

ONSITE HYDROGEN PRODUCTION

ALKALINE ELECTROLYSER MODEL 13.00D / 16.00D



PRODUCTION CAPACITY

Model 13.00D – 8.66 Nm³ hydrogen per. hour
 Model 16.00D – 10.66 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 13.00D	MODEL NO. 16.00D
Hydrogen Production	8.66 Nm ³ /hour	10.66 Nm ³ /hour
Electricity consumption / supply	49.5 kW /hour @ 3x400VAC 50Hz	61 kW /hour @ 3x400VAC 50Hz
Deionised water consumption	7.4 litre/hour	9.0 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 2000 mm X 2000 mm	750 mm X 2000 mm X 2000 mm
Weight	1790 kg	1940 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 CO ₂ emissions from the production process	

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Hydrogen Fuel Cell Motive Power Solutions