



FIXED FLOW PISTON SENSED *Pressure Reducing Regulators*

2700 SERIES

PREMIER INDUSTRIES

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Minneapolis, MN 55449
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MADE IN THE USA

Minneapolis, MN

DESCRIPTION

Compact, piston sensed, fixed flow, pressure reducing regulators used for calibration gases and industrial hygiene monitors. Premier 2700 Series regulators are available with preset flow settings from 0.25 LPM to 9.0 LPM; they are offered in a wide variety of materials and configurations, enabling them to regulate a broad range of media. Flows are set using a unique integrated flow adjustment valve prior to shipment. Dependent upon the configuration of the regulator, Premier 2700 Series regulators are designed to handle inlet pressures up to 3000 PSIG (206.84 bar).

FEATURES

- Compact size
- Factory preset flow settings from 0.25 liters/min to 9.0 liters/min
- Wide variety of shut-off valve options
- 3000 PSIG (206.84 bar) max inlet (dependent upon configuration)
- Multiple porting options
- Models are available for both corrosive and non-corrosive service in a variety of materials
- Machined bar stock body, and bonnet eliminates porosity found in castings
- Numerous optional features and configurations are available.
- Economical pricing

*The Premier 2700 Series pressure reducing regulator's design is remarkably flexible.
Contact Premier Industries for a custom 2700 Series regulator to meet your exact needs.*

D/C: 150708

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SPECIFICATIONS

- **MAXIMUM INLET PRESSURE:** 3000 PSIG (206.84 bar)
(dependent upon configuration)
- **STANDARD PRESET CONTROL PRESSURE:**
 - 40-60 PSIG (2.76 - 4.14 bar)
 - Other preset control pressures optional
- **LEAK RATE:** Bubble Tight
- **SHUT OFF VALVE OPTIONS:** (see page 3)
 - None
 - Rotary/Multi-turn
 - Bayonet/Toggle
 - Slide valve
 - Trigger
 - Push Button
 - Solenoid
- **FLOW (Cv):** Preset to customer specifications from 0.25-9.0 LPM (at factory or inventory location)

PORTING

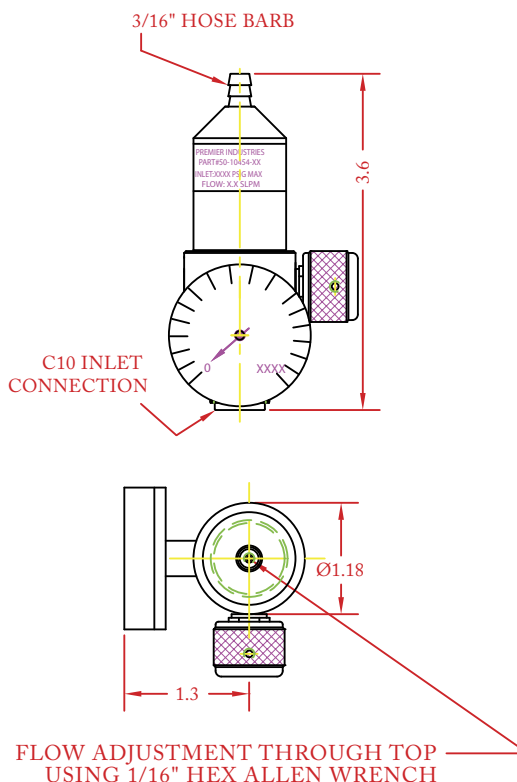
- **INLET PORTING:**
 - C10 (5/8-18 UNF)
 - 1/8" FNPT
 - 1/8" MNPT,
 - 1/4" FNPT
 - 1/4" MNPT
 - All CGA Connections Available:
 - CGA 165, 180, 320, 510, 580, 600, etc.
- **OUTLET PORTING:**
 - 3/16" Hose Barb
 - 1/4" hose barb
 - 1/8" FNPT
 - 1/8" MNPT
 - 1/4" FNPT
 - 1/4" MNPT

MATERIALS OF CONSTRUCTION

- **BODY OPTIONS:**
 - SAE 360 Brass
 - SAE 360 Brass, Electroless Nickel Plated
 - 303 Stainless Steel
 - 316 Stainless Steel
 - 6061-T6 Aluminum, Clear Anodized
- **BONNET OPTIONS:**
 - 6061-T6 Aluminum, Clear Anodized
 - SAE 360 Brass
 - SAE 360 Brass, Electroless Nickel Plated
- **PISTON:**
 - SAE 360 Brass
 - 303 Stainless Steel
 - 316 Stainless
 - 6061-T6 Aluminum, Clear Anodized
- **PISTON SEALS:**
 - Viton®
 - All elastomers available
- **VALVE SEAT:** PTFE

OPTIONS

- Gauges (1/8 FNPT Porting): inlet, outlet, or both
- Yoke style CGA connection
- Inlet shut off/metering valve
- Relief valve
- Seat and sealing materials
- Anodized colors for aluminum bodies and bonnets
- Private label



(Part Number: 50-10454 shown above)

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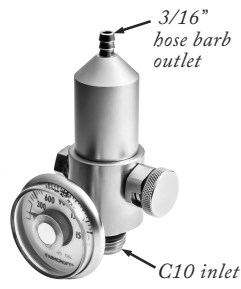
PREMIER FIXED FLOW REGULATOR STYLES

ROTARY VALVE



Part #: 50-10454 shown above

TOGGLE STYLE VALVE



Part #: 50-10482 shown above

SLIDE VALVE



Part #: 50-10809 shown above

PUSH BUTTON VALVE



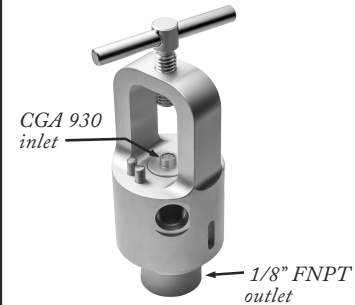
Part #: 50-10619 shown above

TRIGGER STYLE VALVE



Part #: 50-10554 shown above

YOKE STYLE CGA



Part #: 50-12202 shown above

TOGGLE STYLE VALVE



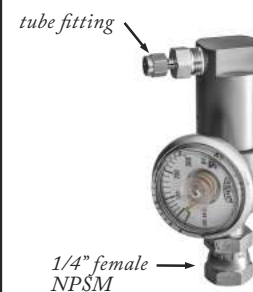
Part #: 50-12085 shown above

SOLENOID OUTLET CONTROL



Part #: 50-11742 shown above

PUSH CONNECT



Part #: Contact for details