

## 5000 SERIES

High Flow, High Pressure, Piston Sensed  
Pressure Reducing Regulators



The Premier 5000 Series regulators are high flow, piston sensed, pressure reducing regulators, designed for inlet pressures up to 4500 PSIG (*310.26 bar*), outlet pressures of 0-2500 PSIG (*0-172.37 bar*) with a Cv of 2.0 or 1.0.

Designs are available with adjustable or preset outlet pressures. Premier 5000 Series regulators are used to regulate to a broad range of non-corrosive and corrosive media (based on materials of construction).

### FEATURES

- High flow (Cv 2.0 or 1.0)
- 4500 PSIG (*310.26 bar*) max inlet
- Non-venting
- Very competitive pricing
- Machined bar stock body, bonnet and piston eliminates porosity found in castings

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

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## SPECIFICATIONS

- **MAXIMUM INLET PRESSURE :**
  - 4500 PSIG (310.26 bar)
- **CONTROL PRESSURE RANGES:**
  - 0-850 PSIG (0-58.61 bar)
  - 0-2500 PSIG (0-172.37 bar)
- **Cv:** 2.0, 1.0
- **LEAK RATE :** Bubble tight

## MATERIALS OF CONSTRUCTION

- **BODY:** 303 Stainless Steel
- **BONNET:** 303 Stainless Steel
- **SEALS:**
  - Viton®
- **MAIN VALVE SEAT:** Vespel®
- **WETTED PARTS:** 300 Series Stainless Steel
- **HAND KNOB:** 6061-T6 Aluminum

## PORTING

- **INLET PORTING:**
  - 1/2-14 NPT
  - 1/4-18 FNPT
- **OUTLET PORTING:**
  - 1/2-14 NPT
  - 1/4-18 FNPT

## OPTIONS

- Private label
- Cv 1.0: P/N: 50-12403
- Cv 2.0: P/N: 50-11969

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*Contact factory for material certifications. Fees may apply.*

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**PART NUMBER: 50-11969**  
(Cv 2.0)

**PART NUMBER: 50-12403**  
(Cv 1.0)

