

2700 SERIES

Fixed Flow, Piston Sensed
Pressure Reducing Regulators



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

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

SOME APPLICATIONS WILL REQUIRE A CUSTOM SOLUTION.
CONTACT PREMIER INDUSTRIES TO REQUEST A MODIFICATION
OR A CUSTOM DESIGN.

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)

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-A®
 - 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

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

Viton-A® is a registered trademark of E.I. duPont de Nemours and Company

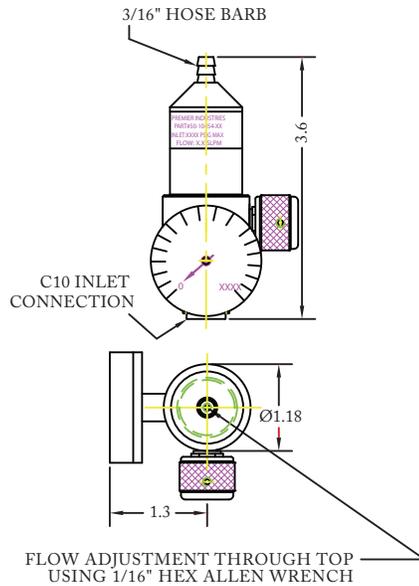
Contact factory for material certifications. Fees may apply.

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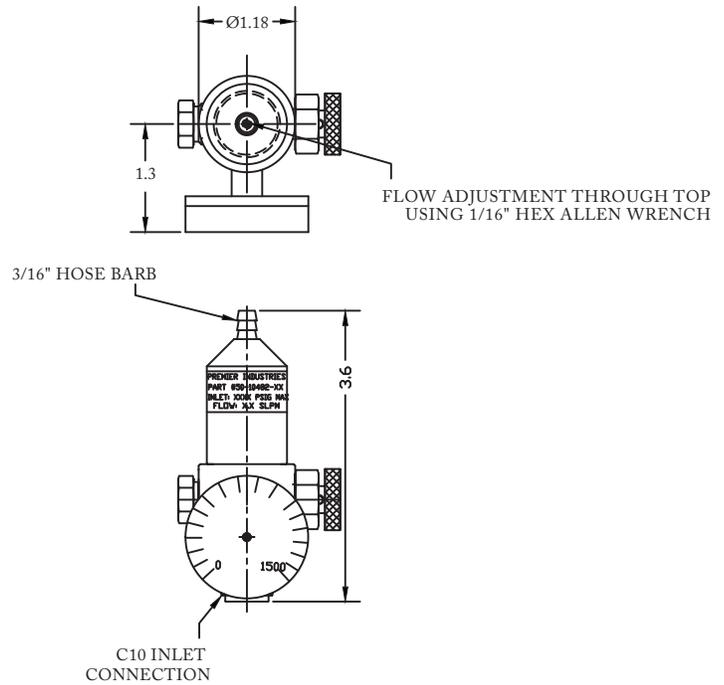
PART NUMBER 50-10454 | rotary valve

(Other part numbers and configurations available,
contact factory for options)



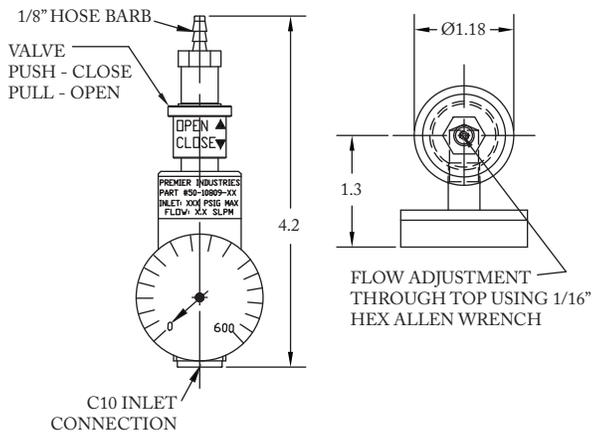
PART NUMBER 50-10482 | toggle style valve

