Gas Control Equipment

# Spec Master HPD6030 Series

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





**The Spec Master HPD6030** 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

## FEATURES

- High pressure isolation valves
- High pressure purge facility
- Single stage pressure regulation
- Process line isolation valve
- Encapsulated seat design
- Twin cylinder configuration

## MATERIAL

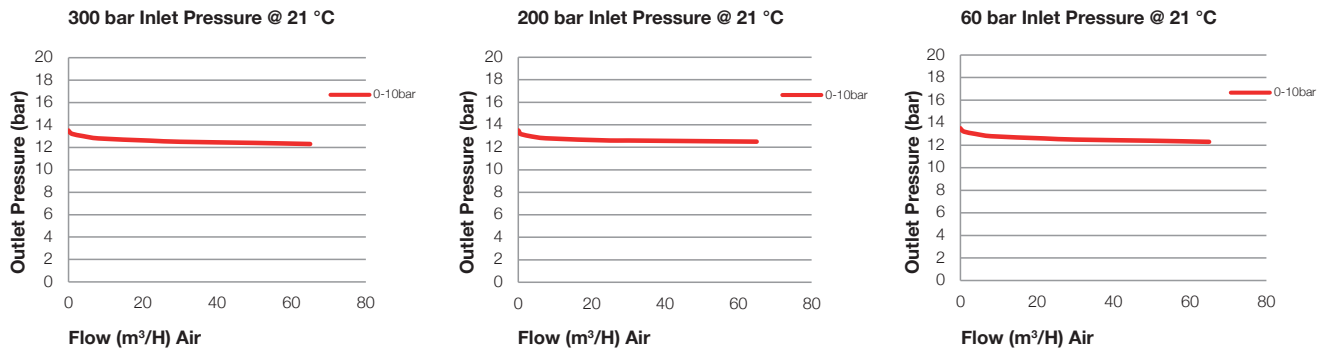
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|---|---|
| **Body** | Nickel plated Brass Barstock |
| **Bonnet** | Nickel plated Brass Barstock |
| **Diaphragm** | 316L Stainless Steel |
| **Bonnet Seal** | PTFE |
| **Seal** | FKM / EPDM |
| **Valve Seat** | PCTFE |
| **Filter** | 10 Micron 316L Stainless Steel |

## SPECIFICATION

| | |
|---|---|
| **Maximum Inlet Pressure** | 15 bar (220 PSI)<br>60 bar (870 PSI)<br>300 bar (4350 PSI) |
| **Delivery Pressure Range** | 10 bar (150 PSI) Minimum |
| **Gauges** | 50mm (2") Diameter |
| **Ports** | 1/4" NPT Female |
| **Temperature Range** | -20° C to +60° C (-4° F to +140° F) |
| **Helium Leak Integrity** | $1x10^{-9}$ mbar l/s |
| **Weight** | 8.0 kg (17.46 lbs) **** |

