

810 Silverline SERIES

HIGH PURITY ANALYTICAL BRASS SINGLE STAGE REGULATOR

DESIGN FEATURES

- Adjustable knob for easy low torque adjustment of pressure
- Nickel plated body and bonnet for superior protection
- 2-1/2" single scale gauges for easy and accurate reading
- Capturable vent port in bonnet to capture and vent away gases 1/16" FNPT
- Bonnet is threaded for a front panel mounting
- Body is tapped for rear panel mounting

These regulators are designed to control high pressures from a wide variety of non-corrosive gases. Typical applications for this regulator include purging and charging, calibration kits, R&D laboratories, high pressure testing, chemical plants and manufacturing processes. The piston sensor design provides structural reliability in high pressure use. Low torque control adjusting knob permits easy adjustment of pressures in closed or dead end systems.



P/N 812-00-00-00-00 SHOWN

Sure-Seat™
technology for maximum
life and gas purity

812 - 00 - 00 - 00 - 00

SPECIFICATIONS

Maximum Inlet Pressure.....	3500 PSIG
Outlet Pressure Ranges.....	0-50, 100, 250, 500 PSIG
Ports (4).....	1/4" FNPT
Outlet.....	1/4" FNPT
Design Leak Rate.....	1x10 ⁻⁵ ccs
Flow Coefficient Cv.....	0.16
Flow Curve.....	Flow Chart #21
Weight.....	8 lbs.

MATERIALS OF CONSTRUCTION

Body.....	Nickel Plated Brass, Bar Stock
Bonnet.....	Nickel Plated Brass, Bar Stock
Seat.....	PFA
O-Rings.....	Buna-N
Piston.....	Brass
Gauge.....	2-1/2" Chrome Plated
Filters.....	Brass
Valve Stem.....	316 Stainless Steel
Valve Spring.....	316 Stainless Steel
Outlet Valve.....	Nickel Plated Base

Option 1:		Option 2:		Option 3:		Option 4:		Option 5:	
Model Series & Outlet Pressure		Outlet Fittings		CGA Inlet Fittings		Accessories		Options	
811	100 PSI (Self-Venting)	00	1/4" FNPT	00	1/4" FNPT	00	None	00	None
812	250 PSI (Self-Venting)	01	1/4" FNPT Diaphragm Valve	02	CGA 320	01	Panel Mount Kit	01	Captured Vent Fitting 1/16" MNPT x 1/8" Tube
		02	1/4" FNPT Diaphragm Valve w/1/8" Tube Fitting	03	CGA 326				
813	500 PSI (Self-Venting)	03	1/4" FNPT Diaphragm Valve w/1/4" Tube Fitting	05	CGA 346	02	Helium Leak Certification	03	Panel Mount Kit and Certification
				06	CGA 350				
816	100 PSI (Non-Venting)	20	1/4" MNPT Needle Valve	07	CGA 510	03	Panel Mount Kit and Certification	03	Panel Mount Kit and Certification
		42	1/4" MNPT Needle Valve w/1/8" Tube Fitting	08	CGA 540				
817	250 PSI (Non-Venting)	81	1/4" MPT x 1/8" Stainless Steel Tube Fitting	09	CGA 580	03	Panel Mount Kit and Certification	03	Panel Mount Kit and Certification
				82	1/4" MPT x 1/8" Stainless Steel Tube Fitting				

Ordering Information For 600 Series Regulators

Product Number	Max. Inlet Pressure PSIG	Max. Outlet Pressure PSIG	Inlet Gauge		Delivery Gauge	
			Range PSIG	Graduations PSIG	Range PSIG	Graduations PSIG
811	3500	100	0-4000	100	0-200	5
812	3500	250	0-4000	100	0-400	10
813	3500	500	0-4000	100	0-1000	20
816	3500	100	0-4000	100	0-200	5
817	3500	250	0-4000	100	0-400	10
818	3500	500	0-4000	100	0-1000	20