

308 Series

Electrically Heated Single Stage Scientific Regulator



- Pressure ranges of 0-15 to 0-175 PSI are available to cater for a broad range of applications
- Maintain gas flowgas up to 175 l/min
- NEMA 4 (IP66) rating
- Brass barstock body means a smoother surface finish
- Capsule seat design for greater serviceability and life
- 316L stainless steel diaphragm
- Leak test certificate

Specifications:

- Max. Inlet Pressure:** 3000 PSI (210 BAR)
- Gauges:** 2" diameter brass, (chrome plated)
- Temperature Range:** -40° C to 60° C
- Body Ports:** 1/4"NPT(F)
- Helium Leak Integrity:** 1 x 10⁻⁸ scc/sec
- Heaters:** 3 @ 50 watts each (240v AC)
- Temperature Range:** 35° - 50°C (thermostat)
- Cv:** 0.1
- Weight:** 2.4 kg

Materials:

- Body:** Brass bar stock
- Bonnet:** Chrome plated zinc die cast
- Seat:** PTFE
- Filter:** 10 micron sintered bronze
- Diaphragm:** 316L stainless steel
- Internal Seals:** PTFE

The 308 Series regulators are specifically designed to prevent freezing problems associated with high flows of carbon dioxide and nitrous oxide. As carbon dioxide or nitrous oxide passes through a regulator seat dry ice can form if the flow is too high causing the regulator to freeze up. Heating the regulator increases the flow capacity.

ORDERING INFORMATION

S308 - XXX - XXX - XXX - XX

Series	Outlet Pressure	Inlet Fitting	Outlet Fitting	Options
S308	15 (0-15 psi)	T30 (AS2473 Type 30)	4F (1/4" NPT Female)	
	30 (0-30 psi)	T50 (AS2473 Type 50)	2S (1/8" Tube)	
	50 (0-50 psi)	320 (CGA320)	4S (1/4" Tube)	
	100 (0-100 psi)	326 (CGA326)	8S (1/2" Tube)	
	175 (0-175 psi)	4F (1/4" NPT Female)	2B (1/8" Hose Barb)	
	Others refer inlet fitting chart		4B (1/4" Hose Barb)	
			FA (Fine adjust valve)	
			4M (1/4" NPT Male)	
			DK (1/4" Diaphragm valve)	
			Others refer outlet fitting chart	

Flow and Basic Dimensions

