

# McPhy

Driving  
clean energy  
forward

## Green and Safe Hydrogen Solutions



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# H

Reliable, Flexible, Proven

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# Hydrogen generator

## Technical specifications

Model	H 15	H 12	H Quindicimila	H Dodicimila
Working Pressure	8 barg		4 barg	
Max. Hydrogen Production Rate	10 Nm <sup>3</sup> /h	8 Nm <sup>3</sup> /h	10 Nm <sup>3</sup> /h	8 Nm <sup>3</sup> /h
Max. Oxygen Production Rate	5 Nm <sup>3</sup> /h	4 Nm <sup>3</sup> /h	5 Nm <sup>3</sup> /h	4 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	80 L			
Demineralized Water Consumption	< 1 L/Nm <sup>3</sup> of H <sub>2</sub>			

## Power supply

Model	H 15	H 12	H Quindicimila	H Dodicimila
Voltage	3 x 400 V AC ± 5 %			
Phases	3P + N + PE			
Frequency	50 Hz ± 1 %			
Expected consumption at max load	60 kW	48 kW	60 kW	48kW

## Cooling System

Gas Cooling System	Air Heat Exchanger
Electrolyte Cooling System	Water Cooled-Optional External Dry Cooler

## Mass & Size

Dimensions (L x W x H)	127x127x192 cm.
Weight	980 Kg
Number of Cell Stacks	2

## Certifications

CE : PED, EMC, Machinery

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