

110 SERIES



Distributed By:
Med-Tech Gases, Inc.
 1-800-FINE-GAS (346-3427)
 www.medtechgases.com

GENERAL PURPOSE SINGLE STAGE CYLINDER REGULATORS



Sure-Seat™
 technology for maximum life and gas purity

The general purpose single stage regulators are recommended for control of inert and non-corrosive gas applications. They are well suited for closely monitored analytical work and are ideal for use with liquefied hydrocarbon gases. 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.

DESIGN FEATURES

- Filtered seat for added gas stream purity, and extended service life
- Large 1 - 3/4" diaphragm for precise control of pressure
- Large 2 - 1/2" easy to read single scale gauges
- Built in capturable preset safety relief valve
- Rugged brass construction with bar stock body
- Plated body, bonnet, and gauges for superior protection

SPECIFICATIONS

Maximum Inlet Pressure	3000 PSIG
Outlet Pressure Ranges	0-15, 0-50, 0-100, 0-250 PSIG
Temp. Operating Range	-40°F to +165°F
Ports (4)	1/4" FNPT
Outlet	1/4" MNPT
Outlet Valve	1/4" needle valve
Design Leak Rate	Bubble tight (1 x 10 ⁻⁵ ccs Helium)
Flow Coefficient Cv	0.20
Inlet Decay Rate58/100 PSIG
Weight	3.32 lbs.

MATERIALS OF CONSTRUCTION

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

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OPTION 1:	OPTION 2:	OPTION 3:
MODEL SERIES & OUTLET PRESSURE	OUTLET FITTINGS	CGA INLET FITTINGS
110 15 PSIG	00 1/4" FNPT	00 1/4" FNPT
111 50 PSIG	20 Chrome Needle Valve with male 1/4" NPT outlet	01 CGA 300*
112 100 PSIG	40 Chrome Needle Valve with female 1/4" NPT outlet	02 CGA 320
113 250 PSIG	41 Chrome Needle Valve with 1/8" brass tube fitting	03 CGA 326
	42 Chrome Needle Valve with 1/8" stainless steel tube fitting	05 CGA 346
	82 Chrome "B" fitting (9/16" - 18RH)	06 CGA 350
	84 Nickel Fuel Hose Connection (9/16" - 18LH)	07 CGA 510
		08 CGA 540
		09 CGA 580
		10 CGA 590

* Only available and used with #110 main body

* Only available and used with #110 body

To order additional inlet/outlet and accessories options which are available and sold separately; please see page 38-39 of this catalog.

ORDERING INFORMATION FOR 110 SERIES REGULATORS

Product Number	Max. Inlet Pressure PSIG	Max. Outlet Pressure PSIG	Inlet Gauge		Delivery Gauge	
			Range PSIG	Graduations PSIG	Range PSIG	Graduations PSIG
110	3000	15	0-3000	100	0-30	1
111	3000	50	0-3000	100	0-60	2
112	3000	100	0-3000	100	0-200	5
113	3000	250	0-3000	100	0-400	10



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