



This AEM electrolyser is fully integrated, ready to produce, and it is used for electrolyzing water to produce high purity hydrogen at atmospheric pressure up to 3MPa. It has the features of simple interface, user-friendly, safe and reliable, while it can operate with constant hydrogen flow and constant pressure, and provide stable pressure or flow of hydrogen, without hazardous waste products.

Applications: This electrolyser is suitable for fuel cells, hydride storage equipment and laboratories, etc.

Specification

Rated Power	2,5 kW
Maximum Nominal Pressure	0,1 to 3 MPa
H2 production capacity	0 to 0,5 Nm3/h
H2 purity	99,999 %
Regeneration process	Auto-regeneration mode or Forced regeneration mode
Output working model	Constant hydrogen flow Constant output pressure
Operation profile	Single refuelling Continuous operation Forced regeneration
Dimension (L * W * h, mm)	570 * 220 * 460
AC Input	220 V, 50 Hz
Product weight	< 42 kg

Other information

This electrolyser is designed with a plug and play secure configuration. The user only has to refill the system with water and a constant electricity supply, so the system can run in the operation mode selected:

- **Single refuelling:** the equipment runs as long as an attached cylinder gets refilled (set pressure).
- **Continuous operation:** the equipment continue in a constant operation till the user stops manually or the low-level water sensor activates the emergency stop.
- **Forced regeneration:** the user forces the regenerating operation in the electrolyser to clean the catalysts and membranes.

The user can also decide if the system may produce hydrogen at a constant flowrate or at a set pressure.

