

# ONSITE HYDROGEN PRODUCTION

## ALKALINE ELECTROLYSER MODEL 4.00 / 6.00



### PRODUCTION CAPACITY

Model 4.00 – 2.66 Nm<sup>3</sup> hydrogen per. hour

Model 6.00 – 4.0 Nm<sup>3</sup> 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 4.00	MODEL NO. 6.00
Hydrogen Production	2.66 Nm <sup>3</sup> /hour	4.0 Nm <sup>3</sup> /hour
Electricity consumption / supply	15 kW /hour @ 3x400VAC 50Hz	22.3 kW /hour @ 3x400VAC 50Hz
Deionised water consumption	2.3 litre/hour	3.4 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)	800 mm X 1650 mm X 1050 mm	800 mm X 1650 mm X 1050 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 CO <sub>2</sub> emissions from the production process	

**H2 LOGIC A/S**

INDUSTRI-PARKEN 34 | 7400 HERNING | DENMARK

PHONE: +45 96 27 56 00 | FAX: +45 97 14 08 99

E-MAIL: [INFO@H2LOGIC.COM](mailto:INFO@H2LOGIC.COM) | WEB: [WWW.H2LOGIC.COM](http://WWW.H2LOGIC.COM)

© COPYRIGHT, ALL RIGHTS RESERVED H2 LOGIC A/S 2003-2009. Any information may be changed without notice.



**H2 Logic**

*Hydrogen Fuel Cell Motive Power Solutions*