

110 Silverline SERIES

GENERAL PURPOSE SINGLE STAGE CYLINDER REGULATORS

DESIGN FEATURES

- Filtered seat for added gas stream purity and extended service life
- Large 1 - 7/8" 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
- Body is tapped for rear panel mounting



P/N 110-20-09 SHOWN

Sure-Seat™
technology for maximum
life and gas purity

General purpose single stage regulators are recommended for control of inert and non-corrosive gas applications. They are well suited for closely monitored analytical operations and are ideal for use with liquified 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 non-hazardous gases.

SPECIFICATIONS

Maximum Inlet Pressure	3500 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
Design Leak Rate	Bubble tight (1 x 10-5 ccs Helium)
Flow Coefficient Cv	0.21
Flow Curve	Flow Chart #2
Inlet Decay Rate	0.58/100 PSIG
Weight	3.32 lbs.

MATERIALS OF CONSTRUCTION

Body	Nickel Plated Brass, Bar Stock
Bonnet	Nickel Plated
Seat	PFA
Seat Retainer	Brass
Diaphragm	Neoprene
Gauge	2-1/2" Chrome Plated
Filter	316 Stainless Steel
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel
Outlet Valve	Nickel Plated Brass

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Option 1: Model Series & Outlet Pressure		Option 2: Outlet Fittings		Option 3: CGA Inlet Fittings	
110	15 PSIG	00	1/4" FNPT	00	1/4" FNPT
111	50 PSIG	20	Needle Valve with male 1/4" NPT outlet	01	CGA 300*
112	100 PSIG	40	Needle Valve with female 1/4" NPT outlet	02	CGA 320
113	250 PSIG	41	Needle Valve with 1/8" brass tube fitting	03	CGA 326
		42	Needle Valve with 1/8" stainless steel tube fitting	05	CGA 346
		82	Nickel "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 body

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Ordering Information For 110 Series Regulators

Product Number	Max. Inlet Pressure PSIG	Max. Outlet Pressure PSIG	Inlet Gauge		Delivery Gauge		Relief Valve Setting PSIG
			Range PSIG	Graduations PSIG	Range PSIG	Graduations PSIG	
100	3500	15	0-4000	100	0-30	1	85
111	3500	50	0-4000	100	0-60	1	150
112	3500	100	0-4000	100	0-200	5	150
113	3500	250	0-4000	100	0-400	10	350