(Other part numbers and configurations available,
contact factory for options)



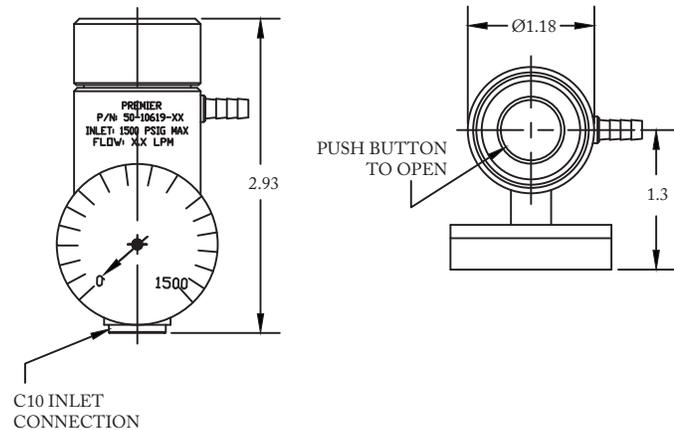
PART NUMBER 50-10809 | slide valve

(Other part numbers and configurations available,
contact factory for options)



PART NUMBER 50-10619 | push button valve

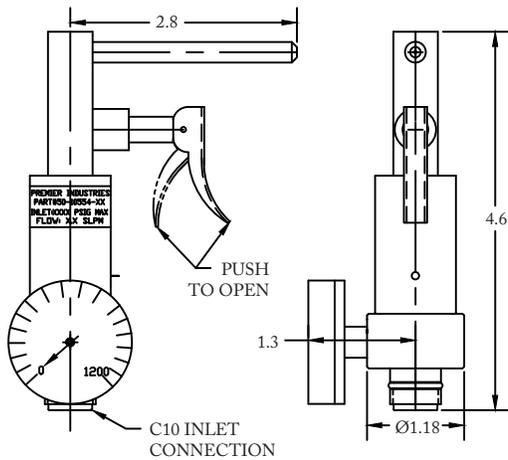
(Other part numbers and configurations available,
contact factory for options)



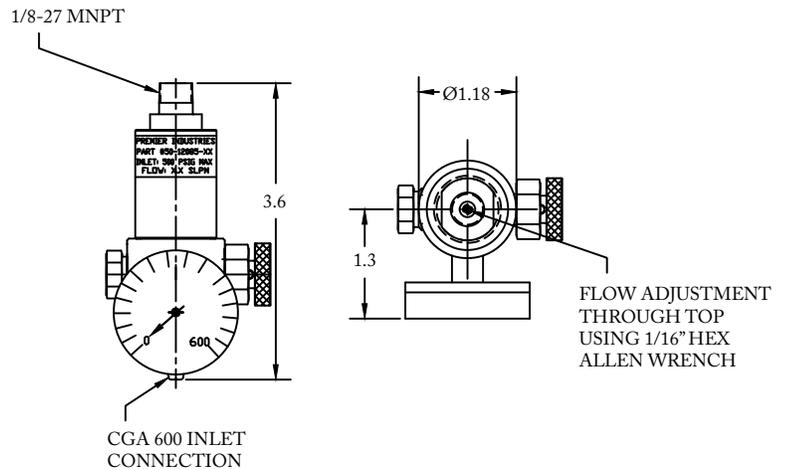
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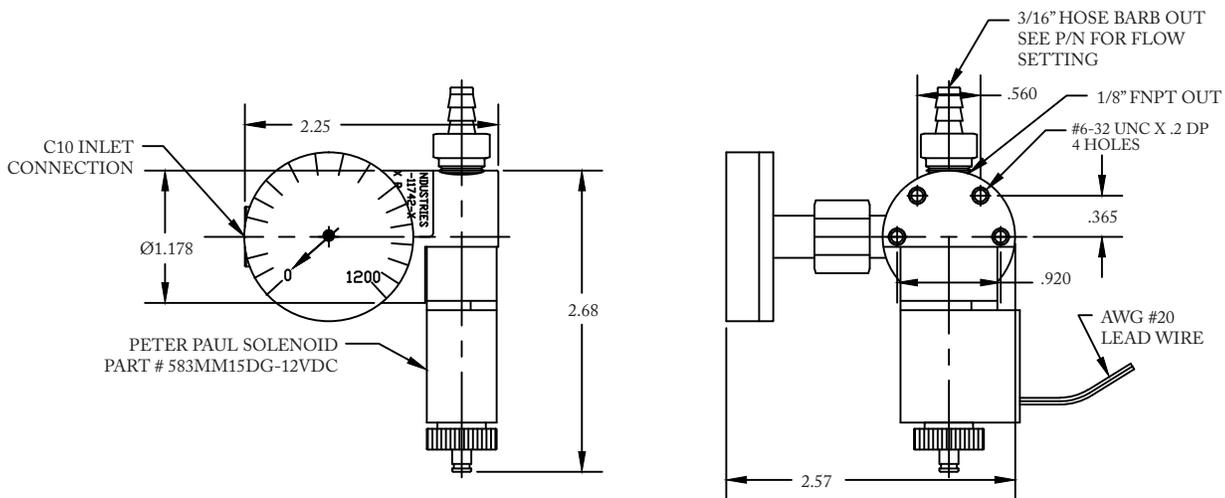
PART NUMBER 50-10554 | *trigger style valve*
(Other part numbers and configurations available,
contact factory for options)



