

POINT OF USE SYSTEMS

GAS PURITY



LHPI 101TP | HIGH PURITY - WALL MOUNTED POINT OF USE COMPACT VERSION

Model HPI 101TP is a wall mounted point of use regulator available in chrome plated brass (HPI 100TPC) or stainless steel (HPI 100TPS) barstock for pressure control of non-corrosive gases.

APPLICATIONS:

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

FEATURES:

- Wall mounting panel and brackets included;
- Ready to install wall mounting panel, modular design;
- Ergonomic, slim design;
- 1 inlet port available configuration – top is standard;
- 3 outlet port possible configuration – on request;
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing;
- Diaphragm inlet and outlet shut-off valves;
- HPI 100TPC - chrome plated body, bonnet and fittings;
- HPI 100TPS - 316L stainless steel body, bonnet and fittings;
- 1×10^{-9} mbar l/s He inboard helium leak rate to maintain gas purity levels;
- Inlet / outlet - 1/4" FNPT;
- 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 (regulator)	Hastelloy® * C276
Diaphragm (valve)	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

Regulator type	HCI 100L single stage
Purity	Up to 6.0
Inlet pressure	Max. 40 bar (580 psi)
Outlet pressure	2/4/10 bar (29/58/145 psi) 20 bar (290 psi)
Flow capacity	$C_v = 0,07$
Oxygen use	Suitable

