

402 Series Regulator



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



The 402 Series regulators are intended for primary pressure control of noncorrosive, high purity or liquefied gases, or for applications where minor fluctuations in outlet pressure due to diminishing inlet supply can be tolerated.

Typical Applications

- Gas and liquid chromatography
- High purity carrier gases
- Zero, span and calibration gases
- High purity chamber pressurization
- Liquefied hydrocarbon gas control
- Control of cryogenic gases

Materials of Construction

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

Features

- Metal-to-metal diaphragm seal
- Capsule® seat
- 316L stainless steel diaphragm
- Orientable captured vent capability
- Low wetted surface area
- Field-adjustable pressure limit
- Pipe away relief valve
- Delivery pressure range easily changed

Specifications

Maximum Inlet Pressure	Outlet Pressure	Outlet Gauge
3000 psig (210 bar)	0-15 psig*	30"-0-30 psig
4500 psig (300 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

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

Gauges: 2" diameter brass

Ports: ¼" FPT

Helium Leak Integrity: 1 x 10⁻⁹ scc/sec

C_v: 0.1

Weight: 1.81 kg (3.99lbs)

CRN Registry: CRN OH 5216.5C

*Not available with 4500 psig option

