TECNOCRYO

PRESSURE REGULATORS FOR NON-CORROSIVE GASES

In-line regulators

PURE GASES

LHPI 300L

HIGH PURITY AND HIGH FLOW-SINGLE STAGE BARSTOCK LINE REGULATOR

Model LHPI 300L is in-line manifold regulator available in chrome plated brass (LHPI 300LC) or stainless steel (LHPI 300LS) barstock, for pipeline and other applications of non-corrosive gases up to 100 bar (1450 psig) inlet pressure.

APPLICATIONS:

- Non-corrosive high flow gas applications;
- High purity gas applications;
- Bulk gas distribution systems;
- Laser gas systems;
- Process analyzer gases;
- Research sample systems gases;
- Petrochemical industry;
- Emission monitoring systems.

FEATURES:

- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999) and delivery pressures up to 50 bar (725 psig);
- Metal steel diaphragm eliminates contamination from diffusion or outgassing;
- LHPI 300LC - chrome plated body, bonnet and fittings;
- LHPI 300LS - 316L stainless steel body, bonnet and fittings;
- 1x10-9 mbar l/s He inboard helium leak rate to maintain gas purity levels;
- The 1/8" NPT thread on the bonnet venting for safety in 316L SS version;
- Maximum inlet pressure 100 bar (1450 psig);
- Tested for use with oxygen.

MATERIALS

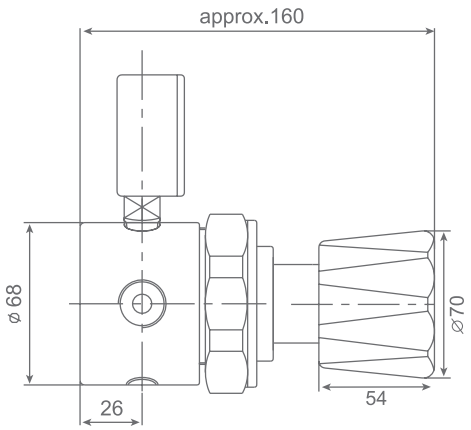
Body, bonnet	316L stainless steel barstock or chrome plated brass barstock
Diaphragm	Hastelloy® * C276
Nozzle	316L stainless steel
Seat	PEEK
Seals O-ring	Viton® ** (FKM)
Filter	SS 316L
Adjusting Knob	ABS plastic

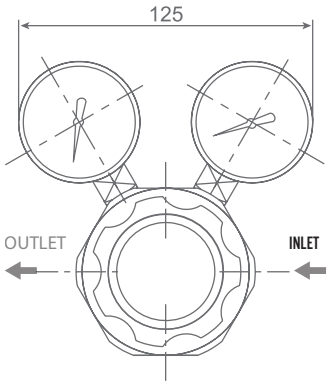
*Hastelloy® is a registered trademark name of Haynes International, Inc
** Viton® is a registered trademark of The Chemours Company

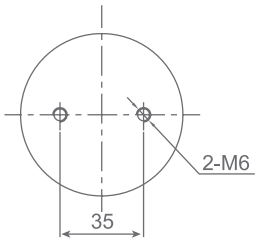
TECHNICAL DATA

Type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 100 bar (1450 psi)
Outlet pressure	2/4/10/20/35/50 bar (29/58/290/500/720 psi)
Flow capacity	Cv = 1,7
Oxygen use	Suitable

Cylinder regulators

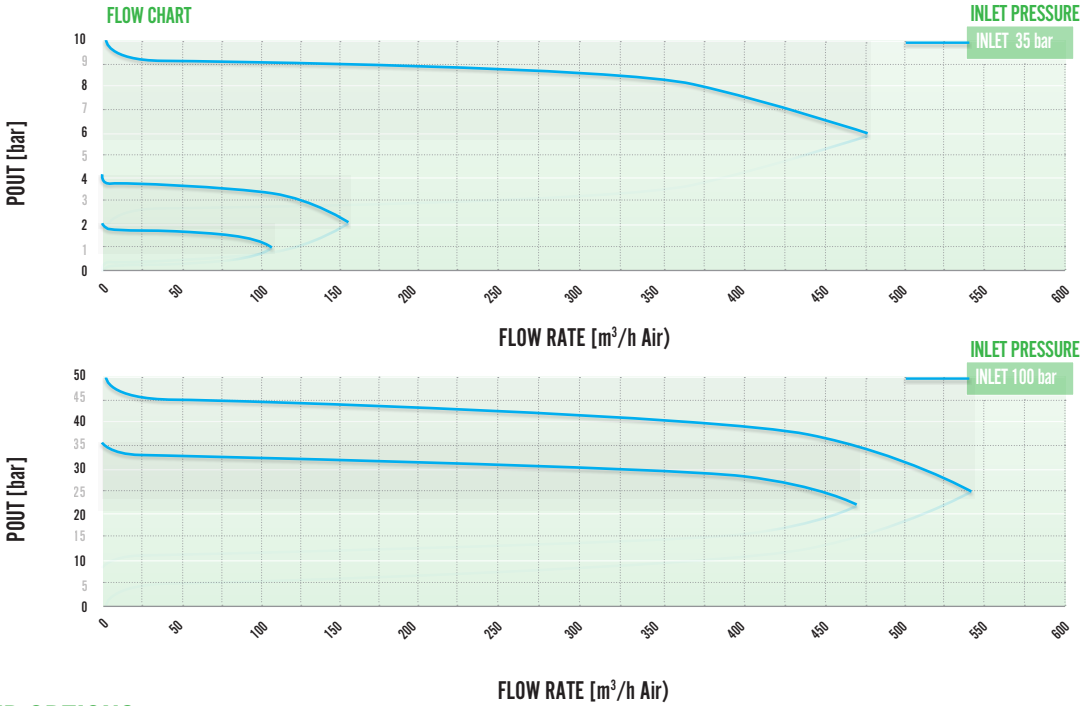






SPECIFICATION

Inlet / outlet ports	1/2" NPT-F
Outlet port	1/4" NPT-F
Weight	2,8 kg
Temperature range	-30°C to +74°C



RELATED OPTIONS:

Wall mounting bracket: HPI-L-BPB