



6000 Series Multiflow Regulators

The 6000 Series regulators are for use with transportable D(58), D(103) and D(221) (58, 103 and 221 liter) non-refillable cylinders and can be configured for use with high pressure refillable cylinders. These aluminum single stage piston style regulators are recommended for applications requiring a fixed rate. Their aluminum construction is compatible with a wide range of pure gases and mixtures, including hydrogen sulfide, nitric oxide and sulfur dioxide. The regulator has eight flow settings ranging from 0.2 to 6 liters per minute. It is available with either a stainless steel or brass gauge and your choice of CGA connections. Gauges are 1,000 psig for non-refillable cylinders or 3,000 psig for high pressure refillable cylinders.

Features

- Piston Type Construction
- Preset Flow Ratings
- 1-1/2" x 1000 or 3000 psig gauge

Specifications

- **Maximum Inlet Pressure**
2000 psig
- **Temperature Operating Range**
0 °F to 140 °F
(-18 °C to 60 °C)
- **Outlet Flow Settings (Orifice)**
0.3, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 5.0, 6.0, 7.0 and 8.0 Lpm
- **Inlet Fitting**
5/8" – 18 unf (C-10) or specified CGA
- **Outlet Fitting**
3/16" Hose barb

Materials

- **Body**
Aluminum
- **Spring Housing Cap**
Aluminum
- **Nozzle**
Aluminum
- **Seat**
KEL-F®
- **Inboard Filter**
50 micron sintered stainless steel
- **Pressure Adjusting Spring**
Heat-treated mild steel wire

Ordering Information — 6000 Series

Part Number	Description
PRS6C10N	Regulator for 103 liter cylinder, brass gauge, 1000 psig
PRS6C10R	Regulator for 58 liter cylinder, SS gauge, 1000 psig
PRS6165	Regulator with CGA 165 inlet, 1000 psig
PRS6590	Regulator with CGA 590 inlet, 3000 psig
PRS6330	Regulator with CGA 330 inlet, 3000 psig



8000 Series Pressure Demand Regulators

The 8000 Series pressure demand regulators are for use with transportable D(58) and D(103) (58 and 103 liter) non-refillable cylinders and can be configured for use with refillable cylinders. This regulator is designed to automatically provide the correct flow of gas to instruments that have internal pumps for introducing calibration gas into the instrument. Typical activation suction is from 0 to 3 inches of water, which conveniently matches the requirements for the many different portable gas monitors on the market. The 8000 Series can be configured for cylinders with supply pressures of 500 psig to 1000 psig. The body of the regulator is nickel plated brass, has an aluminum bonnet and features Viton® as the seating material for reactive gases. The aluminum and nickel plated brass are compatible with a wide range of pure gases and mixtures, including hydrogen sulfide, nitric oxide and sulfur dioxide. This regulator features an outlet fitting which is a 3/16" hose barb.

The 8660 Series pressure demand regulator is for use with the CGA 660 outlet connection and high pressure refillable cylinders. It features a gauge available in stainless steel for reactives or brass for non-reactives, with a pressure range of 0 to 3000 psig.

Features

- Flow Dependent on Instrument Demand
- Variable Flow Ratings
- 1000 or 3000 psig gauge

Specifications

- **Maximum Inlet Pressure**
2000 psig
- **Temperature Operating Range**
0 °F to 140 °F (-18 °C to 60 °C)
- **Inlet Fitting**
5/8" – 18 UNF (C-10) or CGA 330 or CGA 660
- **Outlet Fitting**
3/16" Hose barb
- **Outlet Flow Settings**
Variable, matches instrument requirement
Flow range, .25 to 3 Lpm

Materials

- **Body**
Nickel plated brass
- **Bonnet**
Aluminum
- **Seat and Seals**
Viton® and Teflon®
- **Gauges**
0-1000 psig for C-10 fittings
0-3000 psig for CGA 330 and CGA 660

Ordering Information – 8000 Series

Part Number	Description
PRS8C10N	Regulator for 103 liter cylinder, brass gauge, 1000 psig
PRS8C10R	Regulator for 58 liter cylinder, SS gauge, 1000 psig
PRS8580	Regulator with CGA 580 inlet, 3000 psig
PRS8590	Regulator with CGA 590 inlet, 3000 psig
PRS8330	Regulator with CGA 330 inlet, 3000 psig
PRS8660	Regulator with CGA 660 inlet, 3000 psig