

# 100 SERIES



Distributed By:  
**Med-Tech Gases, Inc.**  
 1-800-FINE-GAS (346-3427)  
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## GENERAL PURPOSE SINGLE STAGE LINE REGULATORS



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

These general purpose single stage regulators are recommended for inert and non-corrosive gas applications where precise control of delivery is not necessary. These regulators are not recommended for applications where inboard diffusion of air or outgassing of elastomeric components would adversely affect the work being done.

### DESIGN FEATURES

- Filtered seat for added gas stream purity, and extended service life
- Large 1 - 3/4" diaphragm for precise control of pressure
- Large 2 - 1/2" easy to read single scale gauges
- Rugged brass construction with bar stock body
- Plated body, bonnet, and gauges for superior protection

### SPECIFICATIONS

Maximum Inlet Pressure . . . . . 3000 PSIG  
 Outlet Pressure Ranges . . . . . 0-15, 0-50, 0-100,  
 0-200 PSIG  
 Temp. Operating Range . . . . . -40°F to +165°F  
 Ports (3) . . . . . 1/4" FNPT  
 Design Leak Rate . . . . . Bubble tight  
 (1 x 10<sup>-5</sup> ccs Helium)  
 Flow Coefficient Cv . . . . . 0.20  
 Inlet Decay Rate . . . . . .138/100 PSIG  
 Weight . . . . . 3 lbs.

### MATERIALS OF CONSTRUCTION

Body . . . . . Electroless Nickel Plated  
 Brass Bar Stock  
 Bonnet . . . . . Electroless Nickel Plated  
 Brass Forging  
 Seat . . . . . Teflon®  
 Seat Retainer . . . . . Brass  
 Diaphragm . . . . . Neoprene  
 Gauge . . . . . 2-1/2" Chrome Plated  
 Filters (2) . . . . . 316 Stainless Steel/Brass  
 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	
100	15 PSIG	00	1/4" FNPT	00	1/4" FNPT
101	50 PSIG	04	1/4" MPT x 1/8" brass tube fitting	04	1/4" MPT x 1/8" brass tube fitting
102	100 PSIG	80	1/4" MPT x 1/8" brass tube fitting	11	1/4" MPT x 1/8" brass tube fitting
103	200 PSIG	81	1/4" MPT x 1/8" stainless	12	1/4" MPT x 1/8" stainless steel tube fitting

To order additional inlet/outlet and accessories options which are available and sold separately, please see page 38-39 of this catalog.

### ORDERING INFORMATION FOR 100 SERIES REGULATORS

Product Number	Max. Inlet Pressure PSIG	Max. Outlet Pressure PSIG	Inlet Gauge		Delivery Gauge	
			Range PSIG	Graduations PSIG	Range PSIG	Graduations PSIG
100	3000	15	--	--	0-30	1
101	3000	50	--	--	0-60	2
102	3000	100	--	--	0-200	5
103	3000	200	--	--	0-400	10



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