

HP 743

High Purity - Stainless Steel Barstock Regulator



Model HP 743-250-000-C-4 shown

A stainless steel pipeline regulator for pipeline and other applications up to 3000 PSIG inlet pressure. The Model HP 743 is suitable for:

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

Recommended for corrosive gases or purity levels of Grade 6.0 (99.9999) 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
- ▣ Chrome plated bonnet, 316L body and fittings
- ▣ 2" stainless steel single scale gauge (psi/bar)
- ▣ 1 x 10⁻⁹ cc/sec. inboard helium leak rate maintains gas purity levels
- ▣ Maximum inlet 3000 PSIG
- ▣ Front or back panel mountable

RELATED OPTIONS

Captured Vent Kit P/N: 9100875
Front Panel Mount Kit P/N: 9100871

MATERIALS

Body	.....	.316L Stainless Steel Barstock
Bonnet	.....	Chrome Plated Brass Barstock
Diaphragm	.....	.316L Stainless Steel
Nozzle	.....	.316L Stainless Steel
Seat	.....	.PTFE Teflon
Seals	.....	.PTFE Teflon
Filter	.....	Sintered Stainless Steel - 10 Micron
Seat Return Spring	.....	.316L Stainless Steel
Adjusting Knob	.....	.ABS Plastic

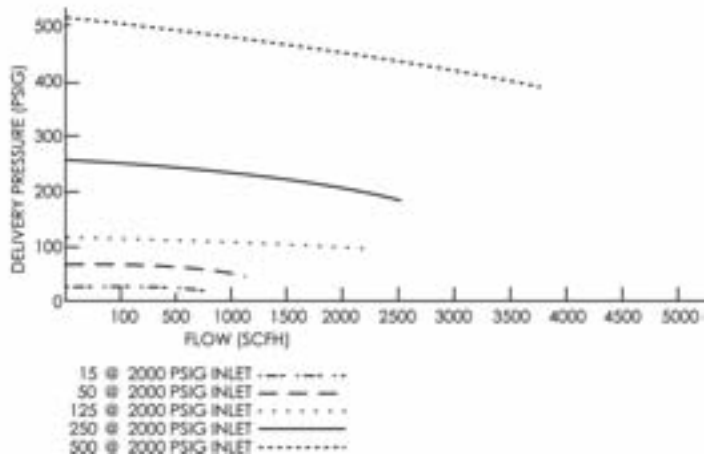
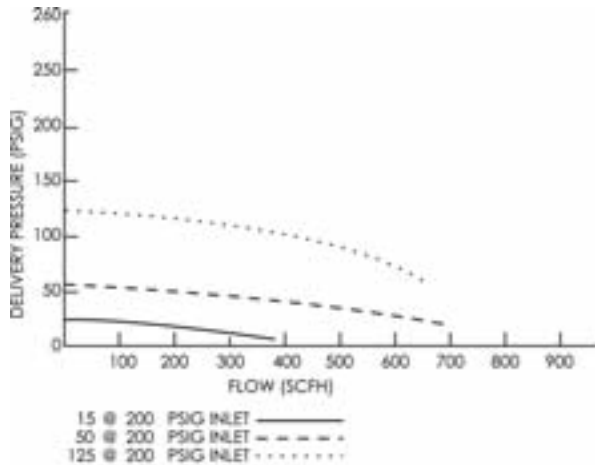
HP 743 ORDERING INFORMATION

HP 743	-	xxx	-	xxx	-	xx	-	xxxx
MODEL NO.	DELIVERY PRESSURE		INLET	ACCESSORIES		OPTIONS		
	DELIVERY	(OUTLET GAUGE)						
HP 743	0-15 PSIG	(30" Hg Vac-30 psi/2 bar)	000 (1/4" FNPT)	A) 1/4" FNPT Diaph. Valve	2) He Leak Cert. (Inboard)			
	0-50 PSIG	(30" Hg Vac-100 psi/7 bar)	001 (1/4" MNPT)	B) 1/4" MNPT Nipple	3) No Gauge			
	0-125 PSIG	(30" Hg Vac-200 psi/14 bar)		C) 1/4" FNPT Port	4) With Relief Valve			
	0-250 PSIG	(400 psi/28 bar)		D) 1/4" Tube Fitting	5) He Leak Cert. (Outboard)			
	0-500 PSIG	(1000 psi/70 bar)		E) 1/8" Tube Fitting				

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

HP 743 TECHNICAL SPECIFICATIONS

FLOW DATA



SPECIFICATIONS

- ▶ C_v : .08
- ▶ Pressure Regulation: 1.8 PSIG/100 PSIG
- ▶ Weight: 2.68 Lbs.

DIMENSIONS

