

308 Series Regulator



Single Stage Chrome-Plated Brass Barstock Body 316L Stainless Steel Diaphragm Electrically Heated

The 308 Series regulators are specifically designed to prevent freeze-up problems associated with high flow rates of carbon dioxide and nitrous oxide. As carbon dioxide passes through the regulator seat, dry ice can form if the flow is too high, causing the regulator to freeze-up.

Typical Applications

- Atomic absorption oxidizer gas
- Anaerobic chambers
- pH control
- Inductively coupled plasma

Materials of Construction

Body	Chrome-plated brass barstock
Bonnet	Chrome-plated die cast zinc
Diaphragm	316L stainless steel
Seat	PTFE Teflon®
Seals	PTFE Teflon®
Filter	10 micron sintered bronze



Features

- Chrome-plated brass barstock body
- Capsule® seat for increased serviceability and life
- Three 50 watt heaters maintains gas flow up to 350 scfh
- Forged body for durability and lasting construction
- 316L stainless steel diaphragm unaffected by low temperatures

Specifications

Maximum Inlet Pressure	Outlet Pressure	Outlet Gauge
3000 psig (210 bar)	0-15 psig	0-30 psig
	0-30 psig	0-60 psig
	0-50 psig	0-100 psig
	0-100 psig	0-200 psig

Heaters: 3 @ 50 watts each (110 or 220 VAC)
 Ports: 1/4" FNPT
 Temperature Range (thermostat): -35 to 49°C
 Helium Leak Rate: 1 X 10⁻⁸ scc/sec
 C_v: 0.1
 Weight: 2.45 kg (5.4 lbs)

CRN Registry: CRN OH 5216.5C

