

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 ultrapure 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 m³/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

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