

HP 703

SPECIALTY GAS EQUIPMENT

High Purity - Chrome Plated Brass



* Model HP 703-125-000-D shown

A chrome plated brass single stage pipeline regulator with a stainless steel diaphragm for general laboratory use. The HP 703 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
- ▣ 1×10^{-8} cc/sec. inboard helium leak rate maintains gas purity levels

MATERIALS

Body	Chrome Plated Brass
Bonnet	Chrome Plated Die Cast
Diaphragm	302 Stainless Steel
Nozzle	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

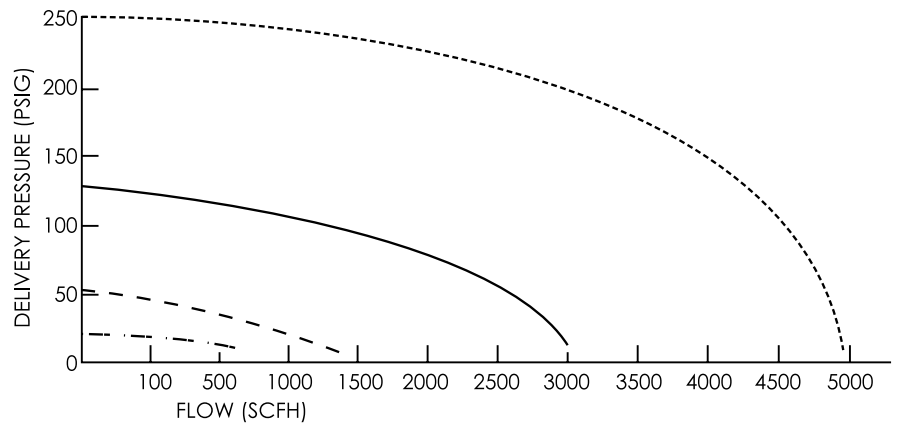
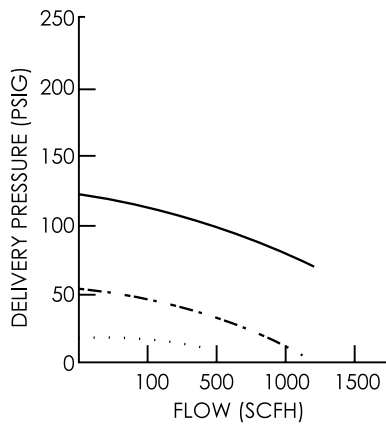
HP 703 ORDERING INFORMATION

HP 703	-	xxx	-	xxx	-	x	-	xxx
MODEL NUMBER	DELIVERY PRESSURE		INLET FITTING	OUTLET FITTING	OPTIONS			
	DELIVERY	(OUTLET GAUGE)						
HP 703	0-15 psi	(30" Hg Vac-30 psi/2 bar)	000 (1/4" FNPT)	A) Needle Valve 1/4" MNPT	1) Without Relief Valve			
	0-50 psi	(30" Hg Vac-100 psi/7 bar)	001 (1/4" MNPT)	B) Diaph. Valve 1/4" FNPT	2) No Gauges			
	0-125 psi	(30" Hg Vac-200 psi/14 bar)		C) 1/4" MNPT				
	0-250 psi	(400 psi/28 bar)		D) 1/4" FNPT Port				
				E) 1/4" Tube Fitting				
				F) 1/8" Tube Fitting				
				G) 1/4" Hose Barb (MNPT)				
				H) 1/8" Hose Barb (MNPT)				
				I) 1/4" Hose Barb (FNPT)				
				J) 1/4" FNV				

*NOTE: Regulators with delivery pressure above 15 PSIG should not be used with acetylene.

HP 703 TECHNICAL SPECIFICATIONS

FLOW DATA



SPECIFICATIONS

- ▶ C_v : .17
- ▶ Pressure Regulation: 1.8 PSIG/100 PSIG
- ▶ Weight: 2.92 Lbs.

DIMENSIONS

