

HP 703

High Purity - Chrome Plated Brass Regulator



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).

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

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 gauge (psi/bar)
- ▣ External relief valve standard
- ▣ 1 x 10⁻⁸ cc/sec. inboard helium leak rate maintains gas purity levels

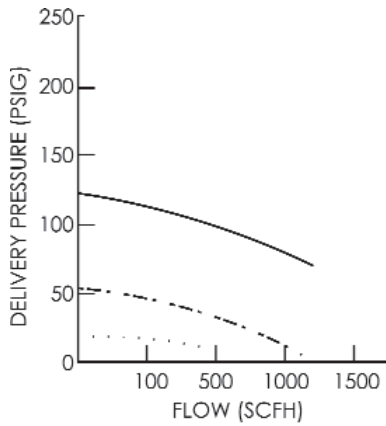
HP 703 ORDERING INFORMATION

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

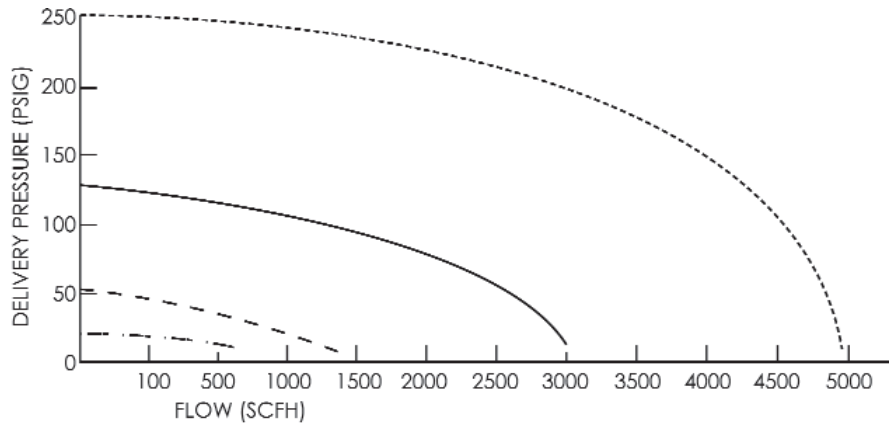
NOTE: Regulators with delivery pressure above 15 PSIG should not be used with acetylene.

HP 703 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 @ 2000 PSIG INLET ······

SPECIFICATIONS

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

DIMENSIONS

