

422 Series Regulator



Single Stage

316L Stainless Steel Barstock Body

Six-Port Configuration

316L Stainless Steel Diaphragm

The 422 Series regulators are intended for primary pressure control of ultrahigh purity (grade 5.0 or better) and corrosive gases for applications where minor fluctuations in outlet pressure due to diminishing inlet supply can be tolerated. Typical applications include Gas and Liquid Chromatography, Control of cryogenic gases.



Typical Applications

- Ultra high purity carrier gases
- Gas system charging
- Zero, span and calibration
- Liquefied hydrocarbon gas control

Features

- 316L stainless steel barstock body
- Capsule® seat for increased serviceability and life
- Field adjustable pressure limit
- Metal-to-metal diaphragm seal
- Convuluted 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
	0-500 psig	0-1000 psig

Ports: 1/4" FNPT
 Operating Temperature Range: -40 to 60°C
 Helium Leak Rate: 1 X 10⁻⁹ scc/sec
 C_v: 0.1
 Weight: 1.73 kg (3.8 lbs)

CRN Registry: CRN OH 5216.5C

