

ONSITE HYDROGEN PRODUCTION

ALKALINE ELECTROLYSER MODEL 1.00 / 2.00



PRODUCTION CAPACITY

Model 1.00 – 0.66 Nm³ hydrogen per. hour

Model 2.00 – 1.33 Nm³ hydrogen per. hour

Units can be connected to increase capacity

MAIN FEATURES & OPTIONS

- Water purification system
- Electrolyser system
- Hydrogen purification system
- Hydrogen compression & buffer storage
- Remote surveillance system
- Integrated in complete turn-key solution
- Full service package

TECHNOLOGY & SYSTEM LAYOUT

Hydrogen is produced through perfectly alkaline electrolytic dissociation of water into hydrogen and oxygen gases by use of electricity.



TECHNICAL SPECIFICATIONS

	MODEL NO 1.00	MODEL NO. 2.00
Hydrogen Production	0.66 Nm ³ /hour	1.33 Nm ³ /hour
Electricity consumption / supply	3.6 kW /hour @ 3x400VAC 50Hz	7.2 kW /hour @ 3x400VAC 50Hz
Deionised water consumption	0.6 litre/hour	1.2 litre/hour
Hydrogen purity	STANDARD: 99.3-99.8 OPTIONAL: up to 99.9995%	STANDARD: 99.3-99.8% OPTIONAL: up to 99.9995%
Outlet gas dew point	STANDARD: Saturated at ambient temp. OPTIONAL: down to -80°C	STANDARD: Saturated at ambient temp. OPTIONAL: down to -80°C
Outlet gas Pressure	STANDARD: 4 bar OPTIONAL: up to 12 bar	STANDARD: 4 bar OPTIONAL: up to 12 bar
Environment temp.	5-35°C	5-35°C
Dimensions (Length X Depth X Height)	750 mm X 750 mm X 1460 mm	750 mm X 750 mm X 1460 mm
Weight	180 kg	200 Kg
Other/options	CE approved with full documentation	
	Optional parallel connection of several units to increase production capacity	
	Optional remote surveillance control system through Internet	
	Optional full service contract	
	Optional compression & buffer storage allowing for flexible supply independent from production	
	Optional purchase of green electricity to eliminate CO2 emissions from the production process	

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Hydrogen Fuel Cell Motive Power Solutions