

# 120 General Purpose Two-Stage Regulator



The general purpose two-stage regulators are recommended for control of inert and non-corrosive pure gases in laboratories, general plant and maintenance shops where constant delivery pressures are required. These regulators are not recommended for applications where inboard diffusion of air or outgassing of elastomeric components would adversely affect the work being done. A preset safety relief valve vents to atmosphere, which makes this regulator suitable for only nonhazardous gases.

## 120 Features

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

## 120 Typical Applications

- Non-Critical Specialty Gases
- Non-Corrosive Gases
- Blanketing
- Purging
- Pressure Testing
- Chamber Pressurization

## Materials of Construction

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

## 120 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 <sup>-5</sup> ccs Helium
Flow Coefficient Cv	0.204
Inlet Decay Rate	0.042/100 PSIG
Weight	5 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				
120	15	0-30	1	00 1/4" FNPT	00 None	00 None	00 None
121	50	0-60	2	20 Chrome Needle Valve with 1/4" MNPT Outlet	02 CGA 320		
122	100	0-200	5	40 Chrome Needle Valve with 1/4" FNPT Outlet	03 CGA 326		
123	250	0-400	10	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		
				82 Chrome "B" Fitting (9/16" - 18RH)	08 CGA 540		
					09 CGA 580		
					10 CGA 590		