

AG Gases and Equipment Ltd

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Gases & Equipment Ltd

TECH MASTER GPS420 SERIES

4.5 Purity Single Stage Brass Barstock Piston Cylinder Regulator

Tech Master GPS420 series single stage piston cylinder regulators are designed for primary pressure gas control of non-corrosive or toxic, technical grade gases up to 4.5 purity (99.995%), on applications where slight pressure variation from decreasing cylinder pressure is acceptable.

- GPS421 Series | Single Stage Piston Cylinder Regulator, FKM Seal
- GPS422 Series | Single Stage Piston Cylinder Regulator, EPDM Seal

Specifications

Maximum Inlet Pressure: 300 bar (4350 PSI)

Delivery Pressure Range: 20 bar (300 PSI) / 50 bar (725 PSI) /
100 bar (1450 PSI) / 200 bar (2900 PSI) / 250 bar (3630 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

Weight: 1.5 kg (3.3 lb)**

* Subject to cylinder connection ** Cylinder connection not included



Materials

Body: Brass Barstock

Bonnet: Brass Barstock

Piston: Brass

Seal: FKM / EPDM

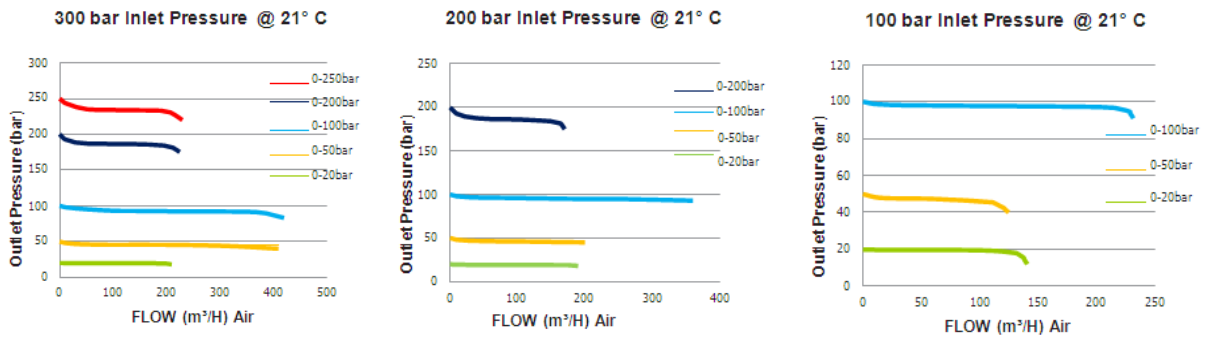
Seat: Polyamide (Nylon®)

Filter: 10 Micron 316L Stainless Steel

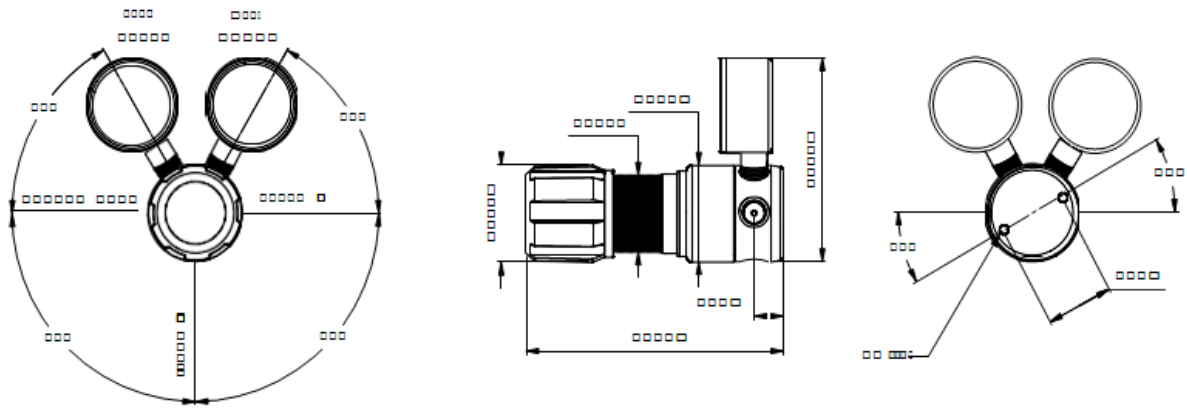
Features

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

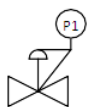
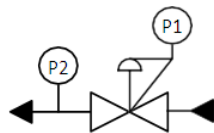
Flow Performance



Dimensions



Process & Instrumentation



- Adjustable Pressure Regulator with P1 Pressure Gauge



- P2 Pressure Gauge