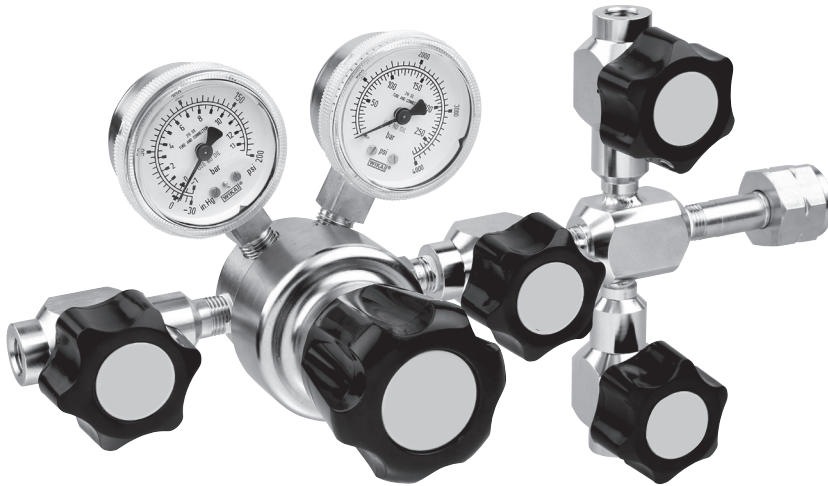


# HP 701EN

Single Stage Electroless Nickel Plated Regulator



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
- 1.0 x 10<sup>-8</sup> cc/sec He leak rate
- 316 SS gauges and fittings



Model HP 701-125-580-BE shown

## MATERIALS

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

## RELATED OPTIONS

Wall mounting bracket P/N: 9101242

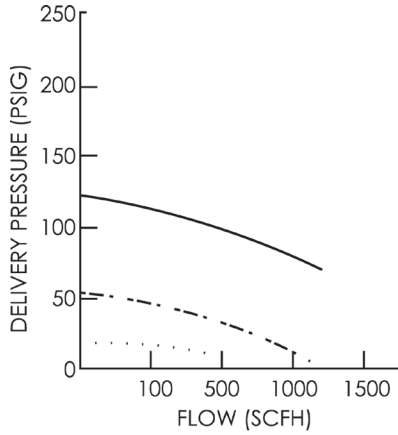


## HP 701 ORDERING INFORMATION

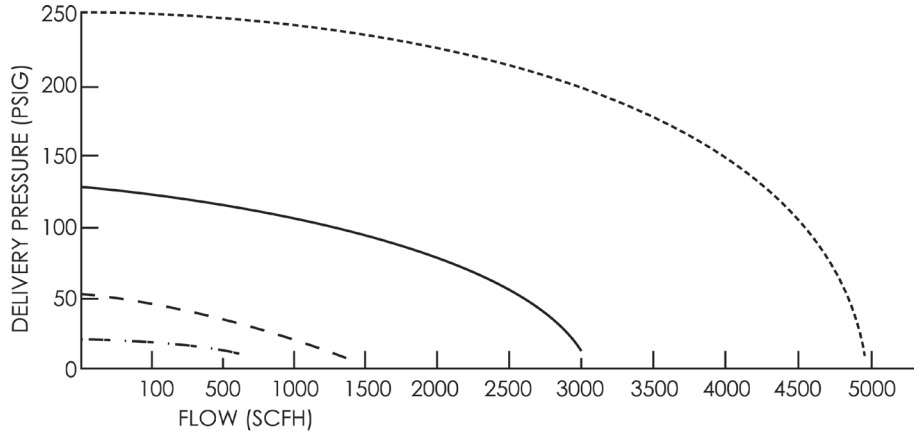
HP 701	-	XXX	-	XXX	-	XXXX	-	XXX
MODEL NO.	DELIVERY PRESSURE DELIVERY (OUTLET GAUGE)		CGA INLET FITTING	ACCESSORIES		OPTIONS		
HP 701EN	0-15 PSIG	(30" Hg Vac-30 PSIG)	240	A) 1/4" FNPT Diaph Valve	1) He Leak Cert (IB)			
	0-50 PSIG	(30" Hg Vac-100 PSIG)	330	B) 1/4" MNPT Nipple	2) No Gauge			
	0-125 PSIG	(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 (OB)			
			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				
				H) SG910SS Mounting Station*				

# HP 701 TECHNICAL SPECIFICATIONS

## FLOW DATA



15 @ 200 PSIG INLET .....  
 50 @ 200 PSIG INLET - - - - -  
 125 @ 200 PSIG INLET \_\_\_\_\_



15 @ 2000 PSIG INLET · - · - · -  
 50 @ 2000 PSIG INLET - - - - -  
 125 @ 2000 PSIG INLET \_\_\_\_\_  
 250 @ 2000 PSIG INLET ········

## SPECIFICATIONS

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

## DIMENSIONS

