

AG Gases and Equipment Ltd

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Gases & Equipment Ltd

CHEM MASTER SGT600 SERIES

6.0 Purity Two Stage Stainless Steel Diaphragm Cylinder Regulator

Chem Master SGT600 series two stage diaphragm cylinder regulators are designed for primary pressure gas control of corrosive, toxic, and high purity gases up to grade 6.0 purity (99.9999%), on applications where constant delivery pressure is required as cylinder pressure decreases.

- SGT601 Series | Two Stage Diaphragm Cylinder Regulator, FFKM Pressure Relief Valve, FKM Seal
- SGT602 Series | Two Stage Diaphragm Cylinder Regulator, FFKM Pressure Relief Valve, EPDM Seal

Specifications

Maximum Inlet Pressure: 300 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: -20o C to +60o C (-4o F to +140o F)

Flow Coefficient (Cv): 0.079

Helium leak Integrity: 1 x 10⁻⁹ mbar l/s

Weight: 1.7 kg (3.8 lb)**

* Subject to cylinder connection ** Cylinder connection not included



Materials

Body: 316L Stainless Steel

Bonnet: Nickel Plated Brass Barstock

Diaphragm: 316L Stainless Steel

Seal: FKM / EPDM

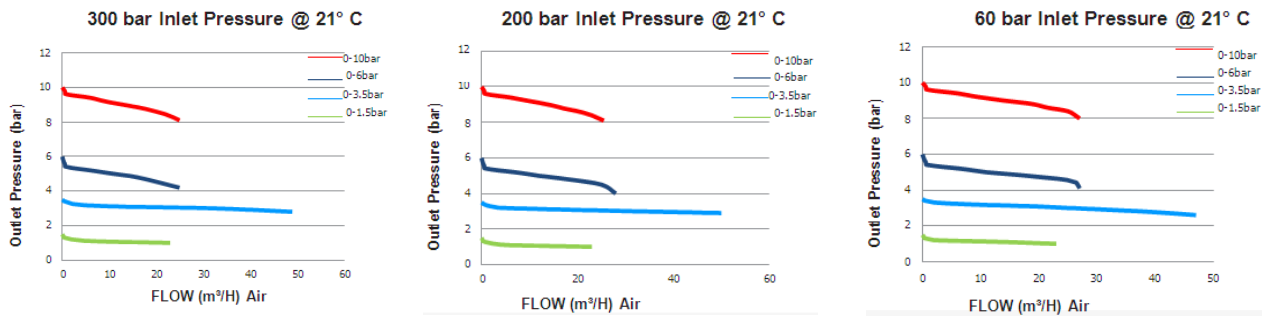
Seat: PCTFE

Filter: 10 Micron 316L Stainless Steel

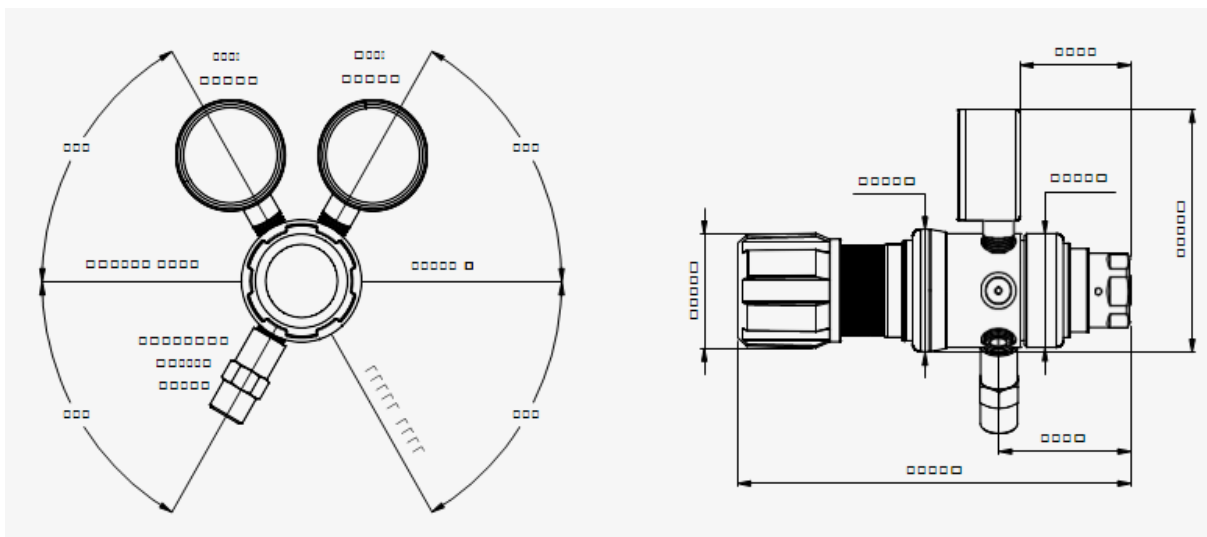
Features

- Five port configuration
- Front panel mounting capabilities
- Encapsulated seat design
- Low wetted surface area
- Full range of inlet and outlet fittings
- Side entry

Flow Performance



Dimensions



Process & Instrumentation

