

# 432 Series Regulator



## Dual Stage 316L Stainless Steel Barstock Body Six-Port Configuration 316L Stainless Steel Diaphragm

The 432 Series regulators are intended for primary pressure control of ultrahigh purity (grade 5.0 or better) and corrosive gases for applications where requiring constant pressure control and delivery regardless of supply pressure variations. Typical applications include Gas and Liquid Chromatography, Control of cryogenic gases and corrosive gases.



### Typical Applications

- EPA Protocol gases
- Ultra high purity carrier gases
- Zero, span and calibration
- High purity chamber pressurization

### Features

- 316L stainless steel barstock body
- 10 micron filtration in both stages for fail-safe seat performance
- Capsule® seat for increased serviceability and life
- Field adjustable pressure limit
- Metal-to-metal diaphragm seal
- Convoluted SS diaphragm for smooth pressure changes

### Materials of Construction

Body	316L stainless steel barstock
Bonnet	Chrome-plated brass barstock
Diaphragm	316L stainless steel
Seat	PTFE Teflon®
Seals	PTFE Teflon®
Filter	10 micron stainless steel mesh

### Specifications

Maximum Inlet Pressure	Outlet Pressure	Outlet Gauge
3000 psig (210 bar)	0-15 psig	30"-0-30 psig
4500 psig (310 bar) optional	0-50 psig	30"-0-100 psig
	0-100 psig	30"-0-200 psig
	0-150 psig	30"-0-200 psig
	0-250 psig	0-400 psig

Ports: 1/4" FNPT  
 Operating Temperature Range: -40 to 60°C  
 Helium Leak Rate: 1 X 10<sup>-9</sup> scc/sec  
 C<sub>v</sub>: 0.1  
 Weight: 2.31 kg (5.09 lbs)

CRN Registry: CRN OH 5216.5C

