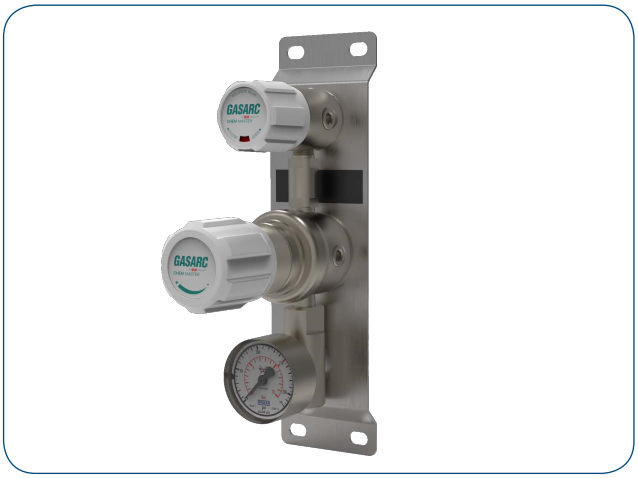
Gas Control Equipment

# Chem Master SGC6000 Series

*6.0 Purity Stainless Steel Diaphragm In-Line Outlet Point*






**The Chem Master SGC6000** Series diaphragm in-line outlet points are designed for secondary pressure gas control of corrosive, toxic and high purity gases up to grade 6.0 purity (99.9999%), on gas distribution systems.

- **SGC6001** Series | Single Stage Wall Mounting Diaphragm In-Line Outlet Point, FKM Seal
- **SGC6002** Series | Single Stage Wall Mounting Diaphragm In-Line Outlet Point, EPDM Seal

## FEATURES

- Isolation Valve
- Non-return Valve
- Encapsulated seat design
- Full range of inlet and outlet fittings
- Wall mounting

## MATERIAL

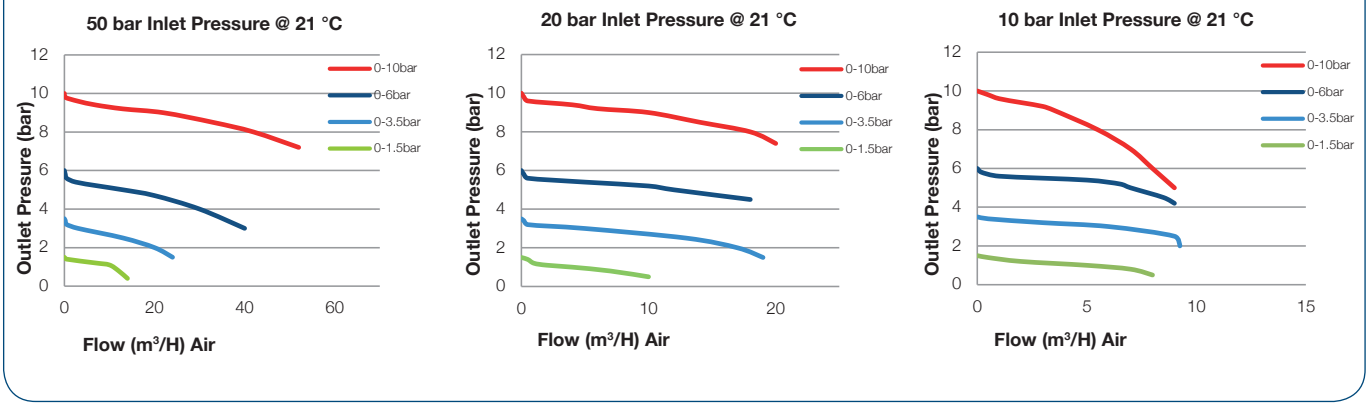
| | |
|---|---|
| **Body** | 316L Stainless Steel |
| **Bonnet** | Nickel Plated Brass Barstock |
| **Diaphragm** | 316L Stainless Steel |
| **Valve Seat** | PCTFE |
| **Bonnet Seal** | PTFE |
| **Seal Option** | FKM / EPDM |
| **Filter** | 10 Micron 316L Stainless Steel |

