



# POWERKLOR

## Elevating Environmental Engineering

The ultimate on-site chlorine generator for sustainable, cost efficient and effective disinfection of all surfaces.

Redefining simplicity with automated operation and minimum maintenance.

Defining environmental protection since 1977  
**Integrating nature to protect the environment**



### Quality

- Consistent concentration of produced sodium hypochlorite
- Effective disinfection on-demand without dilution
- Elimination of by-product formation



### Efficiency

- Smallest volume & footprint
- Minimum operational costs & maintenance
- Fully automatic unattended operation



### Sustainability

- Zero waste, plastic-free oceans
- Optimal use of natural resources
- Reduction of CO<sup>2</sup> emissions



### Safety

- Non-hazardous feed & product
- No storage of bulk chemicals
- No use of PPE required



## HOTELS



## PASSENGER FERRIES



## CARGO SHIPS

## Description

POWERKLOR on-site sodium hypochlorite generators are designed for the in-situ production of a chlorine-based solution through the electrolysis of brine (or salt water solution), providing a safe, economical and effective disinfection of everyday surfaces.

A mixture of water and salt passes through the electrolytic cell where electrolysis takes place by the application of an electrical current. Sodium hypochlorite solution is produced on demand covering the exact needs of the end user. The lower grade sodium hypochlorite solution results in a slower rate of degradation than commercial grade hypochlorite. The system is also complemented with excess product storage. This ensures that sodium hypochlorite is always available to the end user, while eliminating the storage and handling of hazardous bulk chemicals.

## Specifications

Models	25	40	80	160	240
Rated FAC Capacity (g/h)	62,5	100	200	400	600
Rated FAC Capacity (kg/24h)	1,5	2,4	4,8	9,6	14,4
Flow (L/h)	25	40	80	160	240

**Environmental Protection Engineering S.A.**

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