Gas Control Equipment

# Chem Master SGD6230 Series

*6.0 Purity Single Stage Stainless Steel Piston Differential Autochange Gas Control Panel*





**The Chem Master SGD6230** Series single stage differential autochange control panels are designed for primary pressure gas control of corrosive, toxic or high purity gases up to grade 6.0 purity (99.9999%), on gas distribution systems where slight pressure variation is acceptable.

- **SGD6231** Series | Single Stage Twin Cylinder Piston Differential Autochange Gas Control Panel, FKM Seal
- **SGD6232** Series | Single Stage Twin Cylinder Piston Differential Autochange Gas Control Panel, EPDM Seal

## FEATURES

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

## MATERIAL

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

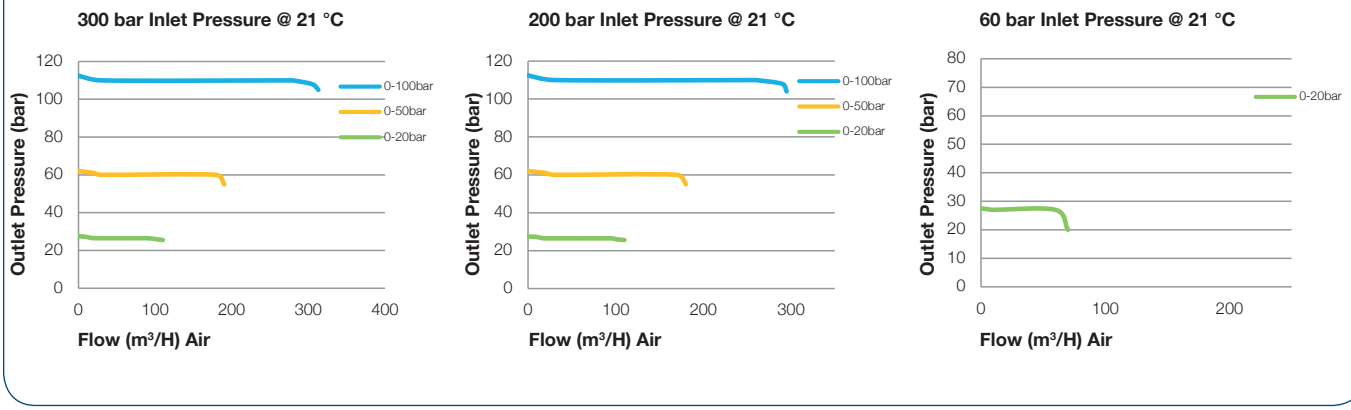
## SPECIFICATION

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

*** *Nace and 3.1 material certificates available on request. Please contact the sales office for further information.*

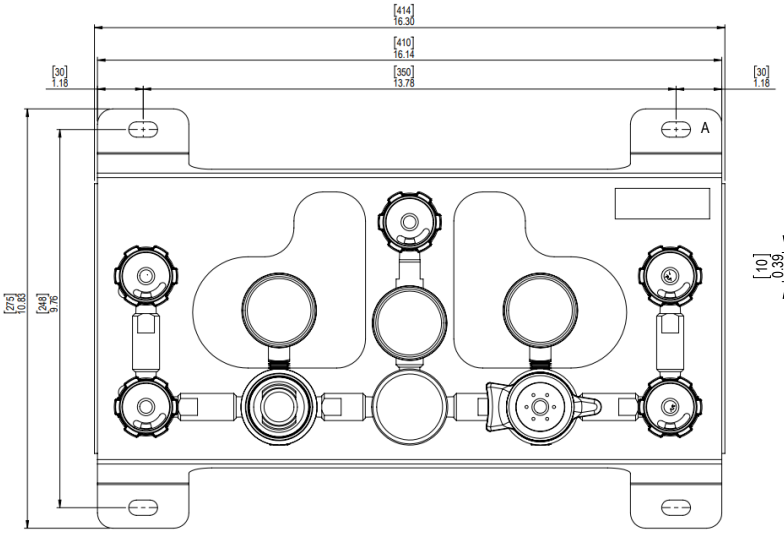
**** *Subject to final configuration.*

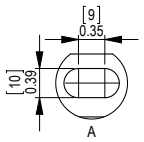
## FLOW PERFORMANCE

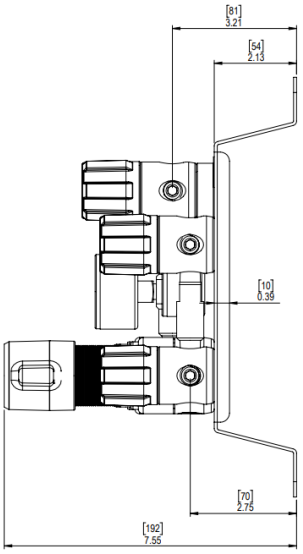


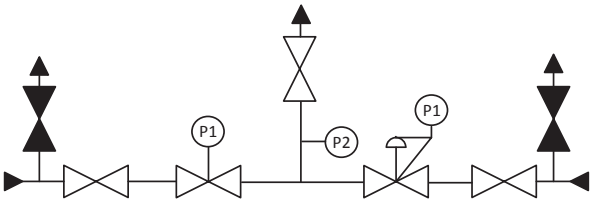

We do everything we can to ensure that the technical information within this document is correct at time of publishing, however content may be changed without notice.

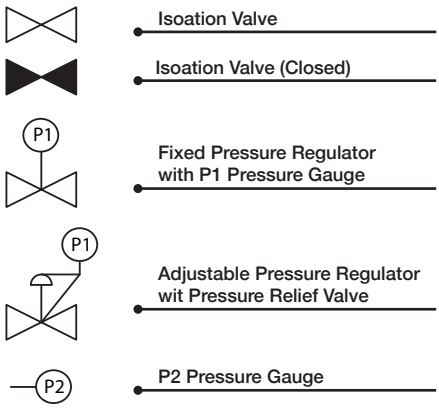
## DRAWINGS




## MODEL NO. SELECTOR GUIDE

**Example for a Model No. for SGD6230 Series**

**SGD6231- 02- 07- 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 |
|---|---|---|---|---|---|---|---|
| **SGD6231** | **02** 60 [870] | **07** 0 to 20 [300] | **00** No Gauge fitted | **00** No Gauge Fitted | **000** 1/4 NPT Female | **00** 1/4 NPT Female | **A** No Options Selected |
| **SGD6232** | **04** 300 [4350] | **10** 0 to 50 [725] | **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 to 100 [1450] | **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 | **H** 3.1 Material Certificate *** |
| | | | | | **004** 1/4 NPT Male | **04** 1/4 NPT Male | **J** NACE Certificate *** |
| | | | | | | | **K** Certificate of Conformity |
| | | | | | | | **M** CO2 Burst Disc |
| | | | | | | | **P** Calibration/ Pressure Test Certificate |
| | | | | | | | **X** Special Instruction |

Gas Control Equipment

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