



# PURITY



## PURE HYDROGEN GENERATOR

for heat treatments and biomethanation  
*per trattamenti termici e biometanazione*

  TECHNOLOGY  
BY ERREDUE



• **Absolute Purity of the Gas**  
*Purezza assoluta del Gas*

• **Easy to use**  
*Facile da usare*

• **Low Consumption**  
*Basso consumo*

• **Plug & Play System**  
*Sistema Plug & Play*

• **No maintenance**  
*Nessuna manutenzione*

• **One unit, no auxiliaries**  
*Una unità, niente ausiliari*





# PURE HYDROGEN GENERATOR



## MODELS AVAILABLE

The new Sirio on-site hydrogen generator, thanks to the very high levels of purity guaranteed by the ErreDue's PEM (Proton Exchange Membrane) technology, perfectly meets the needs of those applications where a moderate amount of pure and compressed gas is required, such as metal heat treatment and Biomethane production processes.

Sirio is Plug & Play: thanks to its simplicity of use and its autonomy, it is sufficient to connect it to an electrical power source and fill the tank with water to immediately produce pure hydrogen at the necessary pressure and flow rate. In fact, it does not require any auxiliary system: the unit includes a generator, the water tank and a purification system for the produced gas.

The hydrogen flow rate starts from 0.5 m<sup>3</sup>/h up to 2 m<sup>3</sup>/h, it's also possible to connect several systems in parallel. The maximum pressure generated reaches 15 bar in the standard models and is customizable up to 30 bar on request.


Sirio ErreDue hydrogen generators can be monitored and managed remotely thanks to the integrated connectivity and ErreDue's remote assistance service.

	SIRIO 50	SIRIO 75	SIRIO 100	SIRIO 125	SIRIO 150	SIRIO 175	SIRIO 200
<b>GAS FLOW RATE</b>	0.5 (Nm <sup>3</sup> /h)	0.75 (Nm <sup>3</sup> /h)	1 (Nm <sup>3</sup> /h)	1.25 (Nm <sup>3</sup> /h)	1.5 (Nm <sup>3</sup> /h)	1.75 (Nm <sup>3</sup> /h)	2 (Nm <sup>3</sup> /h)
<b>GAS PURITY "N" VERSION</b>	99.99%						
<b>GAS PURITY "D" VERSION</b>	99.999%						
<b>GAS DEW POINT "N" VERSION</b>	≤-15°C						
<b>GAS DEW POINT "D" VERSION</b>	≤-50°C						
<b>WORK PRESSURE</b>	15 bar (optional 30 bar)						
<b>AVERAGE ELECTRIC CONSUMPTION</b>	4.8kW/m <sup>3</sup>						
<b>POWER SUPPLY</b>	3x400Vac+N - 50/60Hz						
<b>WATER CONSUMPTION AT MAXIMUM POWER</b>	0.4 L/h	0.6 L/h	0.8 L/h	1 L/h	1.2 L/h	1.4 L/h	1.6 L/h
<b>DIMENSIONS (L X W X H)</b>	700 x 830 x 1700 (mm)						
<b>GAS CONNECTION</b>	¼" gas						
<b>NETWORK CONNECTION</b>	Ethernet - Modbus TCP/IP						
<b>WEIGHT</b>	300 Kg	305 Kg	310 Kg	340 Kg	345 Kg	350 Kg	355 Kg



# DON'T BUY GAS GENERATE IT!



 Sirio generators are entirely designed and manufactured in Italy by:  
I generatori Sirio sono interamente progettati e fabbricati in Italia da:



ErreDue spa  
Via G. Gozzano, 3 - 57121 Livorno Italy  
Tel. +39 0586 444066  
Fax +39 0586 444212  
Email: info@erreduegas.it

[www.erreduegas.it](http://www.erreduegas.it)



Distribuito da / Distributed by:

**Universal Vacuum Technology**  
910 Pleasant Grove Blvd #120-248  
Roseville, CA 95678  
(510) 583-5624  
[info@universalvacuumtech.com](mailto:info@universalvacuumtech.com)  
[www.universalvacuumtech.com](http://www.universalvacuumtech.com)