

# 410 High Purity, Lecture Bottle Regulator

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



## 410 Features

- 1" Nylon Reinforced Diaphragm
- Sintered Metal Filter
- Stem Type Seat Mechanism
- Self Reseating Relief Valve
- Rugged Brass Construction
- Nickel Plated Body, Bonnet and Gauges

## 410 Typical Applications

- Regulation of Non-Corrosive Gases
- Lecture Bottles
- ExCaliber™ Pressure Regulator

## Materials of Construction

Body	Electroless Nickel Plated Brass Bar Stock
Bonnet	Electroless Nickel Plated Brass Bar Stock
Diaphragm	Neoprene
Nozzle	Brass Bar Stock
Seat	Teflon®
Seat Retainer	Brass
Gauge	1 1/2" Chrome Plated
Filter	Bronze, 40 Micron
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel
Outlet Valve	Chrome Plated Brass

## 410 Specifications

Maximum Inlet Pressure	3000 PSIG
Temp. Operating Range	-40° F to 165° F
Ports (4)	1/8" FNPT
Design Leak Rate	Bubble Tight 1 x 10 <sup>-5</sup> ccs Helium
Flow Coefficient	Cv = .56
Inlet Decay Rate	0.5/100 PSIG
Weight	1.7 lbs

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

Model Number	Max. Outlet Pressure PSIG	Delivery Gauge		Outlet Fittings	CGA Inlet Fittings	Accessories	Options
		Range PSIG	Graduations PSIG				
410	15	0-30	1	00 1/8" FNPT	00 None	00 None	00 None
411	60	0-100	5	61 Chrome Needle Valve with 1/4" MNPT Outlet	42 CGA 180		