

## HP 741

### High purity – stainless steel barstock regulator

Model HP 741 is a single stage stainless steel cylinder regulator for applications where a slight rise in delivery pressure from full to empty cylinder can be tolerated.

#### 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
- $1 \times 10^{-9}$  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	Single 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 = 0,08
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	1,32 kg

\* Teflon® is a registered trademark of The Chemours Company



Model shown with additional accessories to be ordered separately

#### RELATED OPTIONS:

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



