

GAS SUPPLY PANELS

GAS PURITY



LHPi 100P | HIGH PURITY – ONE SIDE SUPPLY PANEL

The HPI 100P is a high purity gas supply panel. Manual adjustment of the regulator allow set a pressure. System include purge function. Designed for applications where a slight rise in delivery pressure from full to empty cylinder can be tolerated or as first stage of pressure reduction.

APPLICATIONS:

- Laboratory pressure control;
- Research sample systems gases;
- Component testing;
- Petrochemical industry;
- Emission monitoring systems;
- Controlled atmosphere;
- Service & test equipment.

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;
- Metal steel diaphragm eliminates contamination from diffusion or outgassing;
- Purge function and diaphragm shut-off valves for the best results;
- Possible to connect 2 gas cylinders or gas cylinder and a gas for purging operation;
- HPI 100PC - chrome plated body, bonnet and fittings;
- HPI 100PS - 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 300 bar (4350 psig);
- External relief valve standard;
- Tested for use with oxygen.

MATERIALS

Body, bonnet	316L stainless steel barstock LHPi 100PS or chrome plated brass barstock LHPi 100PC
Diaphragm (regulator)	Hastelloy® * C276
Diaphragm (valve)	Elgiloy®**
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

** Elgiloy® a registered trademark of Elgiloy Specialty Metals

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

TECHNICAL DATA

Panel type	One side
Regulator type	Single stage
Purity	Up to 6.0
Inlet pressure	Max. 300 bar (4350 psi)
Outlet pressure	2/4/10/20 bar (29/58/145/290 psi) 50/100/200 bar (720/1450/2900 psig)
Purge function	Yes
Oxygen use	Suitable

