

4300 SERIES TWO STAGE

PRESSURE REDUCING REGULATOR

SPECIFICATIONS

MAXIMUM INLET PRESSURE

3000 PSIG

Outlet Pressure Ranges:

- 0-10 PSIG
- 0-50 PSIG
- 0-100 PSIG
- 0-160 PSIG

Weight:

- Approx. 9 oz. for Aluminum
- Approx. 1.5 lbs for Brass and Stainless Steel

Flow Capacity (Cv):

- 0.04

Leak Rate:

- Bubble Tight

PORTING

Integrated Inlet Porting:

- 1/4" FNPT (Standard)
- 1/8" FNPT

Integrated Outlet

Porting:

- C-10 (5/8"-18 UNF)
- 1/8" FNPT (Standard)

Outlet Inlet Adapter

Connections:

- C-10 (5/8"-18 UNF)
- All available CGA Connections

Optional Outlet Adapter

Connections:

- 1/8" MNPT
- 1/8" Hose Barb
- 3/16" Hose Barb
- 1/4" Hose Barb

MATERIAL OF CONSTRUCTION

Body Options:

- SAE 360 Brass / Nickel Plated (Standard)
- 303 Stainless Steel
- 6061-T6 Aluminum / Nickel Plated
- Monel®

Bonnet Options:

- SAE 360 Brass / Nickel Plated (Standard)
- 303 Stainless Steel
- 6061-T6 Aluminum / Nickel Plated
- Monel®

Piston Options:

- SAE 360 Brass (Standard)
- 303 Stainless Steel
- Monel®

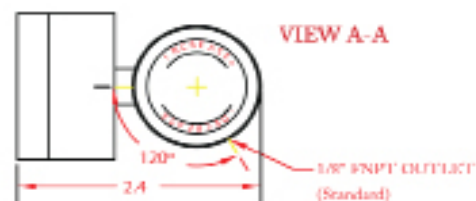
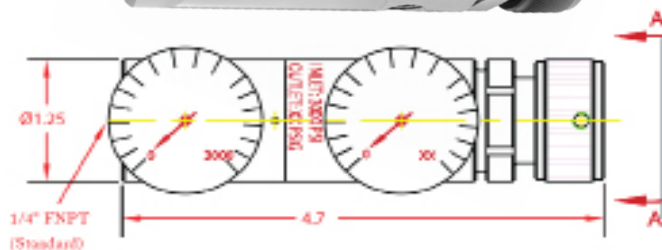
Diaphragm: Elgiloy®

Valve Seat: Teflon®

Piston Seals: Viton® or other elastomers available upon request

Inlet Filter: 40 Micron Sintered 316 Stainless Steel

Teflon® is a registered trademark of E.I. duPont de Nemours and Company



This miniature, two stage (1st stage piston sensed & 2nd stage Elgiloy® diaphragm sensed) 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.

FEATURES AND BENEFITS

Elgiloy® 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 for both corrosive and non-corrosive service.

Machined bar stock body, interstage body, bonnet and piston eliminates porosity found in castings

Numerous porting configurations available

Integral inlet filter

Compact size (1.25 in. diameter x 4.7 in. high)