

2500 SERIES

SINGLE-STAGE PRESSURE REDUCING REGULATOR

SPECIFICATIONS

MAXIMUM INLET PRESSURE
3500 PSIG 241.3 bar

CONTROL PRESSURE RANGES

- 0-10 PSIG 0 - 0.69 bar
- 0-25 PSIG 0 - 1.72 bar
- 0-50 PSIG 0 - 3.45 bar
- 0-100 PSIG 0 - 6.89 bar
- 0-250 PSIG 0 - 17.24 bar
- 0-500 PSIG 0 - 34.47 bar

Flow Capacity (CV):

- 0.08 or 0.20

PORTING

Standard Inlet:
1/4" FNPT

Standard Outlet:
1/4-18" NPT
on 1.75" and 2.0" diameter bodies

MATERIAL OF CONSTRUCTION

Body Options:

- 316 Stainless Steel
- SAE 360 Brass/Nickel Plated

Diaphragm Options:

- Neoprene
- 316 Stainless Steel

Bonnet Options:

- SAE 360 Brass/Nickel Plated
- 6061-T6 Aluminum/Gold Anodize

Diaphragm Seal:

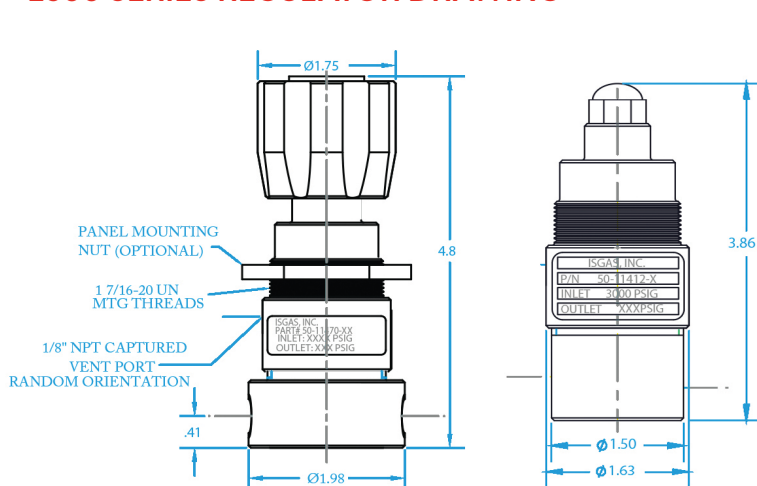
Teflon®

Valve Seat:

Teflon®

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2500 SERIES REGULATOR DRAWING



The 2500 Series pressure reducing regulators are versatile, single stage, diaphragm sensed, general purpose cylinder and line regulators.

The 2500 Series regulators are available with: multiple materials/porting configurations, and many optional items (pressure relief valves, shut off valves etc). Models are available for both corrosive and non-corrosive service, fitted with your choice of stainless steel or neoprene diaphragm. The 2500 Series regulators feature a 15 micron valve cartridge filter, 3500 PSIG max inlet pressure, and Cv 0.08 or 0.20.

FEATURES AND BENEFITS

- Compact size with optional body diameters of 1.5", 1.75", and 2.0"
- 3500 PSIG (241.3 bar) max inlet pressure CV 0.08 or 0.20
- Optional stainless steel diaphragm minimizes inboard diffusion of air into regulator (neoprene diaphragm also available)
- Optional integral needle style shut off valve
- Optional low profile hand knob
- Reduced particle contamination with 15 micron valve cartridge filter
- Machined bar stock body, bonnet, and piston eliminates porosity found in castings

