

ON-SITE 99.99999% PURITY HYDROGEN GENERATORS

HYDROVOLT
ENERGY

Hydrovolt Energy is proud to offer ErreDue's PEM (Proton Exchange Membrane) Technology-based Hydrogen generators.

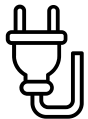
With 30+ years of experience in the gas industry, ErreDue's generators are designed and manufactured in Italy to deliver ultra-high purity Hydrogen gas.



Ultra High Purity Hydrogen
up to 99.99999%



High Output Pressure
15 barg (30 barg optional)



Plug and Play
Easy setup, instant H₂ output



Low Electricity Consumption
4.6 kWh/Nm³



Low Maintenance
Minimal upkeep required



Remote Monitoring Ready
Smart monitoring capabilities



Get in Touch

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Mars Box and Sirio PEM electrolyzers are designed specifically for the high-purity hydrogen needs of the CVD industry. These systems ensure consistent, ultra-pure hydrogen production with compact design, high efficiency, and reliable performance.

	MARS BOX	SIRIO
Hydrogen Production	1200 - 3600 ml/min	0.5 - 20 Nm³/hr
Power Consumption	610 W - 1610 W	2.3 kW - 92 kW
Hydrogen Purity	up to 99.99999%*	
O ₂ content in H ₂	< 1 ppm	
N ₂ content in H ₂	< 1 ppm	
H ₂ O content in H ₂	≤ -85 °C Dew Point	
Output Pressure	10 barg 15 barg (optional)	15 barg 30 barg (optional)
Ambient Temperature	5 °C – 40 °C	
Input Water Quality (Conductivity)	< 2 µS/cm	
Technology	Proton Exchange Membrane (PEM)	

*[O₂] in H₂

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