

## POINT OF USE SYSTEMS

GAS PURITY



## LHPI 100TP | HIGH PURITY - WALL MOUNTED POINT OF USE

Model HPI 100TP 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:

- Recommended for non-corrosive gases purity levels up to grade 6.0 (99.9999);
- Wall mounting panel and brackets included;
- Ready to install wall mounting panel, modular design;
- Based on HCI 100L regulator;
- 3 inlet port available configuration – top is standard;
- 316L stainless steel diaphragm eliminates contamination from diffusion or outgassing;
- Diaphragm inlet shut-off valves;
- Modular design;
- HPI 100TPC - chrome plated body, bonnet and fittings;
- HPI 100TPS - 316L stainless steel body, bonnet and fittings;
- $1 \times 10^{-9}$  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

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

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

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

### TECHNICAL DATA

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

