

# HP 702

High Purity - Chrome Plated Brass Regulator



Model HP 702-125-580-B shown

A chrome plated brass two stage cylinder regulator with a stainless steel diaphragm for general laboratory use. The HP 702 provides constant delivery pressure from full to near empty cylinder conditions. The HP 702 is suitable for:

- ▶ Non-corrosive gases
- ▶ Purging
- ▶ Pressure testing
- ▶ Blanketing

**Recommended for gas purity up to Grade 5.0 (99.999).**

## MATERIALS

Body	.....	Chrome Plated Brass
Bonnets	.....	Chrome Plated Die Cast
Diaphragms	.....	.302 Stainless Steel
Nozzles	.....	.Brass
Seat	.....	.PTFE Teflon
Seals	.....	.PTFE Teflon
Filter	.....	.Nickel-Plated Sintered Bronze - 10 Micron
Seat Return Spring	.....	.PH-17 Stainless Steel
Adjusting Knob	.....	.ABS Plastic

## FEATURES

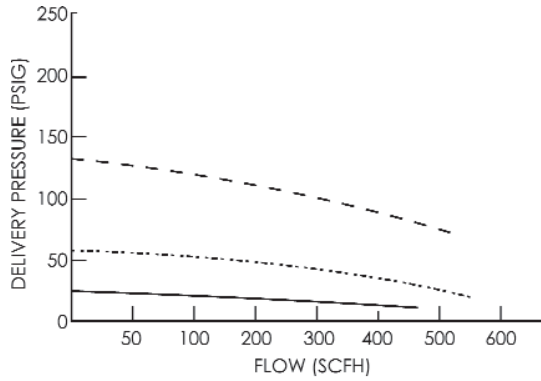
- ▣ 2 1/8" 302 stainless steel diaphragm eliminates contamination from diffusion or outgassing
- ▣ One-piece encapsulated seat design to protect seat from particulate contamination
- ▣ Chrome plated bonnet, body and fittings
- ▣ 2" chrome plated dual scale gauges (psi/bar)
- ▣ External relief valve standard
- ▣  $1 \times 10^{-8}$  cc/sec. inboard helium leak rate maintains gas purity levels
- ▣ Maximum inlet 3000 PSIG except for models with CGA 300 and 510, equipped with 400 PSIG inlet gauge

## HP 702 ORDERING INFORMATION

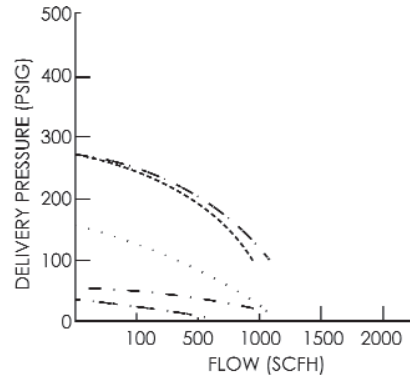
HP 702	-	xxx	-	xxx	-	xxxx	-	xx
MODEL NO.	DELIVERY PRESSURE		CGA INLET FITTING		ACCESSORIES	OPTIONS		
	DELIVERY	(OUTLET GAUGE)						
HP 702	0-15 PSIG	(30" Hg Vac-30 psi/2 bar)	280	350	A) 1/4" MNPT Needle Valve	1) Without Relief Valve		
	0-50 PSIG	(30" Hg Vac-100 psi/7 bar)	296	500	B) 1/4" FNPT Diaph. Valve	2) No Gauges		
	0-125 PSIG	(30" Hg Vac-200 psi/14 bar)	300	510	C) 1/4" MNPT Nipple			
	0-250 PSIG	(400 psi/28 bar)	320	540	D) 1/4" FNPT Port			
			326	580	E) 1/4" Tube Fitting			
			346	590	F) 1/8" Tube Fitting			
			000	(1/4" FNPT)	G) 1/4" MNPT Hose Barb			
			001	(1/4" MNPT)	H) 1/8" MNPT Hose Barb			
					I) 1/4" FNPT Hose Barb			
					J) 1/4" FNPT Needle Valve			
					K) Single Regulator Alarm			
					L) SG 910 BR Regulator Mounting Station			

# HP 702 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 @ 350 PSIG INLET ———  
 250 @ 2000 PSIG INLET - - - -

## SPECIFICATIONS

- ▶  $C_v$ : .15
- ▶ Pressure Regulation: 0.9 PSIG/100 PSIG
- ▶ Weight: 4.48 Lbs.

## DIMENSIONS

