

HPac

HPac is a high efficiency proton-exchange membrane (PEM) electrolyser.

■ **HPac**

Producing 10 slpm of H₂ at a pressure of 15 bar and 99.99% purity.

HPac has been designed to supply hydrogen to compression systems for energy storage, to fuel cells or engines, and to small industrial processes. It's standard gas production rate is approximately one order of magnitude greater than ITM's HLab and HBox products.

HPac is based on a solid polymer electrolyte that enables the oxygen side of the system to remain at atmospheric pressure, reducing complexity and cost. Simply plug HPac into supplies of water and electricity for an instant hydrogen solution.

HPac can be configured to meet a range of specifications of hydrogen pressure, purity and flow rate. For a non-standard HPac specification please contact ITM.

Key Features

- Simple to use
- Failsafe
- Quiet 24/7 operation
- High purity gas
- Flexible platform

A flexible mid-size hydrogen generator



Technical Specification	HPac
Hydrogen Flow Rate	10 slpm (21.2scfh) minimum
Hydrogen Pressure	15 bar (220 psi, 1.5MPa)
Hydrogen Purity	99.99%
Atmospheric Dew Point	-60°C
Oxygen Flow Rate	50% of H ₂ flow
Oxygen Pressure	Ambient
System Efficiency	6.0kWh/Nm ³
Electrical Power Supply	230/220V AC 50/60Hz
Power Rating	3.75kW
DI Water Requirement	Deionised (ASTM Type 2). Autofill pressure 10psi min
Dimensions (H x W x D)	860 x 865 x 700 mm
Operating Conditions	Indoors well ventilated
Ambient Temperature	5 – 35°C (41 – 95°F)
User Interface	Push button with LCD screen

HPac can be configured to provide different options. These include (i) gas pressure, (ii) purity, (iii) flow rate, and (iv) input water cleaning to enable use of mains potable water.

All values are for reference only and are subject to change.



Product Range (left-right): HCore, HLab 600, HLab 1000, HBox 1000, HBox 3000, HFlame, HPac