

600 High Purity Line Regulator

These brass high purity, single-stage line regulators are recommended for applications where diffusion resistance is required. These regulators are recommended for chromatographs, mass spectrometers, research sampling systems and semiconductor 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.



600 Features

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

600 Typical Applications

- Final Control of Non-Corrosive Gases in Piping Systems
- Gas Chromatography
- Process Analyzers
- Crystal Growing

- High-Purity Gas Handling
- Research Sampling Systems
- Laser Gas Systems
- Diffusion Furnaces

Materials of Construction

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

600 Specifications

Maximum Inlet Pressure 400 PSIG
Temp. Operating Range	. . . -40° F to 165°F
Ports (4) 1/4" FNPT
Design Leak Rate 1 x 10 ⁻⁹ ccs Helium
Flow Coefficient Cv 0.15
Weight 2.39 lbs.

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

Model Number	Max. Outlet Pressure PSIG	Delivery Gauge Range PSIG	Graduations PSIG	Outlet Fittings	CGA Inlet Fittings	Accessories	Options
600	25	30" Hg 0-30	1	00 1/4" FNPT	00 None	00 None	00 None
601	50	0-60	2	80 1/8" Brass Swagelok	11 1/8" Brass Swagelok	01 Panel Mount Kit	01 Captured Vent Fitting
602	100	0-200	5	81 1/8" Stainless Steel Swagelok	12 1/8" Stainless Steel Swagelok	02 Helium Leak Certification	1/8" Stainless Steel Swagelok
				83 1/4" Stainless Steel Swagelok		03 Panel Mount Kit and Certification	