

PRESSURE REGULATORS FOR NON-CORROSIVE GASES

Cylinder regulators

LHPI 300

HIGH PURITY AND HIGH FLOW - SINGLE STAGE BARSTOCK CYLINDER REGULATOR

Model LHPI 300 is cylinder regulator available in chrome plated brass (LHPI 300C) or stainless steel (LHPI 300S) barstock for non-corrosive gases up to 300 bar (4350 psig) inlet pressure.

APPLICATIONS:

- Non-corrosive high flow gas applications;
- Research sample systems gases;
- Petrochemical industry;
- Process analyzer gases;
- Emission monitoring systems.

FEATURES:

- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999) and delivery pressures up to 35 bar (508 psig);
- Metal steel diaphragm eliminates contamination from diffusion or outgassing;
- LHPI 300C - chrome plated body, bonnet and fittings;
- LHPI 300S - 316L stainless steel body, bonnet and fittings;
- 1×10^{-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	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

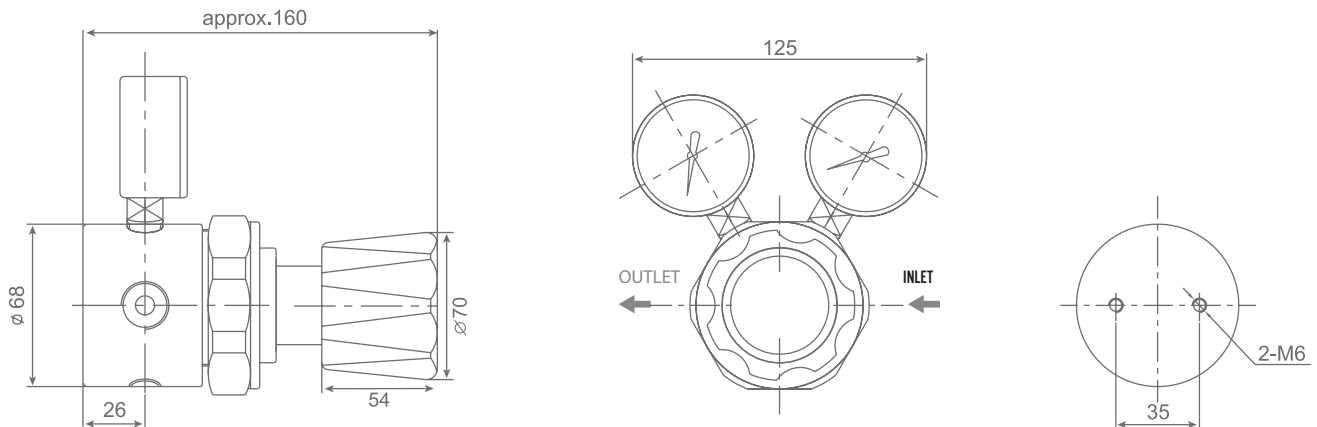
Type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 300 bar (4350 psi)
Outlet pressure	2/4/10/20/35 bar (29/58/145/290/508 psi)
Flow capacity	Cv = 1,0
Oxygen use	Suitable

PURE
GASES



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SPECIFICATION

Inlet connection	to bottle according UNI standard (other standards on request)
Outlet port	1/2" NPT-F
Gauges/Relief valve port	1/4" NPT-F
Weight	2,7 kg
Temperature range	-30°C to +74°C

