

# GP 8700

Ultra High Pressure Regulator



Model 8700-6000-677 shown

The Model GP 8700 is a single stage high pressure regulator that is designed to operate on high pressure cylinders up to 7500 PSIG. The Model GP 8700 is suitable for:

- ▶ High pressure testing
- ▶ Charging accumulators
- ▶ Pressurizing aircraft struts

## FEATURES

- ☑ 0-1500, 2500, 3000, 4500 and 6000 PSIG delivery pressures available
  - ☑ One piece encapsulated valve design with PCTFE seats and an internal filter
  - ☑ Ergonomic knob for improved grip
  - ☑ 1/4" NPT outlet with stainless steel 1/4" tube fitting
  - ☑ 2 1/2" dual scale gauges (psi/bar)
  - ☑ Conforms to CGA E-4 standard for gas pressure regulators
- \* Models with the following CGA inlet connections are self venting - 346, 347, 580, 590, 677, 680**

## MATERIALS

Body	Brass Barstock
Bonnet	Brass Barstock
Diaphragm	Urethane*
Nozzle	Brass
Seat	PCTFE (Kel-F™)
Filter	Nickel-Plated Sintered Bronze - 10 Micron
Seat Return Spring	PH 17-7 Stainless Steel
Adjusting Knob	ABS Plastic
Outlet	1/4" Stainless Steel Tube Fitting

\* Neoprene for O<sub>2</sub> models

## RELATED OPTIONS

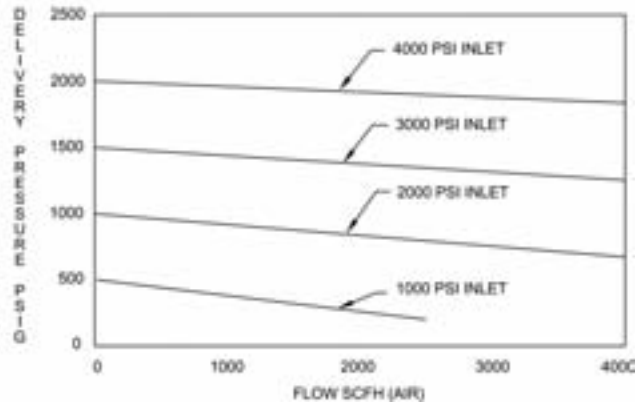
Panel Mount Nut P/N: 9100887

## GP 8700 ORDERING INFORMATION

PART NO.	MODEL NO.	GAS	MAX. INLET PSIG	DELIVERY PRESSURE RANGE PSIG	DELIVERY PRESSURE GAUGE PSIG	SUPPLY PRESSURE GAUGE PSIG
3200310	8700-1500-346	Medical Air	3000	0-1500	3,000	4,000
3200311	8700-2500-346		3000	0-2500	3,000	4,000
3200312	8700-1500-347		5,500	0-1500	3,000	6,000
3200314	8700-3000-347		5,500	0-3000	4,000	6,000
3200315	8700-4500-347		5,500	0-4500	6,000	6,000
3200302	8700-1500-350	Hydrogen, Methane	3,000	0-1500	3,000	4,000
3200303	8700-2500-350		3,000	0-2500	4,000	4,000
3200316	8700-1500-695		5,500	0-1500	3,000	6,000
3200318	8700-3000-695		5,500	0-3000	4,000	6,000
3200319	8700-4500-695		5,500	0-4500	6,000	6,000
3200304	8700-1500-590	Industrial Air	3,000	0-1500	3,000	4,000
3200305	8700-2500-590		3,000	0-2500	4,000	4,000
3200306	8700-1500-540	Oxygen	3,000	0-1500	3,000	4,000
3200307	8700-2500-540		3,000	0-2500	4,000	4,000
3200308	8700-1500-540-Surge Guard		3,000	0-1500	3,000	4,000
3200309	8700-2500-540-Surge Guard		3,000	0-2500	4,000	4,000
3200300	8700-1500-580	Nitrogen, Argon, Helium	3,000	0-1500	3,000	3,000
3200301	8700-2500-580		3,000	0-2500	4,000	4,000
3200320	8700-1500-677		7,500	0-1500	3,000	10,000
3200321	8700-3000-677		7,500	0-3000	4,000	10,000
3200322	8700-4500-677		7,500	0-4500	6,000	10,000
3200323	8700-6000-677		7,500	0-6000	10,000	10,000
3200324	8700-1500-680		5,500	0-1500	3,000	6,000
3200326	8700-3000-680		5,500	0-3000	4,000	6,000
3200327	8700-4500-680		5,500	0-4500	6,000	6,000

# GP 8700 TECHNICAL SPECIFICATIONS

## FLOW DATA



## SPECIFICATIONS

### Non-Venting Models

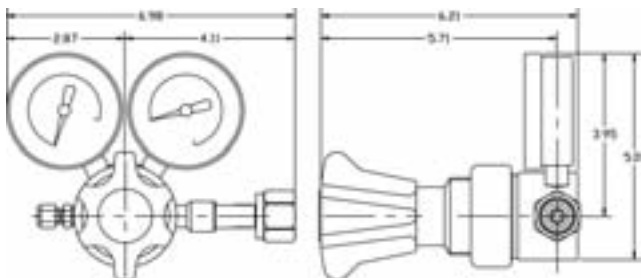
Regulator Weight: 5.8 lbs.  
 Pressure Rise: 3.3 PSIG per 100 PSIG  
 $C_v$ : .08

### Self-Venting Models

Regulator Weight: 7.0 lbs.  
 Pressure Rise: 3.3 PSIG per 100 PSIG  
 $C_v$ : .08

## DIMENSIONS

### Non-Venting Models



### Self-Venting Models

