

HP 742

High Purity - Stainless Steel Barstock Regulator



Model HP 742-125-580-A-4 shown

A two stage stainless steel cylinder regulator for constant delivery pressure from full to near empty cylinder conditions. The HP 742 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.

MATERIALS

Body316L Stainless Steel Barstock
 BonnetChrome Plated Brass Barstock
 Diaphragm316L Stainless Steel
 Nozzle316L Stainless Steel
 SeatPTFE Teflon
 SealsPTFE Teflon
 FilterSintered Stainless Steel - 10 Micron
 Seat Return Spring316L Stainless Steel
 Adjusting KnobABS Plastic

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 SS body and fittings
- ☐ 2" stainless steel dual scale gauges (psi/bar)
- ☐ 1 x 10⁻⁹ cc/sec. inboard helium leak rate maintains gas purity levels
- ☐ Maximum inlet 3000 PSIG except for models with CGA 240, 300 and 510, equipped with 400 PSIG inlet gauge
- ☐ Front panel mountable

RELATED OPTIONS

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

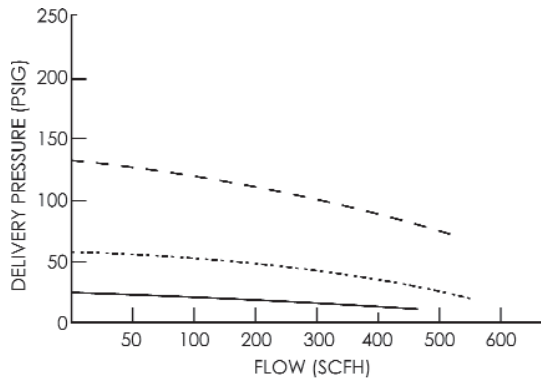
HP 742 ORDERING INFORMATION

HP 742 - XXX - XXX - XXXX - XXXX

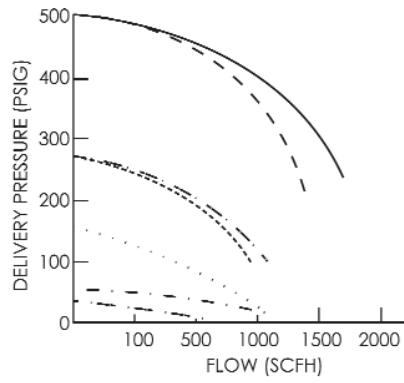
MODEL NO.	DELIVERY PRESSURE		CGA/INLET FITTING		ACCESSORIES	OPTIONS
	DELIVERY	(OUTLET GAUGE)				
HP 742	0-15 PSIG	(30" Hg Vac-30 psi/2 bar)	240	510	A) 1/4" FNPT Diaph. Valve	2) He Leak Cert. (Inboard)
	0-50 PSIG	(30" Hg Vac-100 psi/7 bar)	320	540	B) 1/4" MNPT Nipple	3) No Gauges
	0-125 PSIG	(30" Hg Vac-200 psi/14 bar)	326	580	C) 1/4" FNPT Port	4) With Relief Valve
	0-250 PSIG	(400 psi/28 bar)	330	590	D) 1/4" Tube Fitting	5) He Leak Cert. (Outboard)
	0-500 PSIG	(1000 psi/70 bar)	346	660	E) 1/8" Tube Fitting	
			350	705	F) Single Regulator Alarm	
			000 (1/4" FNPT)		G) SG 910 SS Regulator	
		001 (1/4" MNPT)		Mounting Station		

HP 742 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 @ 350 PSIG INLET ······
 250 @ 2000 PSIG INLET - - - - -
 500 @ 600 PSIG INLET - - - - -
 500 @ 2000 PSIG INLET ———

SPECIFICATIONS

- ▶ C_v : .06
- ▶ Pressure Regulation: .05 PSIG/100 PSIG
- ▶ Weight: 4.43 Lbs.

DIMENSIONS

