

# McPhy

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clean energy  
forward

## Green and Safe Hydrogen Solutions



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**M**

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# Hydrogen generator

## Technical specifications

Model	3.6	5.1	6.6
Working Pressure	2,0 barg		
Max. Hydrogen Production Rate	2,4 Nm <sup>3</sup> /h	3,4 Nm <sup>3</sup> /h	4,4 Nm <sup>3</sup> /h
Max. Oxygen Production Rate	1,2 Nm <sup>3</sup> /h	1,7 Nm <sup>3</sup> /h	2,2 Nm <sup>3</sup> /h
H <sub>2</sub> Purity (downstream electrolyser)	Up to 99,5 ± 0,3 % (dry basis) (H <sub>2</sub> O saturated at the temperature of delivery, < 5 000 ppm O <sub>2</sub> at full load) Higher purity can be achieved with loose accessories		
Range of Room Temperature	+5 °C < T < +35 °C		
Electrolyte	20 % NaOH		
Approx. Electrolyte Quantity	35 L		
Demineralized Water Consumption	< 1 L/Nm <sup>3</sup> of H <sub>2</sub>		

## Power supply

Model	3.6	5.1	6.6
Voltage	3 x 400 V AC ± 5 %		
Phases	3P + N + PE		
Frequency	50 Hz ± 1 %		
Expected consumption at max load	14 kW	20 kW	26 kW

## Cooling System

Gas Cooling System	Air Heat Exchanger
Electrolyte Cooling System	Air Heat Exchanger

## Mass & Size

Dimensions (L x W x H)	100 cm x 90 cm x 177,5 cm
Weight	600 kg
Number of Cell Stacks	2

## Certifications

CE : PED, EMC, Machinery

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