



Your Path to a Sustainable Future

Alkaline Electrolysers

P200 | P400



OWN STACK!



Alkaline Electrolysers for the Production of Green Hydrogen

Efficient, Durable and Sustainable: the EcoLyzer Model Series

- The alkaline electrolysis process is a well-established system for producing H₂ in a cost-effective and reliable manner. Information regarding the service life of the key components is based on proven experience. Our customers appreciate the system's high operational reliability, minimal maintenance requirements and low maintenance costs.
- Our alkaline electrolyser does not require rare earth elements or precious metals. This enables us to make a lasting contribution to the environment, ensure a long-term supply of materials, and guarantee that the stacks can be recycled in an environmentally friendly way once they reach the end of their service life.
- Thanks to the modular design and scalability of our electrolysers, systems with a capacity ranging from 1 to 20 MW can be easily configured, and they can be expanded at a later date. We also supply the appropriate power supply, water treatment, gas purification and/or compression systems upon request.
- Our service ensures that your electrolyser produces hydrogen reliably and continuously. To this end, we offer our customers a global service that is always available, either remotely or via regular professional on-site maintenance.

Technical Data

ECOLYZER	P200	P400
Electrolysis process	AEL	AEL
Performance class	1 MW	2 MW
Voltage electrolysis	3 - 20 kV	3 - 20 kV
Voltage auxiliary units	400 V	400 V
Hydrogen production	200 Nm ³ /h	400 Nm ³ /h
Operating range (recommended)	30 - 100 %	15 - 100 %
Hydrogen quality	99,7%	99,7%
Hydrogen outlet pressure	30 barg	30 barg
Possibility of heat extraction	yes	yes
Water quality	Demin. Water (< 5 µS/cm)	Demin. Water (< 5 µS/cm)
Water consumption (excl. water treatment)	175 l/h	350 l/h
Process module dimensions [*] LxWxH	6.6 x 2.9 x 2.9 m	13.2 x 2.9 x 2.9 m
Ambient temperature	-20°C - 40 °C	-20°C - 40 °C
Lifetime stack	80.000 h	80.000 h
Efficiency Stack	4.5 kWh/Nm ³	4.5 kWh/Nm ³
System Efficiency	4.8 kWh/Nm ³ (62,5%)	4.8 kWh/Nm ³ (62,5%)
System Dynamics (Cold)	6.6 % / min. (0,11 %/s)	6.6 % / min. (0.11 %/s)
System Dynamics (Warm)	19.8 % / min. (0,33 %/s)	19.8 % / min. (0.33 %/s)

(*) Outdoor module, additional options not included



Learn more:
EcoLyzer in animation

www.ecolyzer.com