

# Electrolysis System CHLORINSITU V

Chlorine produced from common salt. Directly on-site. For clean and safe disinfection.



Electrolysis systems of type CHLORINSITU V take the place of the chlorine gas system in the swimming pool and only need salt, water and electricity to do so.

## Technical Details

- Modern PLC with large display
- Integrated Remote Control Engineer for remote diagnosis and troubleshooting
- Chlorine metering and pH value correction controlled via contact inputs
- Analogue input (optional)
- Modbus or PROFIBUS® (optional)
- Several points of injection (optional)
- Multiple booster pumps (optional) can be used for different water qualities (e.g. brine and freshwater pools)



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## Technical Data

Type/output	Fuse	Power uptake	Salt consumption	Max. consumption of process water	Consumption of cooling water (external)	Dimensions L x W x H	Brine tank
g/h	A	kW	kg/d	l/h	l/h	mm	l
100	3 x 16	1.10	5	60	-	1,655 x 600 x 1,550	210
200	3 x 16	1.50	10	60	-	1,655 x 600 x 1,550	210
300	3 x 16	1.90	15	60	-	1,655 x 600 x 1,550	210
400	3 x 16	2.30	20	60	-	1,655 x 600 x 1,550	210
500	3 x 16	2.70	25	60	-	1,655 x 600 x 1,550	210
600	3 x 20	3.10	30	90	-	1,950 x 600 x 2,000	400
750	3 x 25	3.70	35	90	-	1,950 x 600 x 2,000	400
1000	3 x 25	4.70	50	90	-	1,950 x 600 x 2,000	400
1250	3 x 35	5.70	60	90	-	1,950 x 600 x 2,000	400
1500	3 x 35	6.70	70	90	-	1,950 x 600 x 2,000	400
1750	3 x 35	7.70	80	90	-	1,950 x 600 x 2,000	400
2000	3 x 50	8.70	100	175	200	1,750 x 1,200 x 2,000	520
2500	3 x 80	14.70	175	175	250	1,750 x 1,200 x 2,000	520
3000	3 x 63	10.70	150	175	300	1,750 x 1,200 x 2,000	520
3500	3 x 63	12.70	175	175	350	1,750 x 1,200 x 2,000	520

Capacities > 3,500 g/h upon request

### Scope of delivery:

Electrolysis systems of type CHLORINSITU V are ready mounted, wired for use, on a powder coated stainless steel frame with a Programmable Logic Controller (PLC) in the control cabinet, Remote Control Engineer for remote diagnosis and troubleshooting, integrated water softening unit, membrane electrolysis cells, hydrogen bleed system and separate salt dissolving tank with level monitoring. The scope of delivery also includes a frequency-controlled central injector system matched to the system to meter active chlorine and sodium hydroxide solution for pH correction and a single booster pump. A chlorine gas warning unit and automatic monitoring of water hardness downstream of the softening system come as standard with systems producing more than 600 g/h.

### Remark

Electrolysis systems of type CHLORINSITU II, III, V and V Plus are available and planned to meet customer specifications. This is true both for the system documentation and the subsequent supply of spare parts and maintenance.