

300 Stainless Steel Line Regulator



This stainless steel high purity, single-stage line regulator is recommended for applications where diffusion resistance is required. These regulators are recommended for chromatographs, mass spectrometers, research sampling systems and semi-conductor processing that is being serviced by a low pressure pipeline system. These regulators are able to withstand internal vacuums generated during purging operations. There is a 1/16" FNPT bonnet port to allow for the venting of hazardous gases. This regulator may be panel mounted by using a bonnet mounting nut or the threaded holes in the back of the regulator.

300 Features

- 316 Stainless Steel Bar Stock Body
- Convoluted Stainless Steel Diaphragm
- Stem Type Seat Mechanism
- Threaded Bonnet for Panel Mounting
- Body is Threaded for Rear Bracket Mounting
- Captured Vent in Bonnet (1/16" FNPT)
- Electro Polished
- Ultrasonically Cleaned

300 Typical Applications

- Regulation of Corrosive Gases
- Final Control of Corrosive, Non-Corrosive, or Toxic Gases
- High-Purity Gas Handling
- Gas Chromatography
- Diffusion Furnaces
- Research Sampling Systems
- Laser Gas Systems

- Process Analyzers
- CEM and EPA Protocol Standards

Materials of Construction

Body	316 Stainless Steel
Bonnet	Electroless Nickel Plated Brass
Seat	Teflon®
Seat Retainer	316 Stainless Steel
Diaphragm	Stainless Steel
Gauge	2 1/2" Stainless Steel
Filter	316 Stainless Steel
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel

300 Specifications

Maximum Inlet Pressure	400 PSIG
Temp. Operating Range	-40° F to 165° F
Ports (3)	1/4" FNPT
Design Leak Rate	1 x 10 ⁻⁹ ccs Helium
Flow Coefficient Cv	0.15
Weight	2 lbs.

How to Order: *Specify a number from each category*

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Model Number	Max. Outlet Pressure PSIG	Delivery Gauge		Outlet Fittings	CGA Inlet Fittings	Accessories	Options
		Range PSIG	Graduations PSIG				
300	25	30" Hg 0-30	1	00 1/4" FNPT	00 None	00 None	00 None
301	50	0-100	2	81 1/8" Stainless Steel Swagelok	12 1/8" Stainless Steel Swagelok	01 Panel Mount Kit	01 Captured Vent Fitting 1/8" Stainless Steel Swagelok
302	100	0-200	5	83 1/4" Stainless Steel Swagelok		02 Helium Leak Certification 03 Panel Mount Kit and Certification	