

HP 743

High Purity - Stainless Steel Barstock Regulator



Model HP 743-125-000-E shown

Model HP 743 is a single stage 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)
- Designed to 1 x 10⁻⁹ cc/sec. inboard helium leak rate to maintain gas purity levels
- Maximum inlet 3000 PSIG
- Front or back panel mountable

RELATED OPTIONS

Front Panel Mount Kit P/N: 9100871
Wall mounting Bracket P/N: 9101242



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

**SHIPS
24
TO
48hr**

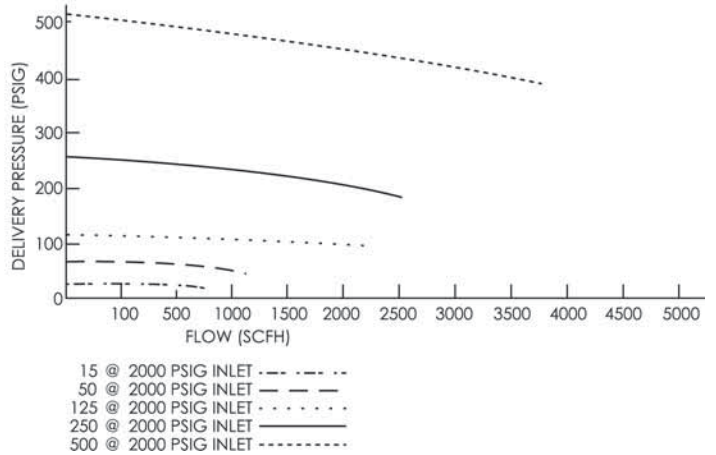
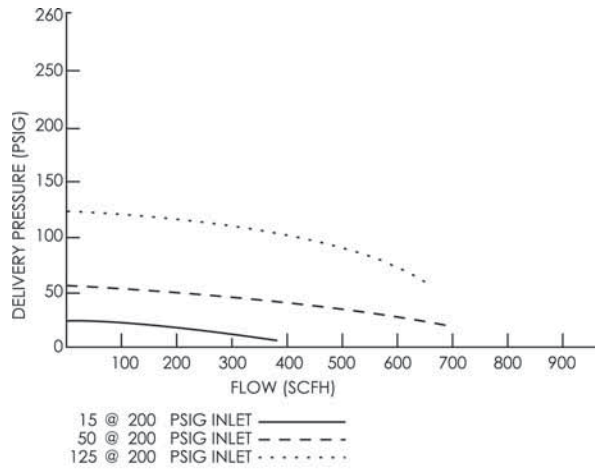
HP 743 ORDERING INFORMATION

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)	002 (1/4" Tube fitting)	C. 1/4" FNPT Port	4. With Relief Valve			
	0-250 PSIG	(400 psi/28 bar)	003 (1/8" Tube fitting)	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.



FLOW DATA



SPECIFICATIONS

- Cv: .08
- Pressure Regulation: 1.8 PSIG/100 PSIG
- Weight: 2.68 lbs.

DIMENSIONS

