

# 120 Silverline SERIES

## GENERAL PURPOSE TWO 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



P/N 120-20-08 SHOWN

**Sure-Seat™**  
technology for maximum  
life and gas purity

General purpose two stage regulators are recommended for control of inert and non-corrosive pure gases in laboratories, general plant and maintenance shops where constant delivery pressures are required. These regulators are not recommended for applications where onboard 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.

### 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.....	0.19
Flow Curve.....	Flow Chart #3
Inlet Decay Rate.....	0.042/100 PSIG
Weight.....	5 lbs.

### MATERIALS OF CONSTRUCTION

Body.....	Nickel Plated Brass, Bar Stock
Bonnet 1st & 2nd Stage.....	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

**120 - 20 - 09**

Option 1: Model Series & Outlet Pressure	
120	15 PSIG
121	50 PSIG
122	100 PSIG
123	250 PSIG

Option 2: Outlet Fittings	
00	1/4" FNPT
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)

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 #120 body

\*Only available and used with #120 main body

### Ordering Information For 120 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	
120	3500	15	0-4000	100	0-30	1	85
121	3500	50	0-4000	100	0-60	1	150
122	3500	100	0-4000	100	0-200	5	150
123	3500	250	0-4000	100	0-400	10	350