

High-Quality Solutions for Smaller Applications

Electrolysis system CHLORINSITU® IV compact



The CHLORINSITU® IV compact range of electrolysis systems generates chlorine and sodium hydroxide in two electrode chambers separated by a membrane. Ultra-pure chlorine gas produced harmlessly in a vacuum process within the system is transferred into the water to be treated, where it dissolves as hypochlorous acid. The negative pressure in the system ensures that no chlorine gas can escape into the environment at any time. The sodium hydroxide is collected separately and can be used to correct the pH value of the water being treated. The dosing pump needed for this is an integral component of the system. Electrolysis takes place continuously, allowing for continuous dosing.

A fully automatic water softener is integral to the system and regeneration can be adjusted in terms of timing and the hardness of the water. By defining the time, it is possible to ensure reliably that regeneration is only performed when disinfection is not needed. Only as much regeneration salt is used as is required, as regeneration takes place according to the hardness of the water, thus saving on regeneration salt.

- Robust, simple technology
- Compact, space-saving design thanks to wall-mounted installation
- Excellent water quality thanks to a high-performing active agent
- No handling of hazardous chemicals
- Safe negative pressure system technology
- Simple and safe operation
- Optional water disinfection and pH correction possible with one system
- Electrolysis system is wired ready for operation with an injector system and dosing pump for pH correction (optional)
- Integral water softening system with programmable regeneration
- Membrane electrolysis cell

Further information:



www.promaqua.com/electrolysis

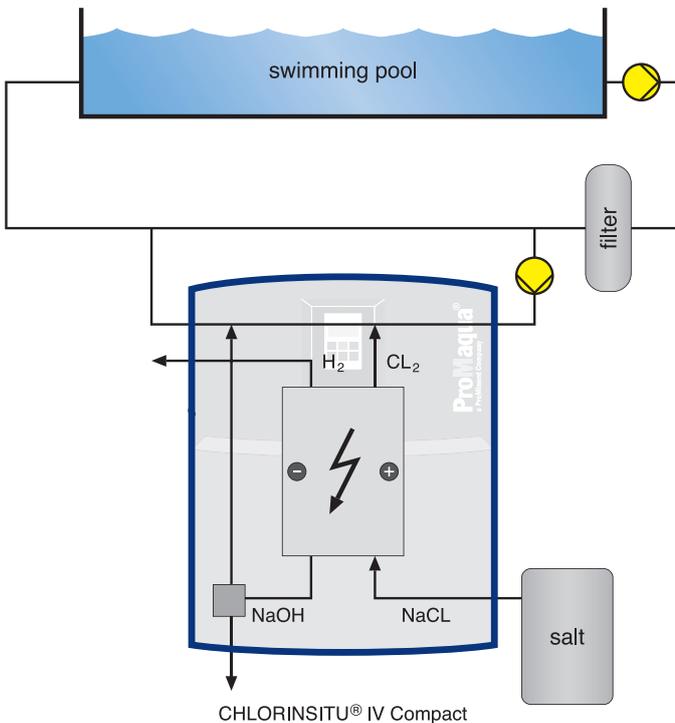
Electrolysis for Disinfection

Key applications

- Specifically designed for smaller applications in private properties and hotels
- Especially suitable for small swimming pools, spa pools and other applications with minimum chlorine requirements

Type/ Output	Voltage supply	Power consumption	Salt consumption	Process water consumption	Dimensions L x W x H	Brine tank
g/h		kW	g/h	l/h	mm	l
25	230 V/50 Hz	0.11	65	1.5	575 x 355 x 650	120
50	230 V/50 Hz	0.22	131	3	575 x 355 x 650	120

Schematic diagram of swimming pool disinfection with the electrolysis system CHLORINSITU® IV compact



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