

# HP 702

High Purity - Chrome Plated Brass Regulator



Model HP 702-125-580-B shown

## MATERIALS

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

## 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	555	E) 1/4" Tube Fitting			
			346	580	F) 1/8" Tube Fitting			
				590	G) 1/4" MNPT Hose Barb			
			000 (1/4" FNPT)		H) 1/8" MNPT Hose Barb			
			001 (1/4" MNPT)		I) 1/4" FNPT Hose Barb			
					J) 1/4" FNPT Needle Valve			
					K) Single Regulator Alarm			
					L) SG 910 BR Regulator Mounting Station			

Model HP 702 is 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
- Incubators

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

## 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
- Designed to 1 x 10<sup>-8</sup> cc/sec. inboard helium leak rate to maintain gas purity levels
- Maximum inlet 3000 PSIG except for models with CGA 300 and 510 equipped with 400 PSIG inlet gauge



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Thai Engineering Gas Co., Ltd.

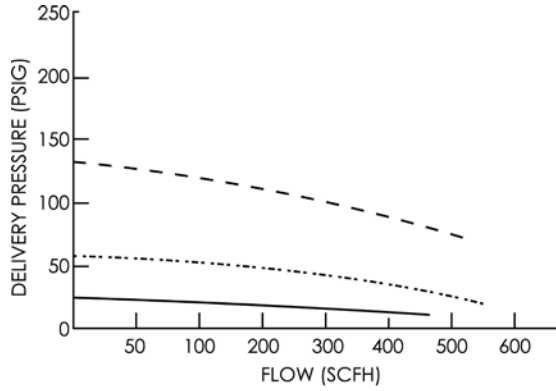
THE HARRIS PRODUCTS GROUP

Orders: 1.800.733.4043

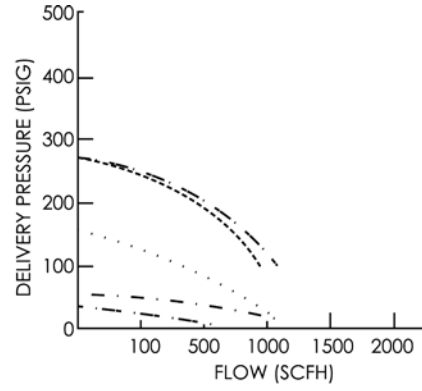


# HP 702 TECHNICAL SPECIFICATIONS

## FLOW DATA



15 @ 200 PSIG INLET ———  
 50 @ 200 PSIG INLET - - - - -  
 125 @ 200 PSIG INLET - - - - -

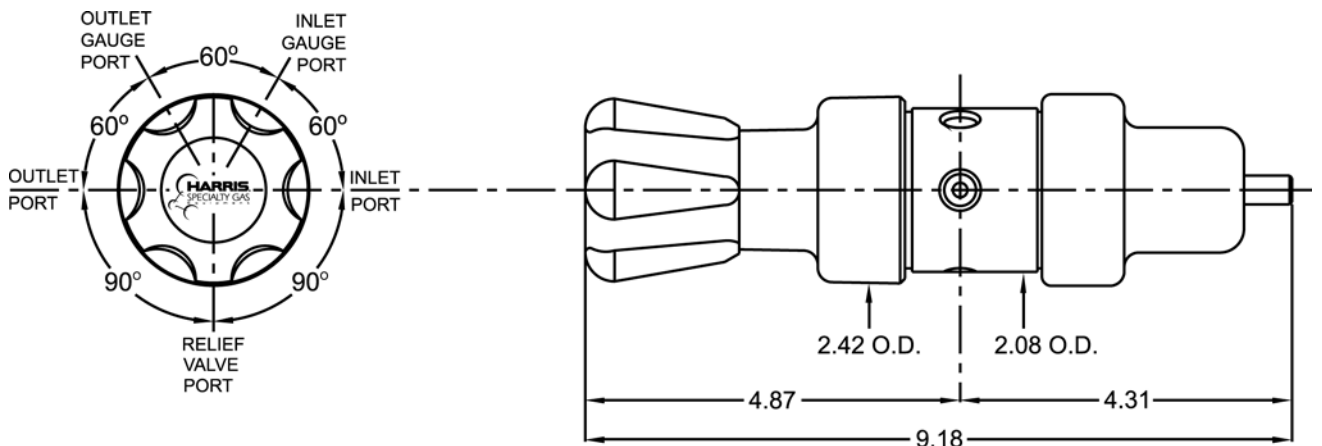


15 @ 2000 PSIG INLET - - - - -  
 50 @ 2000 PSIG INLET - - - - -  
 125 @ 2000 PSIG INLET - - - - -  
 250 @ 350 PSIG INLET - - - - -  
 250 @ 2000 PSIG INLET - - - - -

## SPECIFICATIONS

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

## DIMENSIONS



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