

# 493 Series Regulator

*Single Stage*

*Piston-Sensed*

*Ultra-High  
Pressure*

*316L Stainless Steel  
Barstock Body*



493-5952 shown

The 493 Series regulators are intended for primary pressure control of non-corrosive gases at a maximum inlet pressure of 6000 PSIG.

## Typical Applications

- Airplane strut charging
- Research and development laboratories
- Chemical manufacturing
- Aerospace hydraulic systems
- Pharmaceutical manufacturing
- Gauge calibration

## Advanced Features

- 316L stainless steel barstock body  
Smooth surface finish
- Front and rear panel mountable  
Versatile system configuration
- Pressure ranges 0-750 to 0-6000 PSIG  
Broad range of applications
- Six-port design  
Flexible installation alternatives

## Features

- *Large piston sensor*  
Safely control pressures to 6000 PSIG
- *Capsule® seat*  
Increased serviceability and life
- *Low wetted surface area*  
Minimal purge requirements
- *Field-adjustable pressure limit*  
Safeguard downstream equipment

## Materials

*Body*  
316L stainless steel barstock

*Bonnet*  
304 stainless steel

*Seat*  
PCTFE (3000 and 4500 PSIG inlet)  
Arlon® (PEEK) (6000 PSIG inlet)

*Piston*  
316L stainless steel

*Filter*  
10 micron multi-layer wire mesh

*Internal Seals*  
Viton®

## Specifications

*Maximum Inlet Pressure*  
6000 PSIG (420 BAR)

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

*Gauges*  
2½" diameter stainless steel

*Ports*  
¼" FPT

*Cv*  
0.1

*Weight (493-5951-677)*  
4.64 lbs. (2.10 kg)

