

2310N SERIES

Diaphragm Sensed, Stable Set Pressure
Pressure Reducing Regulators



Premier 2310N Series pressure reducing regulators are part of a new family of Stable Set Pressure (SSP) regulators from Premier Industries. The 2310N is a compact, diaphragm sensed, single stage regulator with new technology that enables a significantly reduced decaying inlet characteristic (*supply pressure effect*) when compared to typical single stage regulator designs. The result: increased stability in delivery pressure, in the compact design of a single stage. The Premier 2310N is fitted with a neoprene diaphragm, allowing for low droop in dynamic operation. The regulator features a max inlet of 3000 PSIG (*206.8 bar*).

FEATURES

- Reduced decaying inlet characteristic (*supply pressure effect*) in a single stage design
- Compact & light-weight
- Economical pricing
- Flow (Cv) 0.025
- Neoprene diaphragm
- 3000 PSIG (*206.8 bar*) max inlet pressure
- Machined bar stock body, and bonnet eliminates porosity found in castings
- Adjusting knob with locking-nut

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

SPECIFICATIONS

- **MAX INLET PRESSURE:**
 - 3000 PSIG (206.8 bar)
- **OUTLET PRESSURE RANGES:**
 - 0 - 20 PSIG (0-1.38 bar)
 - 0 - 60 PSIG (0-4.14 bar)
- **FLOW (Cv):** 0.025

MATERIALS OF CONSTRUCTION

- **BODY OPTIONS:**
 - 6061-T6 Aluminum, Clear Anodize
 - *Consult factory for other options*
- **BONNET OPTIONS:**
 - 6061-T6 Aluminum, Clear Anodize
 - *Consult factory for other options*
- **DIAPHRAGM:** Neoprene
- **VALVE SEAT:** PFA
- **SEALS:**
 - Neoprene

PORTING *(2, 3, and 4 port options)*

- **STANDARD INLET:**
 - 1/8-27 FNPT
- **OUTLET PORTING:**
 - 1/8-27 FNPT

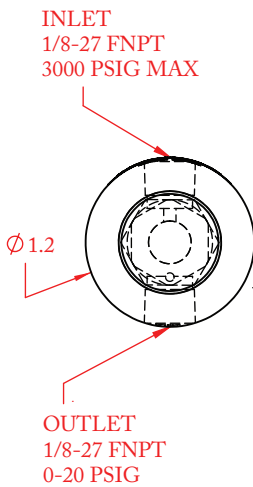
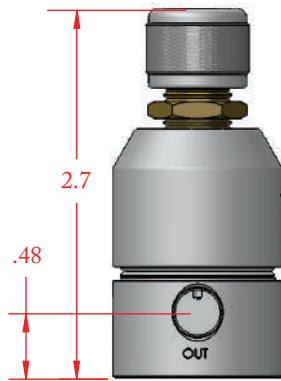
OPTIONS

- Anodized colors for aluminum bodies and bonnets
- Private label

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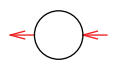
PART NUMBER 50-12143 | *standard design*



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PART #	-	1	2	3	-	4	5
50-12143	-				-		

1	BODY MATERIALS (MAX. INLET PRESSURE)
1	6061-T6 Aluminum, Clear Anodize
2	PORTING CONFIGURATION
1	 'S' porting
3	OUTLET PRESSURE
1	0-20 psig / 0-1.38 bar
4	0-60 psig / 0-4.14 bar

4	SEAL/DIAPHRAGM MATERIAL
1	Neoprene
5	GAUGES
1	None
<i>Gauges not available on 2 port configuration</i>	

Contact factory for material certifications. Fees may apply.