

# Electrolysis System CHLORINSITU® III Compact

Chlorine produced from common salt. Directly on site.

ProMinent®



## Output 25 – 50 g/h of chlorine

Electrolysis systems of type CHLORINSITU® III Compact produce a disinfectant based on active chlorine. A saturated solution of sodium chloride is produced in a salt-dissolving tank, included in the scope of delivery, and this solution is then electrolysed in a diaphragm cell. Sodium hydroxide and hydrogen are produced in the cathode chamber while ultra-pure active chlorine and a diluted residual brine are produced in the anode chamber, separated by the diaphragm from the cathode chamber. The active chlorine produced forms sodium hypochlorite with a concentration of approx. 25 g/

l in the reactor with the sodium hydroxide produced. The hydrogen generated is discharged to the fresh air through a bleed line. The salt-dissolving water comes from the integrated softener, preventing the formation of lime deposits and ensuring the long service life of the electrolysis cell.

Electrolysis systems of type CHLORINSITU® III Compact are especially suitable for use with smaller swimming pools in residential properties and hotels (indoor pools with a total circulation capacity of up to 40 m<sup>3</sup>/hour, chlorinated in accordance with the DIN standard).

## Your benefits

- Sodium hypochlorite solution low in chloride and chlorate with a high chlorine concentration (25 g/l free chlorine)
- Minimal acid consumption for pH correction, enabling savings of up to 70%
- Cost-effective operation, thanks to the use of sodium chloride as an inexpensive raw material and minimal chemical consumption for pH adjustment
- Robust, simple technology
- Compact space-saving design, ready-mounted on a wall panel

## Field of application

- Swimming pool
- Potable water
- Cooling tower

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## Technical Data

Power supply 1 x 230 Volt (VAC/1P/N/PE/50 Hz)

Type/output	Power uptake	Max. salt consumption	Max. consumption of process water	Dimensions L x W x H (mm)	Brine tank
g/h	kW	g/h	l/h		l
25	0.11	65	1.5	590 x 355 x 650	110
50	0.22	130	3	590 x 355 x 650	110

## Scope of delivery:

Electrolysis systems of type CHLORINSITU® III Compact are ready mounted and wired for use on a wall panel. Chlorine electrolysis system with integrated microprocessor control and softener system. They include a diaphragm electrolysis cell, separate salt dissolving tank with level monitor and a level control for a storage tank (storage tank not included with the scope of delivery). A storage tank is also required as well as a metering pump for each point of injection (pump not included in the scope of delivery).

	Order no.
CHLORINSITU® III Compact 25	1041399
CHLORINSITU® III Compact 50	1041401