

AG Gases and Equipment Ltd

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Founded 13/3/2017

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Gases & Equipment Ltd

CHEM MASTER SGS600 SERIES

6.0 Purity Single Stage Stainless Steel Diaphragm Cylinder Regulator

Chem Master SGS600 series single stage diaphragm cylinder regulators are designed for primary pressure gas control of corrosive, toxic or high purity gases up to grade 6.0 purity (99.9999%), on applications where slight pressure variation from decreasing cylinder pressure is acceptable.

- SGS600 Series | Single Stage Diaphragm Cylinder Regulator, FFKM Pressure Relief Valve

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): 0.1

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

Weight: 1.2 kg (2.7 lb)**

* Subject to cylinder connection ** Cylinder connection not included



Materials

Body: 316L Stainless Steel

Bonnet: Nickel Plated Brass Barstock

Diaphragm: 316L Stainless Steel

Seal: PTFE

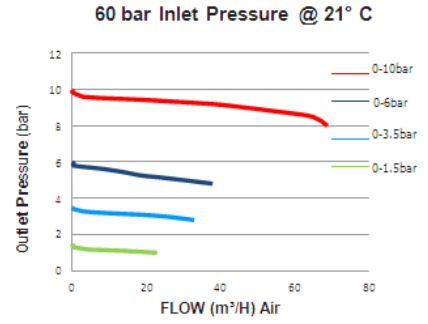
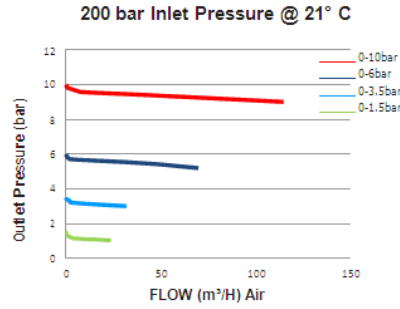
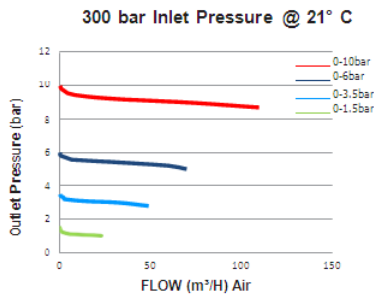
Seat: PCTFE

Filter: 10 Micron 316L Stainless Steel

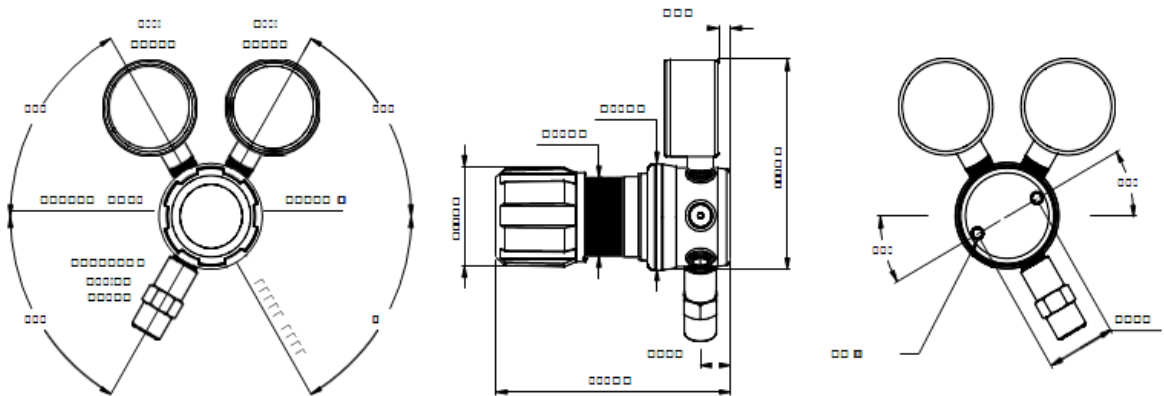
Features

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

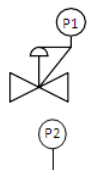
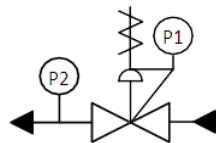
Flow Performance



Dimensions



Process & Instrumentation



- Adjustable Pressure Regulator with P1 Pressure Gauge

- P2 Pressure Gauge



- Pressure Relief Valve