

Apex Hydrogen Generators

Our range of high purity Hydrogen Generators that provide flexibility and outputs of up to 0.65L/min

Overview

Utilising Polymer Electrolyte Membrane (PEM) technology our Hydrogen generators provide ideal performance, efficiency and reliability. High purity Hydrogen is delivered as required. The small size of the generator allows it to be easily accommodated on top of a workbench

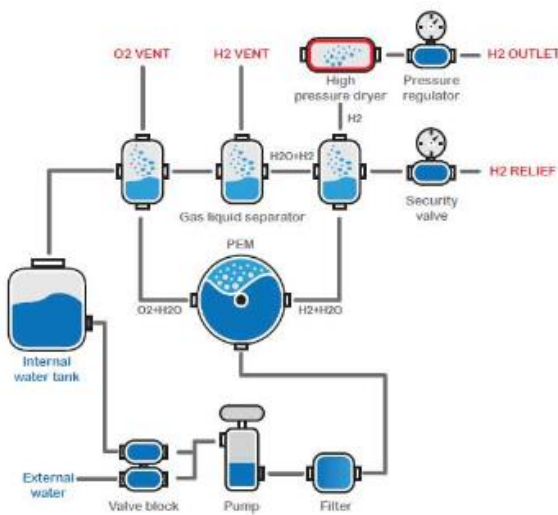
Our Hydrogen generators provide flexibility to match your system requirements. Each system can deliver a variety of flow rates and pressures to suit your specifications.

Features and benefits

- Flow Rates of up to 650cc/min
- Hydrogen Purity of > 99.9995%
- LCD Touch Screen
- PEM technology
- Output Pressure 1 to 10 barg (14.5 to 145 psig)
- Easy Installation
- Simple maintenance
- Automatic Water refill

How it works

Deionised or distilled water is pumped into a polymer electrolyte membrane (PEM) cell. Within the PEM cell Electrolytic Disassociation splits the water into Hydrogen and Oxygen. The Oxygen is vented safely from the system whilst the Hydrogen proceeds through the system. After passing through a gas/liquid separator the hydrogen gas enters a desiccant chamber to remove the last traces of water from the gas. The hydrogen then passes to the application via a pressure regulator.



Technical specifications

Model	ND-H2-120	ND-H2-180	ND-H2-260	ND-H2-400	ND-H2-500	ND-H2-650
H2 Flow rate (cc/min)	120	180	260	400	500	650
H2 Purity (%)	> 99.9995%					
H2 Output pressure	1 to 10 barg (14.5 to 145 psig)					
Internal water tank	2.3 litres with automatic refill					
Required Water Quality	Deionised or distilled > 10MΩ					
Depth (mm/inch)	430 / 17					
Height (mm/inch)	430 / 17					
Width (mm/inch)	300 / 12					
Power consumption	200W to 800W depending on model					
Connection ports	½" Swagelock					

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