



## COMPACT, LIGHT WEIGHT SINGLE STAGE, DIAPHRAGM SENSED *Pressure Reducing Regulators*

# 2300N SERIES

### PREMIER INDUSTRIES

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Minneapolis, MN 55449  
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**MADE IN THE USA**

*Minneapolis, MN*

### DESCRIPTION

Premier 2300N Series regulators are compact, single staged, diaphragm sensed, general purpose regulators. 2300N Series regulators feature a neoprene or Viton® diaphragm and are designed for inlet pressures up to 500 PSIG (34.5 bar). They can be constructed with an integral shut off valve, and are available in a wide range of materials for the regulation of a broad range of media (*as compatible with the configured materials of construction*). Typical media may include: propane, butane, MAPP gas, calibration gases, and refrigerants among others. These compact, general purpose, cylinder regulators offer reliable performance in a compact, lightweight, and economical design.

### FEATURES

- Compact size
- Light weight (approx. 5 oz)
- Neoprene or Viton® diaphragm
- Optional integrated shut off/metering valve
- Economical pricing
- Cv: 0.04 (300 PSIG / 20.7 bar inlet )
- Machined bar stock body, and bonnet eliminates porosity found in castings
- Variety of porting options

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### SPECIFICATIONS

- **MAX INLET PRESSURE:** 500 PSIG (34.5 bar)  
*(dependent upon configuration)*
- **OUTLET PRESSURE RANGES:**
  - 0 - 15 PSIG (0-1.03 bar)
  - 0 - 30 PSIG (0-2.07 bar)
  - 0 - 60 PSIG (0-4.14 bar)
- **FLOW (Cv):** .04 (300 PSIG / 20.7 bar inlet)
- **LEAK RATE:** Bubble Tight
- **OPERATING TEMPERATURE:** -40° F to 165° F
- **WEIGHT:** Approx. 5 oz.

### MATERIALS OF CONSTRUCTION

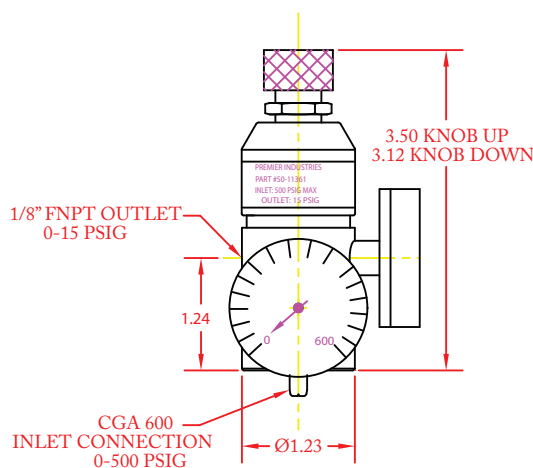
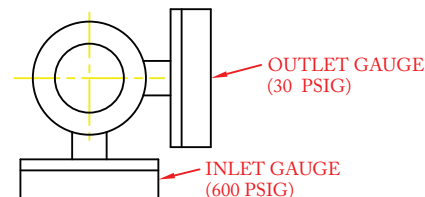
- **BODY OPTIONS:**
  - 6061-T6 Aluminum, Clear Anodized
  - SAE 360 Brass
- **BONNET OPTIONS:**
  - 6061-T6 Aluminum, Clear Anodized
  - SAE 360 Brass
  - Brass, Electroless Nickel Plated
- **DIAPHRAGM:** Neoprene, (Viton® optional)
- **VALVE SEAT:** Neoprene
- **SEALS:**
  - PTFE

### PORTING

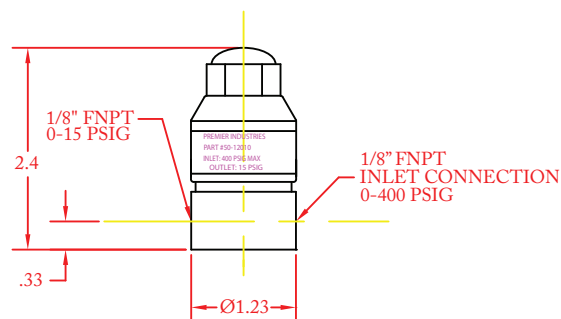
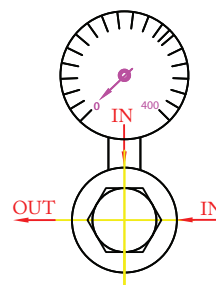
- **INLET PORTING:**
  - 1/8 FNPT
  - 1/4 FNPT
  - CGA600 (bottom port only)
  - All CGA Connections Available:
    - CGA 165, 180, 320, 510, 580, 600, etc.
- **OUTLET PORTING:**
  - 1/8 FNPT

### OPTIONS

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



*(part number shown above: 50-11361)*



*(part number shown above: 50-12101)*