

Industrial Hygiene

Special Purpose Regulators for Transportable Cylinders

PRAXAIR
Making our planet more productive



400 Series Preset Flow Regulators

The 400 Series regulators are for use with transportable D(17) and D(34) (17 and 34 liter) non-refillable cylinders using a CGA 600 valve. These single stage, piston style regulators are designed for non-corrosive service. The control valve permits constant gas flow and easy on/off capability. Each regulator comes with a cylinder pressure gauge and is available in five preset flow ranges.

Features

- Piston Type Construction
- On/Off Valve
- Preset Flow Ratings
- 1-1/2" x 700 psig gauge

Specifications

- **Maximum Inlet Pressure**
500 psig
- **Outlet Flow Settings (Orifice)**
0.25, 0.3, 0.5, 1.0, and 1.5 Lpm
- **Temperature Operating Range**
0 °F to 140 °F
(-18 °C to 60 °C)
- **Inlet Fitting**
CGA 600
- **Outlet Fitting**
3/16" Hose barb

Materials

- **Body**
Brass barstock
- **Piston**
Brass
- **Spring Housing Cap**
Chrome-plated brass
- **Piston "O" Rings**
BUNA-N®
- **Seat**
Teflon®

Ordering Information – 400 Series

Part Number	Flow Rate
PRS413	0.25 slpm Air
PRS414	0.30 slpm Air
PRS417	0.5 slpm Air
PRS418	1.0 slpm Air
PRS411	1.5 slpm Air



500 Series Preset Flow Regulators

The 500 Series regulators are for use with transportable D(34A), D(58), D(76) and D(103) (34, 58, 76 and 103 liter) non-refillable cylinders. These single stage, piston style regulators are designed for non-corrosive gas service and have proven to be satisfactory for use with low level corrosive gases (less than 100 ppm)*. The control valve permits constant gas flow and easy on/off capability. Each regulator comes with a cylinder pressure gauge and is available in seven preset flow ranges. This series of regulators is for use with non-refillable cylinders using a 5/8" – 1/8 UNF C-10 valve.

* Low level corrosive gases slowly react with the "wetted" brass parts of the 500 Series regulators. In order to minimize loss of calibration accuracy, the regulator must be removed from the cylinder after each use. The 6000 Series regulator (page D-189) is recommended for extended use with corrosive gas calibration standards.

Features

- Piston Type Construction
- On/Off Valve
- Preset Flow Ratings
- 1-1/2" x 1200 psig gauge

Specifications

- **Maximum Inlet Pressure**
1000 psig
- **Outlet Flow Settings (Orifice)**
0.25, 0.3, 0.5, 1.0, and 1.5, 2.5, and 6.0 Lpm
- **Temperature Operating Range**
0 °F to 140 °F
(-18 °C to 60 °C)
- **Inlet Fitting**
5/8" – 18 unf (C-10)
- **Outlet Fitting**
3/16" Hose barb

Materials

- **Body**
Brass barstock
- **Piston**
Brass
- **Spring Housing Cap**
Chrome-plated brass
- **Piston "O" Rings**
BUNA-N®
- **Seat**
Teflon®

Ordering Information – 500 Series

Part Number	Flow Rate
PRS514	0.25 slpm Air
PRS516	0.30 slpm Air
PRS517	0.50 slpm Air
PRS518	1.0 slpm Air
PRS511	1.5 slpm Air
PRS512	2.5 slpm Air
PRS515	6.0 slpm Air