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

## SPECIFICATION

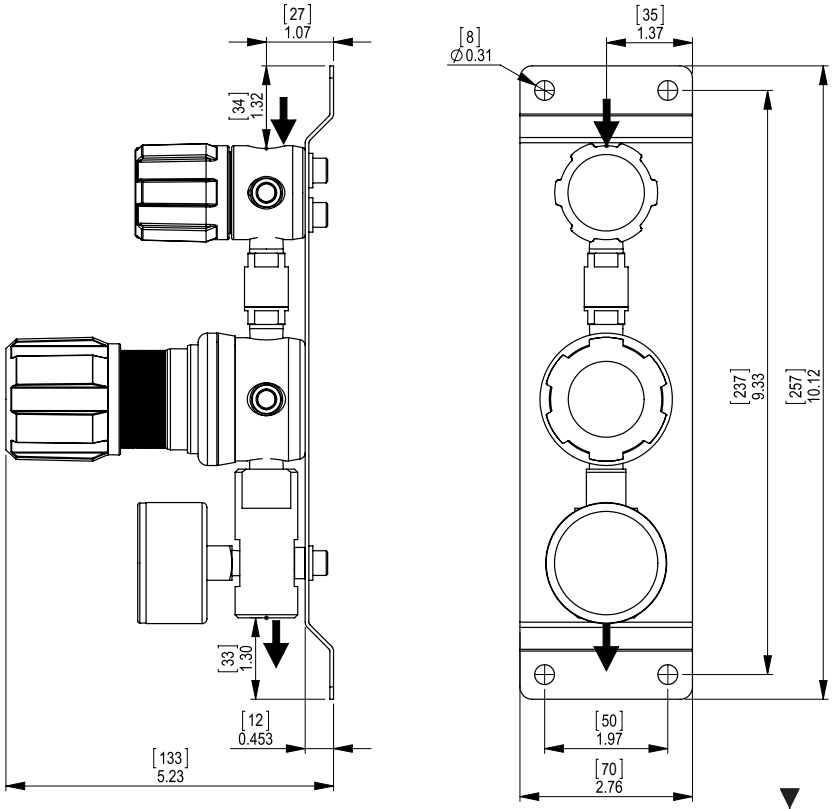
| | |
|---|---|
| **Maximum Inlet Pressure** | 207 bar (4350 PSI) |
| **Delivery Pressure Range** | 1.5 bar (22 PSI) |
| | 3.5 bar (50 PSI) |
| | 6 bar (90 PSI) |
| | 10 bar (150 PSI) |
| **Gauges** | 50mm (2") Diameter |
| **Ports** | 1/4" NPT Female |
| **Temperature Range** | -20° C to +60° C (-4° F to +140° F) |
| **Helium Leak Integrity** | $1x10^{-9}$ mbar l/s |
| **Weight** | 2.05 kg (5.52 lb) |

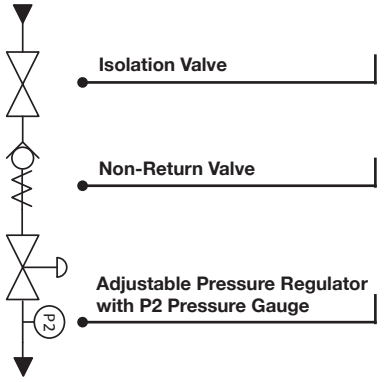
## FLOW PERFORMANCE




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 SGC6000 Series**

**SGC6001- 03- 02- 00- 00- 001- 01- A**

| Product Type | Inlet Pressure Bar [PSI] | Outlet Pressure Bar [PSI] | Inlet Pressure Gauge | Outlet Pressure Gauge | Inlet Connection | Outlet Connection | Options |
|---|---|---|---|---|---|---|---|
| **SGC6001** | **03** 207 bar [3000] | **02** 0 to 1.5 [22] | **00** No Gauge Fitted | **00** No Gauge Fitted | **000** 1/4 NPT Female | **00** 1/4 NPT Female | **A** No Options Selected |
| **SGC6002** | | **03** 0 to 3.5 [50] | | **01** bar/PSI | **001** 1/8 Stainless Steel Compression | **01** 1/8 Stainless Steel Compression | **F** Bonnet Vent Capture Kit |
| | | **04** 0 to 6 [90] | | | **002** 1/4 Stainless Steel Compression | **02** 1/4 Stainless Steel Compression | **G** Helium Test Certificate |
| | | **05** 0 to 10 [150] | | | **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 (CoC) |
| | | | | | | | **L** Panel Mount Locking Nut Kit |
| | | | | | | | **P** Calibration / Pressure Test Certificate |
| | | | | | | | **X** Special Instruction |

GCE® Gas Control Equipment

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