

HP 721

High Purity - Brass Barstock Regulator



Model HP 721C-125-580-BE-1 shown

Model HP 721 is a single stage cylinder regulator available in brass (HP 721) or chrome plated brass (HP 721C) barstock for pressure control of non corrosive gases when pressure rise is not critical. The HP 721 is suitable for:

- High purity gas applications
- Research sample systems gases
- Process analyzer gases
- Gas chromatography
- EPA protocol gases
- Laser gas systems
- Emission monitoring systems

Recommended for gas purity levels of Grade 5.0 (99.999) and higher.

FEATURES

- 1-11/16" 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing
- One piece encapsulated seat design includes a sintered filter to protect the seat from particulate contamination
- 2" dual scale brass gauges (psi/bar)
- Designed to 1 x 10⁻⁹ cc/sec. inboard helium leak rate to maintain gas purity levels
- Front or back panel mountable
- Maximum inlet 3000 PSIG except for models with CGA 300 and 510 equipped with 400 PSIG Inlet gauge
- External relief valve standard

RELATED OPTIONS

Front Panel Mount Kit P/N: 9100871

Wall Mounting Bracket P/N: 9101242



MATERIALS

Body/Bonnet	Brass Barstock
Diaphragm	316L Stainless Steel
Nozzle	Brass
Seat	PTFE Teflon
Seals	PTFE Teflon
Filter	Nickel-Plated Sintered Bronze - 10 Micron
Seat Return Spring	PH17-7 Stainless Steel
Adjusting Knob	ABS Plastic

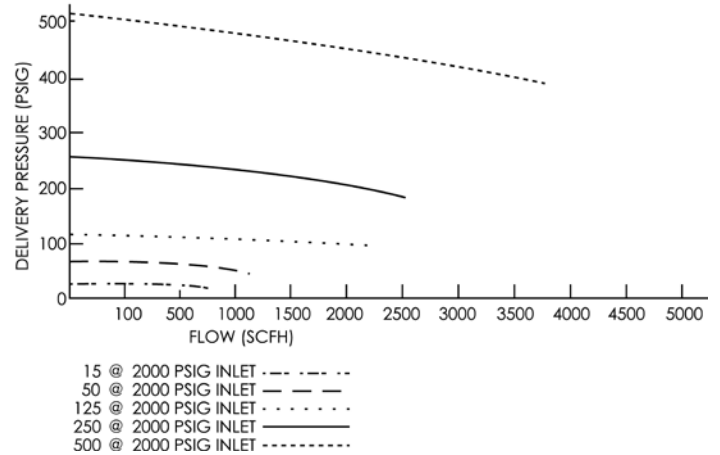
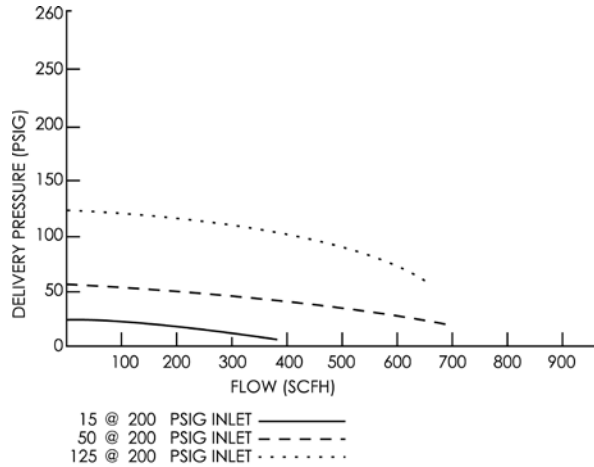
HP 721 ORDERING INFORMATION

HP 721	-	XXX	-	XXX	-	XXXX	-	XXXXX
MODEL NO.	DELIVERY PRESSURE		CGA/INLET FITTING		ACCESSORIES		OPTIONS	
	DELIVERY	(OUTLET GAUGE)						
HP 721	0-15 PSIG	(30" Hg Vac-30 psi/2 bar)	300	510	A) 1/4" MNPT Needle Valve	1) Without Relief Valve		
HP 721C	0-50 PSIG	(30" Hg Vac-100 psi/7 bar)	320	540	B) 1/4" FNPT Diaph. Valve	2) He Leak Cert. (Inboard)		
(chrome plated)	0-125 PSIG	(30" Hg Vac-200 psi/14 bar)	326	580	C) 1/4" MNPT Nipple	3) No Gauges		
	0-250 PSIG	(400 psi/28 bar)	346	590	D) 1/4" FNPT Port	5) He Leak Cert. (Outboard)		
	0-500 PSIG	(1000 psi/70 bar)	350		E) 1/4" Tube Fitting	6) 400 psi inlet gauge		
			000 (1/4" FNPT)		F) 1/8" Tube Fitting			
			001 (1/4" MNPT)		G) Single Regulator Alarm- (721C only)			
					H) SG 910 BR Regulator Mounting Station			

Gas Service Must be Specified

HP 721 TECHNICAL SPECIFICATIONS

FLOW DATA



SPECIFICATIONS

- C_v : .08
- Pressure Regulation: 1.8 PSIG/100 PSIG
- Weight: 2.92 lbs.

DIMENSIONS

