

■ HP 742 High Purity – Stainless Steel Barstock



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 analyzers gases
- Gas chromatography gases
- EPA protocol mixer gases
- Laser gas systems
- Emission monitoring systems gases

Recommended for corrosive gases or purity levels of Grade 6.0 (99.9999) and higher.

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 S.S. – 10 Micron
Seat Return Spring	316L Stainless Steel
Adjusting Knob	ABS 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 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
- Front panel mountable

Related Options

Captured Vent Kit P/N: 9100875

Front Panel Mount Kit P/N: 9100871

ORDERING INFORMATION

HP _ _ _ _ _ xxx - xxx - xx - xxxxx

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