

HP 742

High purity – stainless steel barstock regulator

Model HP 742 is a two stage stainless steel cylinder regulator for constant delivery pressure from full to near empty cylinder conditions.

APPLICATIONS:

- 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

FEATURES:

- Recommended for corrosive gases or purity levels of grade 6.0 (99.9999) and higher
- 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
- 1×10^{-9} mbar l/s He inboard helium leak rate to maintain gas purity levels
- The 1/8" NPT thread on the bonnet venting for safety
- Maximum inlet pressure 210 bar (3000 psig)

TECHNICAL DATA:

Type	Two-stage
Purity	6.0 and higher
Inlet pressure	Max. 210 bar (3000 psig)
Outlet pressure	0-1/3,5/8,5/17/35 bar (15/50/125/250/500 psig)
Flow capacity	Cv = 0,06
Oxygen use	Suitable

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

SPECIFICATIONS:

Inlet / outlet ports	1/4" FNPT
Weight	2,01 kg

* Teflon® is a registered trademark of The Chemours Company



Model shown with additional accessories to be ordered separately

