

## PRESSURE REGULATORS FOR NON-CORROSIVE GASES

In-line regulators

### LHPI 723-743

#### HIGH PURITY SINGLE STAGE BARSTOCK REGULATOR

Model LHPI 723-743 is a line regulator available in chrome plated brass (LHPI 743) or stainless steel (LHPI 723) barstock, for pipeline and other applications up to 40 bar (580 psig) inlet pressure.

#### 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;
- LHPI 743 - chrome plated body, bonnet and fittings;
- LHPI 723 - 316L stainless steel body, bonnet and fittings;
- $1 \times 10^{-9}$  mbar l/s He inboard helium leak rate to maintain gas purity levels;
- 4 ports flexible configuration;
- The 1/8" NPT thread on the bonnet venting for safety in 316L SS version;
- Maximum inlet pressure 40 bar (580 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

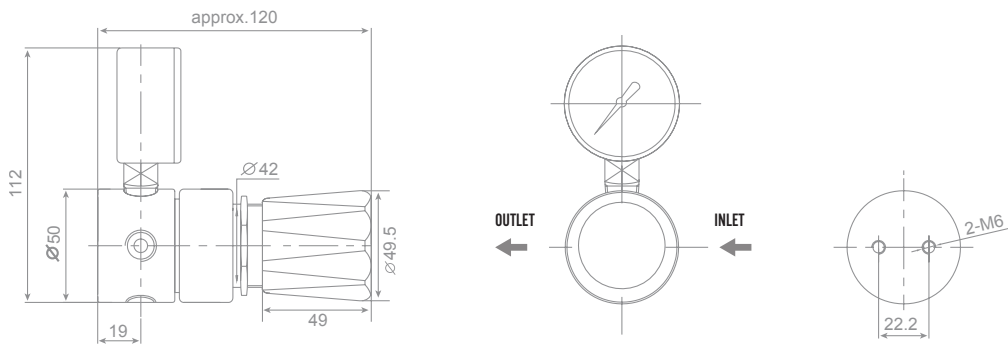
\*\* Viton® is a registered trademark of The Chemours Company

#### TECHNICAL DATA

Type	Two-stage regulator
Purity	Up to 6.0
Inlet pressure	Max. 40 bar (580 psi)
Outlet pressure	2/4/10/20 bar (29/58/145/290 psi)
Flow capacity	Cv = 0,18
Oxygen use	Suitable

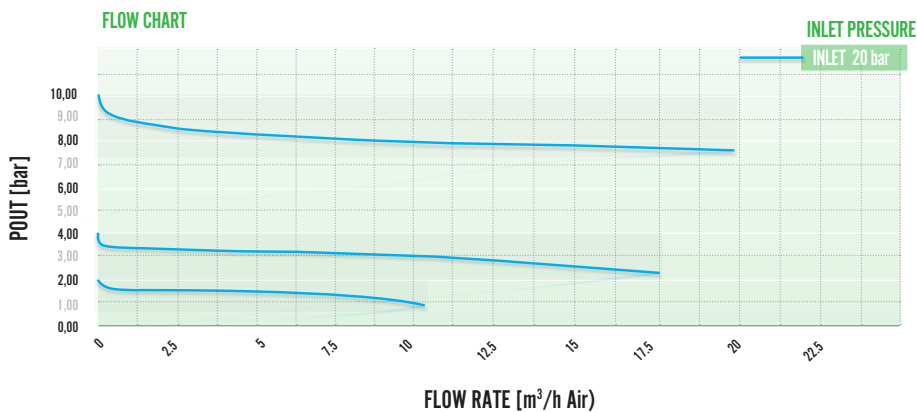
PURE  
GASES





### SPECIFICATION

Inlet / outlet ports	1/4" NPT-F -OPTIONAL 1/4" BSPF
Weight	1,04 kg
Temperature range	-30°C to +74°C



### RELATED OPTIONS:

Wall mounting bracket: HPI-L-BPB

