

HP 701

SPECIALTY GAS EQUIPMENT

High Purity - Chrome Plated Brass



* Model HP 701-050-580-BE shown

A chrome plated single stage cylinder regulator with a stainless steel diaphragm for general laboratory use. The HP 701 can be used when a slight pressure rise from full to empty cylinder can be tolerated. The HP 701 is suitable for:

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

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
- ▣ 1 x 10⁻⁸ cc/sec. inboard helium leak rate maintains gas purity levels
- ▣ Maximum inlet pressure 3000 PSIG except for models with CGA 510, 300 and option number 6 below

MATERIALS

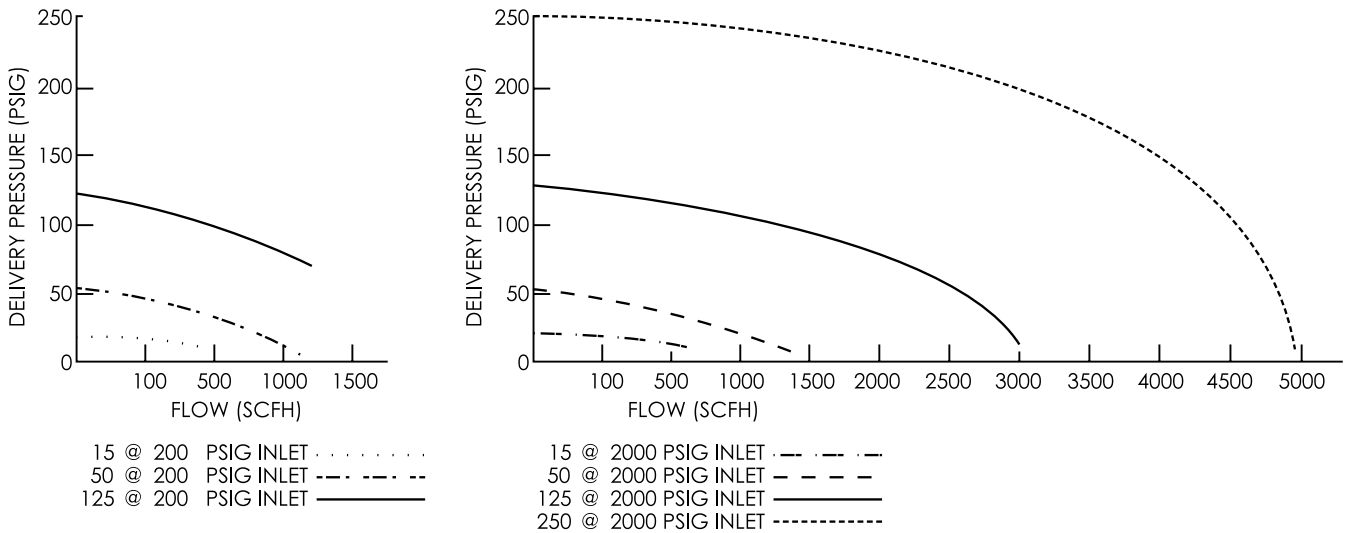
Body	Chrome Plated Brass
Bonnet	Chrome Plated Die Cast
Diaphragm302 Stainless Steel
Nozzle	Brass
SeatPTFE Teflon
SealsPTFE Teflon
Filter	Nickel-Plated Sintered Bronze - 10 Micron
Seat Return SpringPH-17 Stainless Steel
Adjusting KnobABS Plastic

HP 701 ORDERING INFORMATION

MODEL NUMBER	DELIVERY PRESSURE DELIVERY (OUTLET GAUGE)	CGA INLET FITTING	OUTLET FITTING	OPTIONS
HP 701	0-15 psi (30" Hg Vac-30 psi/2 bar)	280	350	1) Without Relief Valve
	0-50 psi (30" Hg Vac-100 psi/7 bar)	296	500	2) No Gauges
	0-125 psi (30" Hg Vac-200 psi/14 bar)	300	510	6) 400 psi inlet gauge, Gas Service must be Specified
	0-250 psi (400 psi/28 bar)	320	540	
		326	580	
		346	590	
		000 (1/4" FNPT)	G) 1/4" Hose Barb (MNPT)	
		001 (1/4" MNPT)	H) 1/8" Hose Barb (MNPT)	
			I) 1/4" Hose Barb (FNPT)	
			J) 1/4" FNV	

HP 701 TECHNICAL SPECIFICATIONS

FLOW DATA



SPECIFICATIONS

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

DIMENSIONS

