TECNOCRYO

PRESSURE REGULATORS FOR NON-CORROSIVE GASES

Cylinder regulators

PURE GASES

LHPI 721-741

HIGH PURITY SINGLE STAGE BARSTOCK REGULATOR

Model HPI 721-741 is a single stage cylinder regulator available in chrome plated brass (HPI 721C) or stainless steel (HPI 741S) barstock for pressure control of non-corrosive gases. Designed for applications where a slight rise in delivery pressure from full to empty cylinder can be tolerated.

APPLICATIONS:

- High purity gas applications;
- Research sample systems gases;
- Gas chromatography;
- Calibration gas;
- Process analyzer gases;
- Emission monitoring systems.

FEATURES:

- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999);
- Metal steel diaphragm eliminates contamination from diffusion or outgassing;
- HPI 721C - chrome plated body, bonnet and fittings;
- HPI 741S - 316L stainless steel body, bonnet and fittings;
- 1x10-9 mbar l/s He inboard helium leak rate to maintain gas purity levels;
- 6 ports flexible configuration, 3 high pressure and 3 low pressure;
- The 1/8" NPT thread on the bonnet venting for safety in 316L SS version;
- Maximum inlet pressure 300 bar (4350 psig);
- Tested for use with oxygen.

MATERIALS

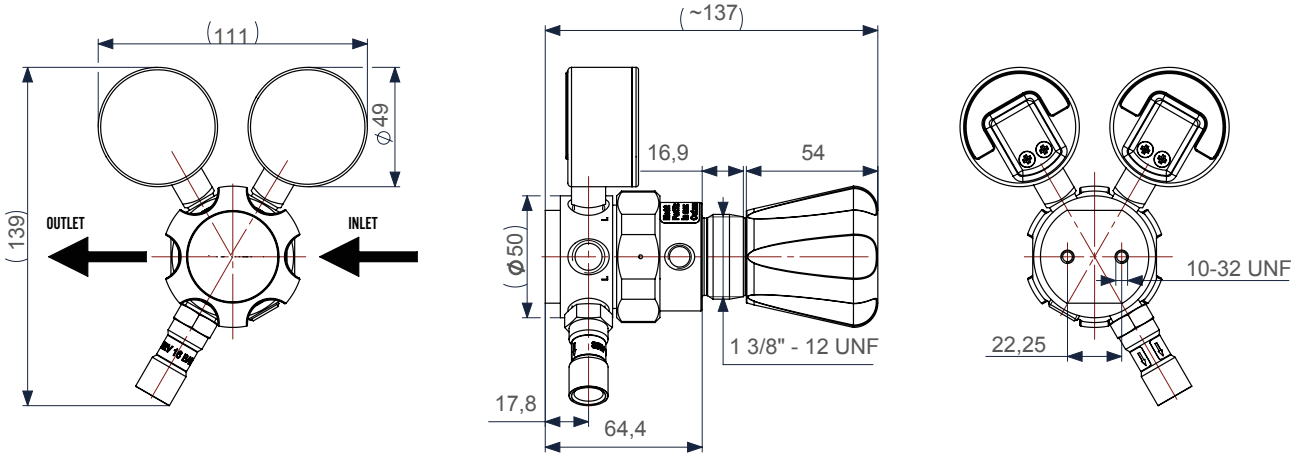
Body, bonnet	316L stainless steel barstock or chrome plated brass barstock
Diaphragm	Hastelloy® * C276
Nozzle	316L stainless steel
Seat	PTFE Teflon®
Seals O-ring	PTFE Teflon
Filter	SS 316L
Adjusting Knob	ABS plastic

*Hastelloy® is a registered trademark name of Haynes International, Inc

TECHNICAL DATA

Type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 300 bar (4350 psi)
Outlet pressure	0-1; 0-2; 0-4; 0-10; 0-20; 0-34 bar (15/29/58/145/290/500 psi)
Flow capacity	Cv = 0,07
Oxygen use	Suitable

Cylinder regulators



SPECIFICATION

Inlet connection	to bottle according UNI standard (other standards on request) - 1/4" NPT-F 1/4" BSP-F
Outlet connection	1/4" NPT-F Optional 1/4" BSP-F
Weight	1,3 kg
Temperature range	-30°C to +74°C

FLOW CHART