

# Reverse osmosis with water softener Hydrogen technology



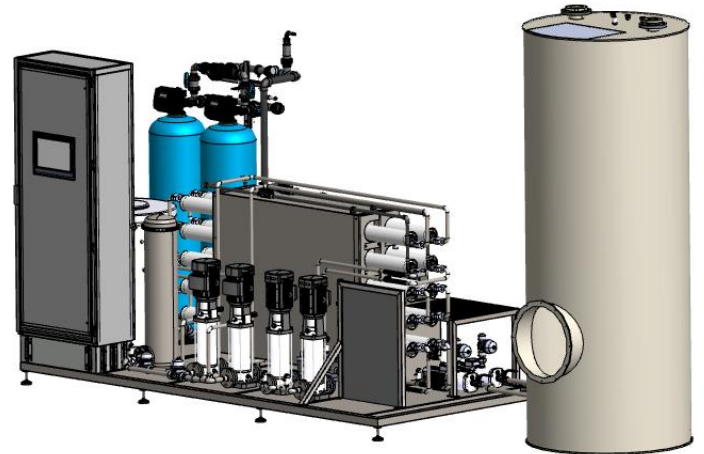
**APLICACION:**

- Production of Bi-Polar plates for hydrogen Technology
- Processing of well water for production

**PROCEDURE:**

- Prefilter for elimination particle size > 5 µm
- Double softening system to 0 °dH
- Permeat-stepped redundant reverse osmosis for desalination according to drinking water ordinance
- Electrodeionization
- Permeat use for production
- Fully automatic control

**REALISATION:** 2023  
**LACATION:** Germany

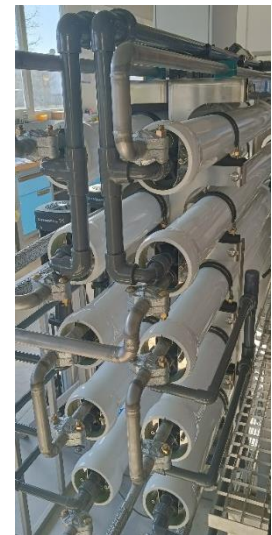


Schema Reverse osmosis

Parameter/Technical data	
pH	neutral
Temperature	20 °C
Performance Permeat	2 x 1,0 m³/h
Conductivity Permeat	< 1 µS/cm
Salt retention	≥ 99 %
Working pressure	Max 14 bar
Installed power	18,0 kW



Double softening system



Detail reverse osmosis



Plant overview

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