

## GAS SUPPLY PANELS

GAS PURITY



## LHPi 100PB | HIGH PURITY GENERATOR BACK-UP PANEL

Model LHPi 100PB provides a continuous backup supply of gas in case of generator failure or loss of power. The system automatically switches to a backup cylinder of gas when the generator supply pressure drops below a preset value. The process will automatically reverse when the gas supplied by the generator returns to a normal level.

### APPLICATIONS:

- Back-up for gas generator;
- Laboratory pressure control;
- Research sample systems gases.

### FEATURES:

- Ready to install wall mounting panel;
- Wall mounting panel and brackets included;
- Includes 1000 mm flexible pigtail;
- 1/4 turn isolation shut off valves included;
- 1/4" FNPT outlet connection;
- 1/4" FNPT inlet connection with reverse flow check valve;
- Inlet / outlet tube fittings on request;
- Maximum inlet pressure 300 bar (4350 psig);
- Available for air, nitrogen or hydrogen gas service.

### MATERIALS

<b>Body, bonnet</b>	Chrome plated brass barstock
<b>Diaphragm (regulator)</b>	Hastelloy® * C276
<b>Diaphragm (valve)</b>	Elgiloy®**
<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

\*\* Elgiloy® a registered trademark of Elgiloy Specialty Metals

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

### TECHNICAL DATA

<b>Regulator type</b>	Single stage
<b>Purity</b>	Up to 6.0
<b>Inlet pressure</b>	Max. 300 bar (4350 psi)
<b>Outlet pressure</b>	10 bar (145 psi)
<b>Flow capacity</b>	Cv = 0,08
<b>Purge function</b>	Yes
<b>Oxygen use</b>	Suitable

