

600 Silverline SERIES

HIGH PURITY BRASS LINE REGULATORS

DESIGN FEATURES

- Filtered seat for added gas stream purity
- Stainless steel diaphragm
- Metal to metal body to diaphragm seal
- 2 1/2" single scale gauge
- 316 stainless steel filter
- Brass nickel plated bar stock body
- Capturable vent in bonnet (1/16" FNPT)
- Threaded bonnet for panel mounting
- Body is tapped for rear panel mounting



P/N 600-00-00-00 SHOWN

Sure-Seat™
technology for maximum
life and gas purity

These brass high purity, single stage line regulators are recommended for applications where diffusion resistance is required. These regulators are recommended for chromatographs, mass spectrometers, research sampling systems and semiconductor processing that is being serviced by a low pressure pipeline system. These regulators are able to withstand internal vacuums generated during purging operations. There is a 1/16" FNPT bonnet port to allow for the venting of hazardous gases. This regulator may be panel mounted by using a bonnet mounting nut or the threaded holes in the back of the regulator.

SPECIFICATIONS

Maximum Inlet Pressure	1200 PSIG
Outlet Pressure Ranges	0-25, 0-50, 0-100 PSIG
Temp. Operating Range	-40°F to +165°F
Ports (3)	1/4" FNPT
Outlet	1/4" FNPT
Design Leak Rate	(2 x 10-8 ccs Helium)
Flow Coefficient Cv	0.13
Flow Curve	Flow Chart #7
Weight	2.39 lbs.

MATERIALS OF CONSTRUCTION

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

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Option 1:		Option 2:		Option 3:		Option 4:		Option 5:	
Model Series & Outlet Pressure	Outlet Fittings	CGA Inlet Fittings	Accessories	Options					
600 25 PSIG	00 1/4" FNPT	00 1/4" FNPT	00 None	00 1/4" None					
601 50 PSIG	04 1/4" MNPT x 1/4" Brass Tube Fitting	04 1/4" MNPT x 1/4" Brass Tube Fitting	01 Panel Mount Kit	01 Captured Vent Fitting 1/16" MPT x 1/8" Tube					
602 100 PSIG	80 1/4" MNPT x 1/8" Brass Tube Fitting	11 1/4" MNPT x 1/8" Brass Tube Fitting	02 Helium Leak Certification						
	81 1/4" MNPT x 1/8" Stainless Steel Tube Fitting	12 1/4" MNPT x 1/8" Stainless Steel Tube Fitting	03 Panel Mount Kit and Certification						
	83 1/4" MNPT x 1/4" 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
600	1200	25	---	---	30" HG 0-30	1
601	1200	50	---	---	0-60	1
602	1200	100	---	---	0-200	5