

210 Analytical Single-Stage Regulator



These high purity single-stage regulators are designed to control high purity, non-corrosive gases for applications where precise control of delivery pressure is not necessary. Recommended applications are in instrument analysis, biological laboratories and chemical process plants where brass construction is acceptable. The materials of construction will not contaminate the gas stream, and are highly resistant to inboard diffusion of atmospheric contamination. These regulators are able to withstand vacuums generated during purging operations.

210 Features

- Large 1-3/4" Stainless Steel Diaphragm
- Dual Filters
- Stem Type Seat Mechanism
- Self Reseating Relief Valve
- Rugged Brass Construction
- Chrome Plated Body, Bonnet, and Gauges

210 Typical Applications

- Non-Corrosive Gases
- Gas Chromatography
- Sampling Systems
- FoodPro™ Gases
- Process Analyzers
- Purging Systems
- Atomic Absorption Analysis

Materials of Construction

Body	Electroless Nickel Plated Brass Bar Stock
Bonnet	Electroless Nickel Plated Brass Forging
Seat	Teflon®
Seat Retainer	Brass
Diaphragm	Stainless Steel
Gauge	2 1/2" Chrome Plated
Filters (2)	316 Stainless Steel and Bronze
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel
Outlet Valve	Chrome Plated Brass

210 Specifications

Maximum Inlet Pressure	3000 PSIG
Temp. Operating Range	-40° F to 165°F
Ports (4)	1/4" FNPT
Design Leak Rate	Bubble Tight 1 x 10 ⁻⁵ ccs Helium
Flow Coefficient Cv	0.178
Outlet Pressure Rise	0.35/100 PSIG
Weight	3.32 lbs.

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

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Model Number	Delivery Gauge			Outlet Fittings	CGA Inlet Fittings	Accessories	Options
	Max. Outlet Pressure PSIG	Range PSIG	Graduations PSIG				
210	15	30" Hg 0-30	1	00 1/4" FNPT	00 None	00 None	00 None
211	50	0-60	2	20 Chrome Needle Valve with 1/4" MNPT Outlet	02 CGA 320		
212	100	0-200	5	40 Chrome Needle Valve with 1/4" FNPT Outlet	03 CGA 326		
213	150	0-200	5	41 Chrome Needle Valve with 1/8" Brass Swagelok	05 CGA 346		
				42 Chrome Needle Valve with 1/8" Stainless Steel Swagelok	06 CGA 350		
					07 CGA 510		
					08 CGA 540		
					09 CGA 580		
					10 CGA 590		
					13 CGA 296		