

250 Silverline SERIES

HIGH PURITY ANALYTICAL BRASS LIQUID CYLINDER REGULATORS



P/N 254-20-09 Shown

Sure-Seat™
technology for maximum life and gas purity

These high purity single stage regulators are designed for use on liquid cylinders. The regulator has rear entry which allows for easy connection to the liquid cylinder. The stainless steel diaphragm will provide a long service life in cryogenic applications. This regulator controls the delivery of gasses not liquids. Typical applications include high purity gas handling, bulk gas distribution, liquid cylinders and laboratories.

DESIGN FEATURES

- Filtered seat for added gas stream purity, and extended service life
- Large 1 - 7/8" stainless steel diaphragm for precise control of pressure
- Large 2 - 1/2" easy to read single scale gauges
- Rugged all brass bar stock construction
- Plated body, bonnet, and gauges for superior protection
- Built in capturable preset safety relief valve

SPECIFICATIONS

Maximum Inlet Pressure	3500 PSIG
Temp. Operating Range	-40°F to +165°F
Ports (3)	1/4" FNPT
Design Leak Rate	Bubble tight (1 x 10 ⁻⁵ ccs Helium)
Flow Coefficient Cv	0.13
Flow Curve	Flow Chart #4
Inlet Decay Rate	0.23/100 PSIG
Weight	2.5 lbs.

MATERIALS OF CONSTRUCTION

Body	Nickel Plated Brass Bar Stock
Bonnet	Nickel Plated
Diaphragm	Stainless Steel
Seat	Teflon®
Seat Retainer	Brass
Gauge	Chrome Plated
Filter	316 Stainless Steel
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel

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OPTION 1:		OPTION 2:		OPTION 3:	
MODEL SERIES & OUTLET PRESSURE		OUTLET FITTINGS		CGA INLET FITTINGS	
252	100 PSIG	00	1/4" FNPT	00	1/4" FNPT
254	200 PSIG	20	Chrome Needle Valve with male 1/4" NPT outlet	02	CGA 320
255	350 PSIG	82	Nickel "B" fitting 9/16"-18RH	08	CGA 540
256	500 PSIG			09	CGA 580

ORDERING INFORMATION FOR 250 SERIES REGULATORS

Product Number	Max Inlet Pressure PSIG	Max Outlet Pressure PSIG	Delivery Gauge		Relief Valve Setting PSIG
			Range PSIG	Graduations PSIG	
252	3500	100	0-200	5	150
254	3500	200	0-400	10	350
255	3500	350	0-400	10	575
256	3500	500	0-1000	20	575

