

510 Stainless Steel, Corrosion Resistant, High Purity, Lecture Bottle Regulator



These lightweight, compact regulators are designed for use with corrosive and toxic gases in lecture bottles and other small cylinders.

510 Features

- 1" Stainless Steel Diaphragm
- 316 Stainless Steel Filter
- Stem Type Seat Mechanism
- Stainless Steel Body, Bonnet and Gauges

510 Typical Applications

- Regulation of Certain Corrosive and Toxic Gases
- Lecture Bottles
- ExCaliber™ Pressure Regulator

Materials of Construction

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

510 Specifications

Maximum Inlet Pressure	3000 PSIG
Temp. Operating Range	-40° F to 165° F
Ports (4)	1/8" FNPT
Design Leak Rate	1 x 10 ⁻⁸ ccs Helium
Flow Coefficient	Cv = .56
Outlet Pressure Rise	0.5/100 PSIG
Weight	1.8 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				
510	15	0-30	1	00 1/8" FNPT	00 None	00 None	00 None
511	60	0-100	5	62 Stainless Steel Needle Valve with 1/4" MNPT Outlet	52 CGA SS 180		