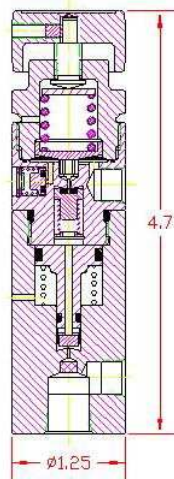


SERIES 4300-S MINI TWO STAGE PRESSURE REDUCING REGULATOR



Description:

This miniature, two stage (1st stage piston, 2nd stage *Elgiloy*® SS diaphragm) regulator, is intended for high purity, low-flow gas services, regulating a broad range of media compatible with materials of construction. The numerous configurations available make it ideal for use in labs, industrial monitors, and with disposable/transportable gas cylinders.

◆ The **Model 4300-S Regulator** shown is nickel plated brass with a 1/4 FNPT inlet port, 1/8 FNPT outlet port and inlet and outlet gauges.



Premier Model 4300-S Pressure Reducing Regulators offer:

Features:

- Special *Elgiloy*® SS diaphragm reduces gas contamination and diffusion
- Precise, stable delivery pressure even as the supply pressure decreases
- Low internal volume promotes quick gas flow stabilization and purging
- Models are available for both corrosive and non-corrosive service
- Major components available in numerous materials
- Machined bar stock body, interstage, bonnet and piston eliminates porosity found in castings
- Numerous porting configurations are available
- Integral inlet filter
- Compact size (1.25 in. diameter x 4.7 in. high)
- Extremely light weight
- Very competitive pricing

Specifications:

- ◆ **Maximum Inlet Pressure:** 3000 PSI
- ◆ **Outlet:**
 - 0-10 PSIG
 - 0-50 PSIG
 - 0-100 PSIG
- ◆ **Leak Rate:** Bubble Tight
- ◆ **Weight:**
 - Approx. 9 oz. for Aluminum
 - Approx. 1.5 lbs for Brass and SS

Porting:

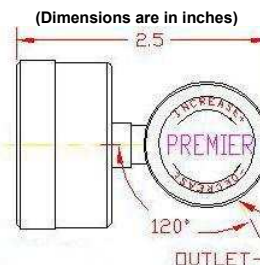
- ◆ **Inlet Connection:**
 - 1/8" FNPT
 - 1/4" FNPT
 - C-10 (5/8"-18 UNF)
 - All Available CGA Connections
- ◆ **Outlet Connection:**
 - 1/8" FNPT
 - 1/8" MNPT
 - 1/8" Hose Barb
 - 3/16" Hose Barb
 - 1/4" Hose Barb

Optional Items:

- Inlet and/or Outlet Gauges
- Anodized Colors for Aluminum Bodies and Bonnets
- Private Label

Materials of Construction:

- ◆ **Body:**
 - SAE 360 Brass
 - Nickel Plated SAE 360 Brass
 - 303 Stainless Steel
 - 6061-T6 Aluminum / Clear Anodized
- ◆ **Interstage:** Same as Body
- ◆ **Bonnet:** Same as Body
- ◆ **Piston:**
 - SAE 360 Brass
 - 303 Stainless Steel
 - 6061-T6 Aluminum
- ◆ **Diaphragm:**
 - *Elgiloy*® High Strength Cobalt Chromium-Nickel SS
- ◆ **Piston Seals:**
 - *Viton*®
 - EPDM
 - Neoprene
 - Buna N
- ◆ **Valve Seat:** *Teflon*®
- ◆ **Inlet Filter:** 40 Micron Sintered 316 SS



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Teflon® & *Viton*® are registered trademarks of E.I. duPont de Nemours and Company

The **Model 4300-S Pressure Reducing Regulator's** design is remarkably flexible. Contact [*Premier Industries*](#) for a custom **Model 4300-S Regulator** to meet your exact needs.