



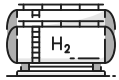
# HY-PEM ONE



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## MAIN FEATURES



Very high purity levels guaranteed by PEM (proton exchange membrane) technology

Hydrogen flow rate starts from 0.5 m3/h up to 2 m3/h, multiple systems can also be connected in parallel.



Plug & Play: Due to its ease of use and autonomy, simply connect it to a power source and fill the tank with water to be able to produce pure hydrogen immediately at the required pressure and flow rate.



The maximum pressure generated is up to 15 bar in catalog models and can be customized up to 30 bar upon request.

TECHNICAL PARAMETERS	Hy-Pem ONE 500 N	Hy-Pem ONE 500 UP	Hy-Pem ONE 750
Gas Range	0,5 Nm3/h	0,5 Nm3/h	0.75 (Nm3/h)
Gas Purity	99,999(9)%	99,999(9)%	99,999(9)%
Gas Dew Point	-25° C	-65° C	≤-50°C
Working Pressure	15 o 30 bar	15 o 30 bar	15 o 30 bar
Power absorbed by the Generator	4,2 – 4,5 KW	4,7 – 5,0 KW	nd
Average Electricity Consumption	4,8 KW/m3	4,8 KW/m3	4,8 KW/m3
Power Supply	3x400Vac+N - 50/60Hz	3x400Vac+N - 50/60Hz	3x400Vac+N - 50/60Hz
Electricity consumption at maximum power	0.4 l/h	0.4 l/h	0.6 l/h
Dimension	700 x 830 x 1700 (mm)	700 x 830 x 1700 (mm)	700 x 830 x 1700 (mm)
Gas Connection	1/4" gas	1/4" gas	1/4" gas
Network Connection	Ethernet - Modbus TCP/IP	Ethernet - Modbus TCP/IP	Ethernet - Modbus TCP/IP
Weight	300 Kgs	300 Kgs	305 Kgs

# Hy-Pem ONE



TECHNICAL PARAMETERS	Hy-Pem ONE 1000 N	Hy-Pem ONE 1000 UP	Hy-Pem ONE 1250 N
Gas Range	1 (Nm <sup>3</sup> /h)	1 (Nm <sup>3</sup> /h)	1,25 (Nm <sup>3</sup> /h)
Gas Purity	99,999(9)%	99,999(9)%	99,999(9)%
Gas Dew Point	-25° C	-65° C	-25° C
Working Pressure	15 o 30 bar	15 o 30 bar	15 o 30 bar
Power absorbed by the Generator	6,6 – 7,1 KW	7,1 – 7,7 KW	8,0 – 8,7 KW
Average Electricity Consumption	4,8 KW/m <sup>3</sup>	4,8 KW/m <sup>3</sup>	4,8 KW/m <sup>3</sup>
Power Supply	3x400Vac+N - 50/60Hz	3x400Vac+N - 50/60Hz	3x400Vac+N - 50/60Hz
Electricity consumption at maximum power	0.8 l/h	0.8 l/h	1 l/h
Dimension	700 x 830 x 1700 (mm)	700 x 830 x 1700 (mm)	700 x 830 x 1700 (mm)
Gas Connection	1/4" gas	1/4" gas	1/4" gas
Network Connection	Ethernet - Modbus TCP/IP	Ethernet - Modbus TCP/IP	Ethernet - Modbus TCP/IP
Weight	310 Kgs	310 Kgs	340 Kgs

TECHNICAL PARAMETERS	Hy-Pem ONE 1250 UP	Hy-Pem ONE 1500	Hy-Pem ONE 1750
Gas Range	1,25 (Nm <sup>3</sup> /h)	1,5 (Nm <sup>3</sup> /h)	1,75 (Nm <sup>3</sup> /h)
Gas Purity	99,999(9)%	99,999(9)%	99,999(9)%
Gas Dew Point	-65° C	≤ -50° C	≤ -50° C
Working Pressure	15 o 30 bar	15 o 30 bar	15 o 30 bar
Power absorbed by the Generator	8,5 – 9,1 KW	nd	nd
Average Electricity Consumption	4,8 KW/m <sup>3</sup>	4,8 KW/m <sup>3</sup>	4,8 KW/m <sup>3</sup>
Power Supply	3x400Vac+N - 50/60Hz	3x400Vac+N - 50/60Hz	3x400Vac+N - 50/60Hz
Electricity consumption at maximum power	1 l/h	1,2 l/h	1,4 l/h
Dimension	700 x 830 x 1700 (mm)	700 x 830 x 1700 (mm)	700 x 830 x 1700 (mm)
Gas Connection	1/4" gas	1/4" gas	1/4" gas
Network Connection	Ethernet - Modbus TCP/IP	Ethernet - Modbus TCP/IP	Ethernet - Modbus TCP/IP
Weight	340 Kgs	345 Kgs	350 Kgs

# Hy-Pem ONE



TECHNICAL PARAMETERS	Hy-Pem ONE 2000				
Gas Range	2,00 (Nm3/h)				
Gas Purity	99,999(9)%				
Gas Dew Point	≤ -50°C				
Working Pressure	15 o 30 bar				
Power absorbed by the Generator	nd				
Average Electricity Consumption	4,8 KW/m3				
Power Supply	3x400Vac+N - 50/60Hz				
Electricity consumption at maximum power	1.6 l/h				
Dimension	700 x 830 x 1700 (mm)				
Gas Connection	1/4" gas				
Network Connection	Ethernet - Modbus TCP/IP				
Weight	355 Kgs				