

480 Series Regulator

*316L Stainless Steel
Barstock Body*

*316L Stainless Steel
Diaphragm*

*Back Pressure
Regulator*



480-3001 shown

The 480 Series regulators are intended for upstream or inlet pressure control in ultra-high purity and corrosive applications. Typically, the 480 Series regulators are used to provide system pressure control, acting as a highly accurate relief valve.

Typical Applications

- *Fluid sampling systems*
- *Storage vessels*
- *Gas chromatography*
- *Pump pressure control*
- *Research and development laboratories*
- *Compressors*

Advanced Features

- *Low crack to reseat deviation*
Accurate pressure control
- *316L stainless steel barstock body*
Increased corrosion resistance
- *Front and rear panel-mountable*
Versatile system configuration

400 Advantage

Materials

Specifications

- *Metal-to-metal diaphragm seal*
No possibility of gas contamination
- *316L stainless steel diaphragm*
No inboard diffusion
- *Orientable captured vent capable*
Safety in any installation
- *Low wetted surface area*
Minimal purge requirements
- *Field-adjustable pressure limit*
Safeguard upstream equipment

Body
316L stainless steel barstock

Bonnet
Chrome-plated brass barstock

Seat
Viton®

Diaphragm
316L stainless steel

Internal Seals
PTFE

Maximum Inlet Pressure
250 PSIG (17 BAR)

Temperature Range
-40°F to 140°F (-40°C to 60°C)

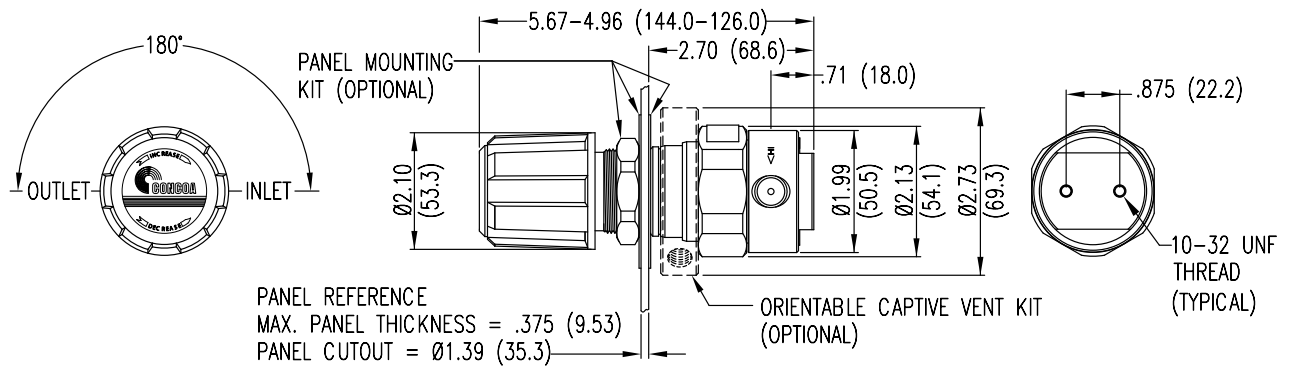
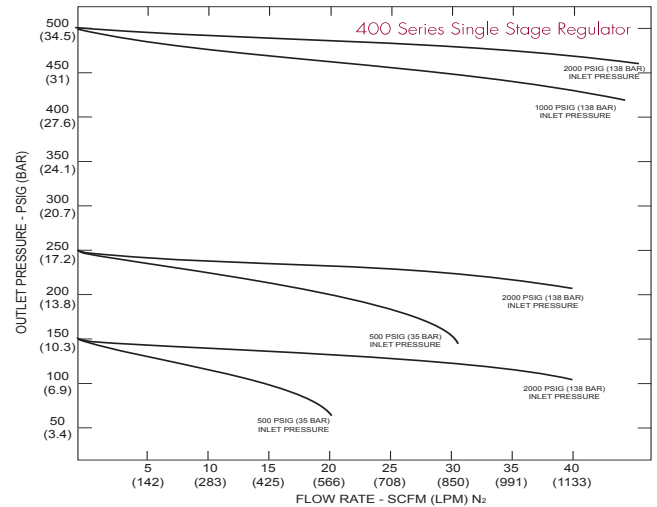
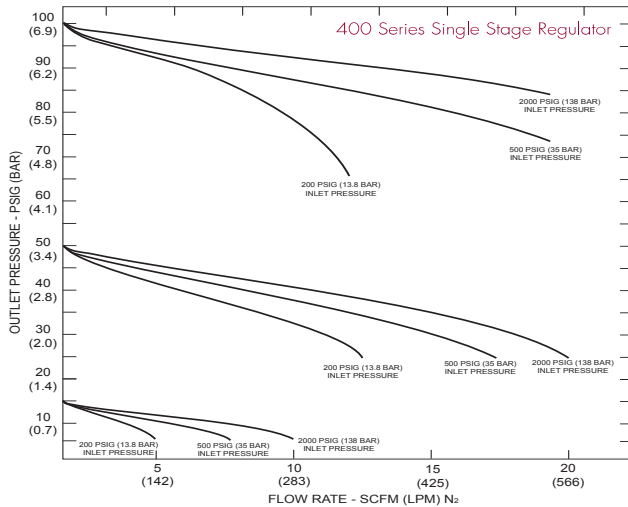
Ports
¼" FPT

Helium Leak Integrity
1 x 10⁻⁹ scc/sec

Cv
0.1

Weight (480-X021-TF4)
2.3 lbs. (1.04 kg)

Flow Performance Curves



Ordering Information *(For information about how to use this table please see page 4.)*

480	A	B	C	D	-Inlet	Options
Series 480	Relief Pressure 1: 0-15 PSIG 2: 0-50 PSIG 3: 0-100 PSIG 4: 0-250 PSIG	Inlet Gauge 0: None	Outlet Assemblies 0: 1/4" FPT Port 2: 1/4" Tube Fitting 6: 1/8" Tube Fitting 7: 3/8" Tube Fitting M: 6mm Tube Fitting	Assembly 1: Standard Assembly	Inlet Connections 000: 1/4" FPT TF2: 1/8" Tube TF4: 1/4" Tube TF6: 3/8" Tube M06: 6mm Tube	Installed Options None
Related Options		<ul style="list-style-type: none"> • Panel Mount Kit (550-0002) • Captured Vent Kit (550-0001) • Helium Leak Certification (476-0002) 				

400 Series Back Pressure Regulators