

# 405 Series Regulator



## Single Stage Brass Barstock Body Four-Port Configuration 316L Stainless Steel Diaphragm



The 405 Series regulators are intended for secondary pressure control of noncorrosive, high purity or liquefied gases or for point-of-use pressure control in high purity gas distribution systems. Typical applications include Bulk gas distribution systems, Gas and Liquid Chromatography, Control of cryogenic gases.

### Typical Applications

- High purity carrier gases
- Bulk gas distribution systems
- Zero, span and calibration gases
- Liquefied hydrocarbon gas control
- High purity chamber pressurization

### Materials of Construction

Body	Brass barstock
Bonnet	Brass barstock
Diaphragm.	316L stainless steel
Seat	PTFE Teflon®
Seals	PTFE Teflon®
Filter	10 micron sintered bronze

### Features

- Brass barstock body
- Capsule® seat for increased serviceability and life
- Field adjustable pressure limit
- Metal-to-metal diaphragm seal
- Front & rear panel mountable

### Specifications

Maximum Inlet Pressure	Outlet Pressure	Outlet Gauge
3000 psig (210 bar)	0-15 psig	30"-0-30 psig
	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: ¼" 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 (Max. outlet 50 psig or below)  
 0.2 (Max. outlet above 50 psig)  
 Weight: 1.23 kg (2.71 lbs)

CRN Registry: CRN OH 5216.5C

