

412 Series Regulator



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



The 412 Series regulators are intended for primary pressure control of noncorrosive, high purity or liquefied gases for applications where requiring constant pressure control and delivery regardless of supply pressure variations. Typical applications include Gas and Liquid Chromatography, EPA protocol and High purity carrier gases.

Typical Applications

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

Materials of Construction

Body	Brass barstock
Bonnet	Brass barstock
Diaphragm	316L stainless steel
Seat	PTFE Teflon®
	PTFE with 4500 psig inlet option
Seals	PTFE Teflon®
Filter	10 micron sintered bronze

Features

- Brass 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
- Delivery pressure range easily changed for maximum flexibility

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 10⁻⁹ scc/sec
 C_v: 0.1
 Weight: 2.4 kg (5.3 lbs)

CRN Registry: CRN OH 5216.5C

