/4 Stainless Steel Compression    | G Helium Test<br>Certificate                             |  |  |
|                          |                                 |                                  |                                |                             | 003 6mm Stainless Steel<br>Compression | 03 6mm Stainless Steel<br>Compression | K Certificate of Conformity                              |  |  |
|                          |                                 |                                  |                                |                             | <b>004</b> 1/4 NPT Male                | <b>04</b> 1/4 NPT Male                | M CO2 Burst Disc   |  |  |
|                          |                                 |                                  |                                |                             | 007 G3/8 BSP R/H Brass<br>Male         | 07 G3/8 BSP R/H Brass Male            | P Calibration / Pressure Test Certificate                |  |  |
|                          |                                 |                                  |                                |                             | 008 G3/8 BSP L/H Brass<br>Male         | 08 G3/8 BSP L/H Brass Male            | R Fitted Pipeline<br>Pressure Relief<br>Valve, FKM Seal  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       | S Fitted Pipeline<br>Pressure Relief<br>Valve, EPDM Seal |  |  |
|                          |                                 |                                  |                                |                             |  |                                       | X Special Instruction                                    |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |
|                          |                                 |                                  |                                |                             |  |                                       |  |  |  |