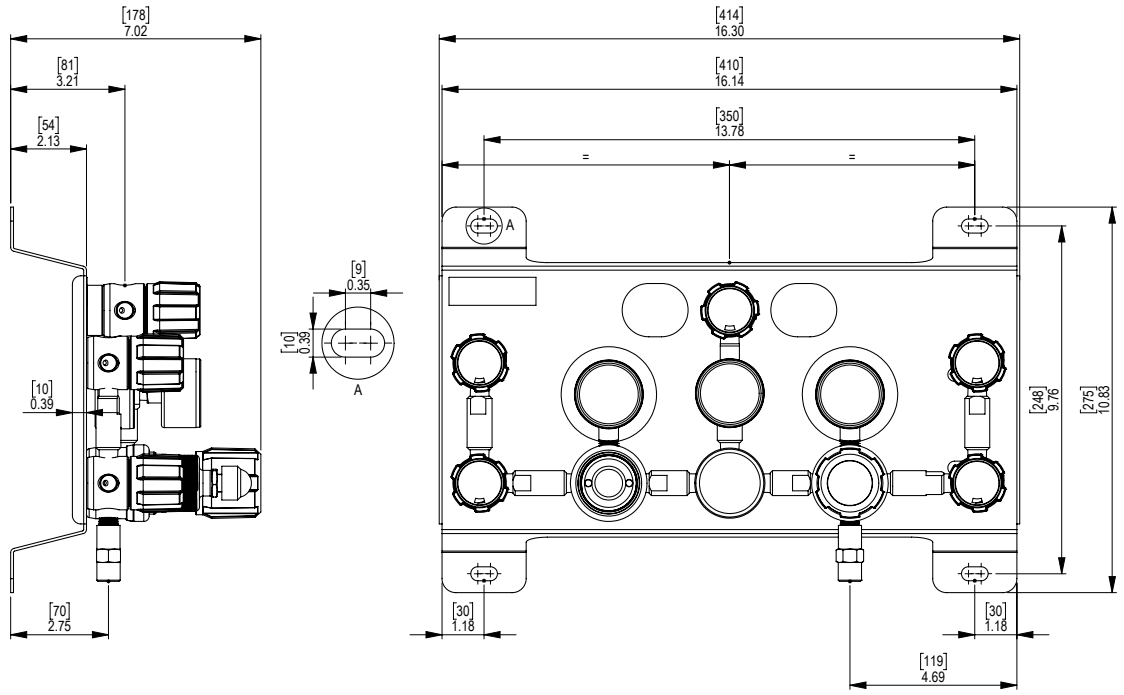
**** *Subject to inal con iguration*

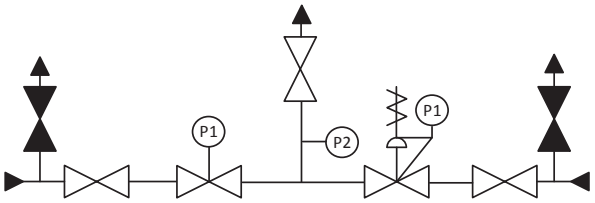
## FLOW PERFORMANCE

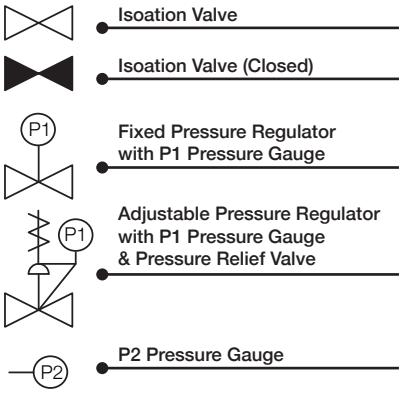



We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

## DRAWINGS




## MODEL NO. SELECTOR GUIDE

**Example for a Model No. for HPD6030 Series**

**HPD6031- 02- 05- 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 |
|---|---|---|---|---|---|---|---|
| **HPD6031** | **02** 60 [870] | **05** 10 [150] min | **00** No Gauge Fitted | **00** No Gauge Fitted | **000** 1/4 NPT Female | **00** 1/4 NPT Female | **A** No Options Selected |
| **HPD6032** | **04** 300 [4350] | | **01** bar/PSI | **01** bar/PSI | **001** 1/8 Stainless Steel Compression | **01** 1/8 Stainless Steel Compression | **F** Bonnet Vent Capture Kit |
| | **06** 15 [220] | | **02** bar/PSI Contact Gauge | | **002** 1/4 Stainless Steel Compression | **02** 1/4 Stainless Steel Compression | **G** Helium Test Certificate |
| | | | | | **003** 6mm Stainless Steel Compression | **03** 6mm Stainless Steel Compression | **K** Certificate of Conformity |
| | | | | | **004** 1/4 NPT Male | **04** 1/4 NPT Male | **M** CO2 Burst Disc |
| | | | | | **007** G3/8 BSP R/H Brass Male | **07** G3/8 BSP R/H, Brass, Male | **P** Calibration/ Pressure Test Certificate |
| | | | | | **008** G3/8 BSP L/H Brass Male | **08** G3/8 BSP L/H, Brass, Male | **X** Special Instruction |

Gas Control Equipment

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