

HP 701EN

Single Stage Electroless Nickel Plated Regulator



Model shown is 701EN-125-330-FA

MATERIALS

Body	Electroless Nickel Plated Brass
Bonnet	Electroless Nickel Plated Brass
Diaphragm	316L Stainless Steel
Seat	PTFE Teflon
Seals	PTFE Teflon
Filter	Sintered Stainless Steel - 10 Micron

The Model HP 701EN is a single stage regulator with a electroless nickel plated brass body for primary pressure control of corrosive and acid forming gases or gas mixtures. Typical applications include:

- Hydrogen Chloride
- Hydrogen Bromide
- Hydrogen Sulfide
- Boron Trichloride
- Dichlorosilane
- Chlorine

Harris strongly recommends the use of a 316 SS cross purge assembly for highly corrosive and acid forming gases. The use of a cross purge will eliminate moisture which will result in acid corrosion inside the regulator

FEATURES

- 2" 316L SS diaphragm eliminates contamination from diffusion or outgassing
- One piece encapsulated seat design includes a 10 micron sintered filter to protect from contamination
- 2" 316 SS gauges (psi/bar)
- Up to 250 PSIG outlet pressures available
- Designed to 1.0 x 10⁻⁸ cc/sec He leak rate to maintain gas purity
- 316 SS gauges and fittings

RELATED OPTIONS

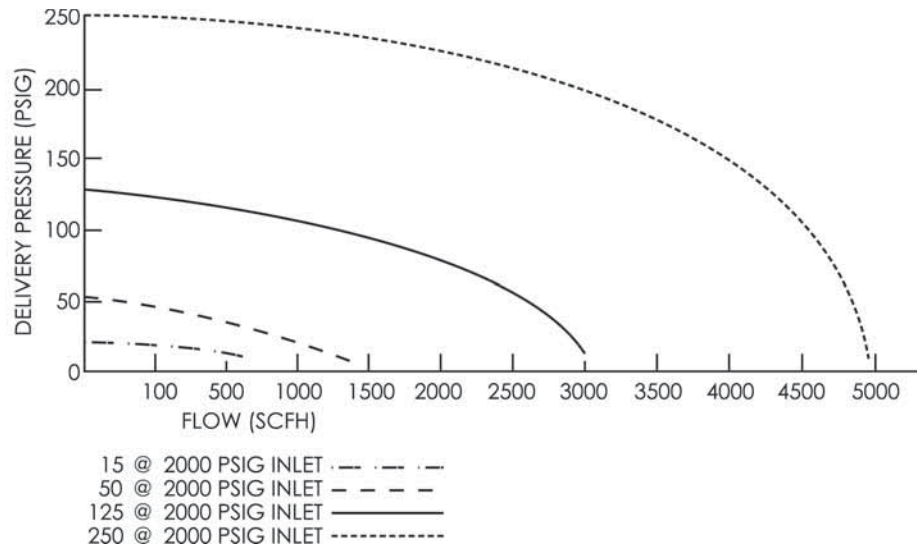
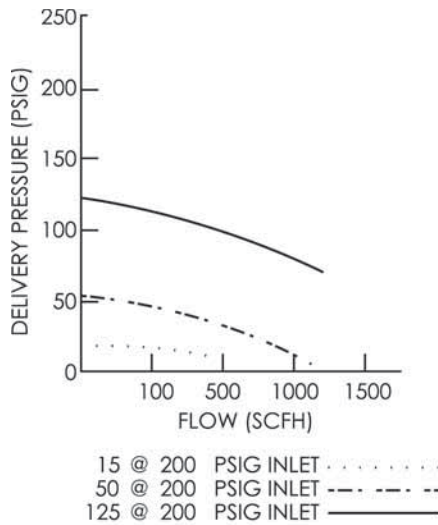
Wall mounting bracket P/N: 9101242



HP 701EN Ordering Information

HP 701EN	-	XXX	-	XXX	-	XX	-	XXXX
MODEL NO.	DELIVERY	DELIVERY PRESSURE [OUTLET GAUGE]	CGA INLET FITTING	ACCESSORIES	OPTIONS			
HP 701EN	0-15 PSIG	(30" Hg Vac-30 PSIG)	240	A. 1/4" FNPT Diaph Valve	1. He Leak Cert (Inboard)			
	0-50 PSIG	(30" Hg Vac-100 PSIG)	330	B. 1/4" MNPT Nipple	2. No Gauge			
	0-125 PSIG	(30" Hg Vac-200 PSIG)	660	C. 1/4" FNPT Port	3. w/Relief Valve			
	0-250 PSIG	(30" Hg Vac-400 PSIG)	705	D. 1/4" Tube Fitting	4. He leak Cert (Outboard)			
			000 (1/4" FNPT)	E. 1/8" Tube Fitting	5. 400 psi inlet gauge			
			001 (1/4" MNPT)	F. Inlet Cross Purge	6. 1000 psi inlet gauge			
				G. Single Regulator Alarm	Gas Service Must be Specified			
				H. SG910SS Mounting Station*				
				*Not available with cross purge				

FLOW DATA



SPECIFICATIONS

- Cv: .17
- Pressure Regulation: 1.3 PSIG/100 PSIG
- Weight: 3.5 Lbs.

DIMENSIONS

