

210 Silverline SERIES

HIGH PURITY ANALYTICAL BRASS SINGLE STAGE CYLINDER REGULATORS

DESIGN FEATURES

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



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, automotive emissions testing, 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.

P/N 210-20-09 SHOWN

Sure-Seat™
technology for maximum
life and gas purity

SPECIFICATIONS

Maximum Inlet Pressure.....	3500 PSIG
Outlet Pressure Ranges.....	0-15, 0-50, 0-100, 0-150 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.....	0.09
Flow Curve.....	Flow Chart #5
Inlet Decay Rate.....	0.35/100 PSIG
Weight.....	3.1 lbs.

MATERIALS OF CONSTRUCTION

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

210 - 20 - 09

Option 1: Model Series & Outlet Pressure	
210	15 PSIG
211	50 PSIG
212	100 PSIG
213	150 PSIG
214	15 PSIG

*Acetylene model with red
warning delivery gauge*

Option 2: Outlet Fittings	
00	1/4" FNPT
01	1/4" FNPT Chrome Diaphragm Valve
20	Needle Valve with male 1/4" NPT outlet
40	Needle Valve with female 1/4" NPT outlet
41	Needle Valve with 1/8" brass tube fitting
42	Needle Valve with 1/8" stainless steel tube fitting
82	Nickel "B" fitting (9/16"-18RH)
*84	Nickel Fuel Hose Connection (9/16"-18LH)

**Only available and used with #214 body*

Option 3: CGA Inlet Fittings	
00	1/4" FNPT
01	CGA 300*
02	CGA 320
03	CGA 326
05	CGA 346
06	CGA 350
07	CGA 510*
08	CGA 540
09	CGA 580
10	CGA 590

**Only available and used with #214 body*

Ordering Information For 210 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	
210	3500	15	0-4000	100	30" HG 0-30	1	85
211	3500	50	0-4000	100	0-60	1	150
212	3500	100	0-4000	100	0-200	5	150
213	3500	150	0-4000	100	0-200	5	350
214	400	15	0-400	10	0-30*	1	--

** Red warning delivery gauge*