

POINT OF USE SYSTEMS



LHPI 400TP | HIGH PURITY - PLATE MOUNTED POINT OF USE

Model HPI 400TP is a plate mounted point of use regulator available in chrome plated brass (HPI 400TPC) or stainless steel (HPI 400TPS) 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);
- Ready to install plate mounting panel, modular design;
- 1 inlet port configuration - back inlet;
- 1 outlet port configuration - bottom;
- Metal steel diaphragm eliminates contamination from diffusion or outgassing;
- Diaphragm inlet 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 60 bar (870 psig);
- Tested for use with oxygen.

MATERIALS

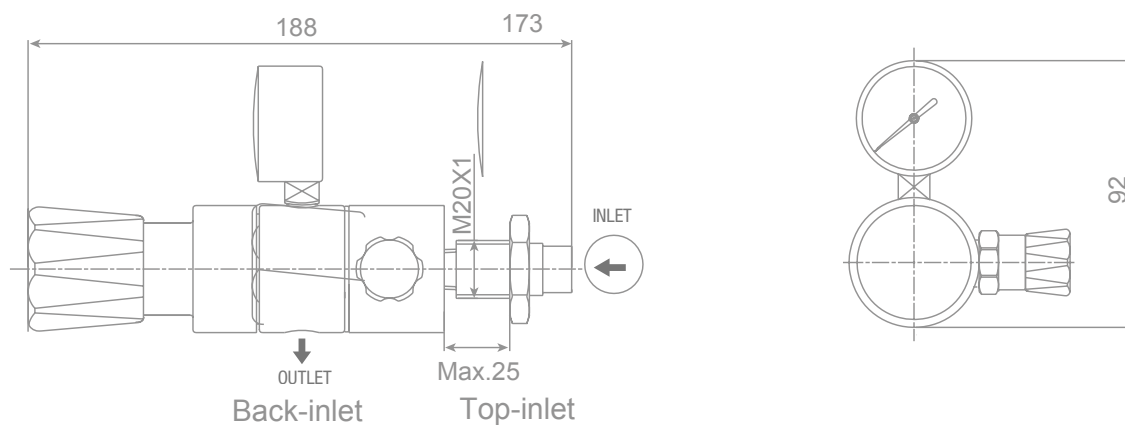
Body, bonnet	316L stainless steel barstock or chrome plated brass barstock
Diaphragm (regulator)	Hastelloy® * C276
Diaphragm (valve)	Hastelloy®*C276
Nozzle	316L stainless steel
Seat	PEEK
Seals O-ring	Viton®**(FKM)
Filter	SS 316L
Adjusting Knob	ABS plastic

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

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

TECHNICAL DATA

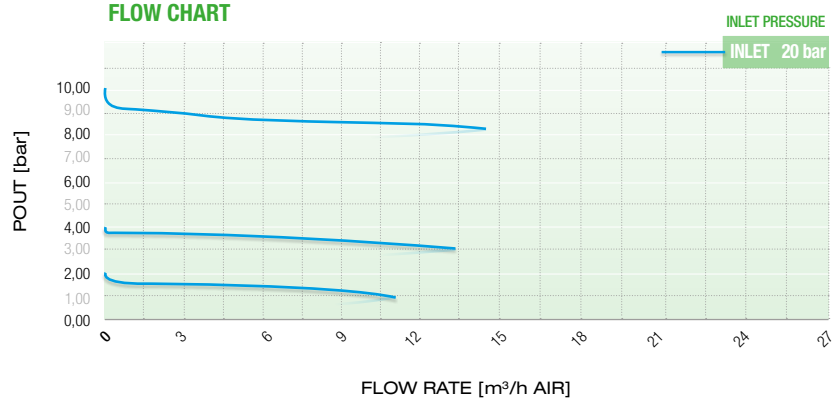
Regulator type	HCI 100L single stage
Purity	Up to 6.0
Inlet pressure	Max. 60 bar (870 psi)
Outlet pressure	2/4/10 bar (29/58/145 psi) 20 bar (290 psi)
Flow capacity	$C_v = 0,12$
Oxygen use	Suitable



SPECIFICATION

Inlet / outlet ports	1/4" NPT-F
Weight	0,8 kg
Temperature range	-30°C to +74°C

FLOW CHART



NOTE