



# FULLY AUTOMATED GAIA - HHO ELECTROLYSER



## Technical DATA & Important notes:

The GAIA MK II Electrolyser consist of:

- 2 serial round cells with 57 Titan-plates each,
- Dimensions 680 x 850 x 420 mm (W x H x D)
- Weight approx... 70 Kg, each

The GAIA Maritime Version consist of:

- 4 serial round cells with 57 Titan-plates each,
- Dimensions 750 x 1170 x 1180 mm (W x H x D),
- Weight approx...150 Kg, each

## Specifications for every machine:

- pressure resistant up to 3 BAR,
- fully controlled with highest industrial SPS standard,
- fully automated pressure & leakage test, before start
- pressure monitoring at gas outlet
- fully automated monitoring and refilling of electrolyte reservoirs
- supervision of temperature in the cell-cores (every core has 2 separate electrolyte reservoirs)
- automated recognition of backlash, incl. shut down
- automated emergency shut down for every abnormal operation mode
- stageless regulation of gas production, from 0 - to ca. 27 L/min ( or 0 - 54 L/min Maritime Version)
- Industrial control unit, incl. 7" Touchscreen and USB Interface for software upgrades or www connection.
- Automated analog power supply with toroidal transformer, 0 - 230 V DC and 0 - 18 A
- Optional "expert control mode" for : 1 Power-stable, 2 Current-stable, or 3 Pressure-stable operational mode

## Important notes:

- So far, the GAIA HHO Electrolyser is a Prototype Unit, that is not a "safe to use - for private customers" product. The Electrolysers produce a high reactive and flammable gas, that consists of 33% Oxygen, 66 % Hydrogen. Only educated technicians with the proper knowledge of handling this gas and other chemical hazardous substances, should operate our units.