PART NUMBER 50-12085 | *toggle style valve*
(Other part numbers and configurations available,
contact factory for options)

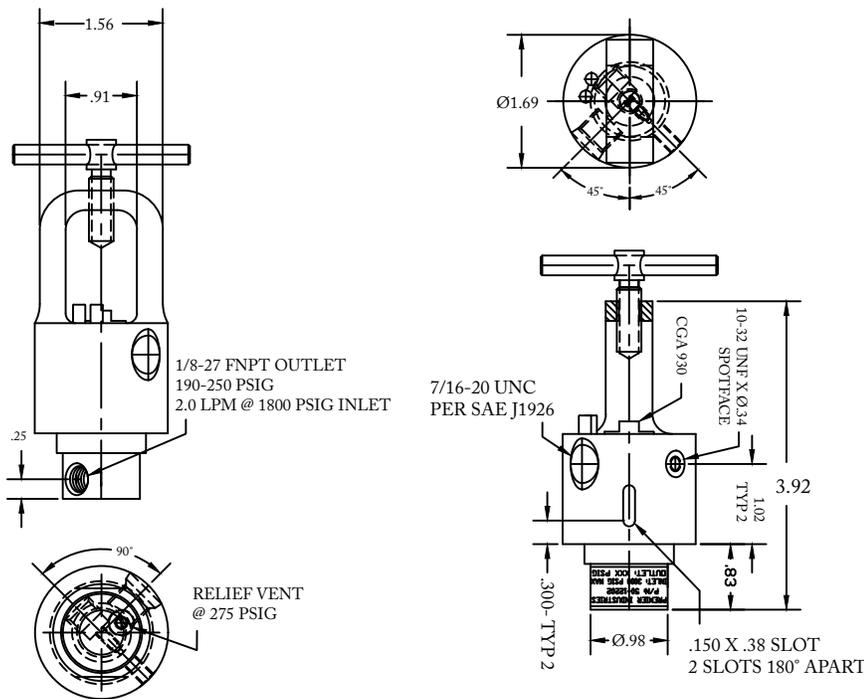


PART NUMBER 50-11742 | *solenoid outlet*
(Other part numbers and configurations available,
contact factory for options)



PART NUMBER 50-12202 | yoke style valve

*(Other part numbers and configurations available,
contact factory for options)*



PART NUMBER 50-10412 | tube connect

*(Other part numbers and configurations available,
contact factory for options)*

