



THE CONTEXT OF CHLORINE AND PH VALUE

The pH value has a big influence on an effective use of a salt electrolysis system or on a perfect water disinfection, which is ideally between 7,2 and 7,4.

This value, as well as the chlorine value has to be checked regularly. We therefore recommend to implement an automatic pH regulation as well.

WATER DISINFECTION WITH **NaCl**

SALT ELECTROLYSIS – HOW IT WORKS

A pool water disinfection by means of salt is not a chlorine-free method. However, the dissolved salt in the water makes the water softer with a smoother feeling on your skin.

One of first steps is to add a defined amount of salt (NaCl) to your pool water. In the cell of the salt electrolysis some chlorine gas is generated, so you convert salt into Chlorine which disinfects your pool water.

The resulting free chlorine destroys all microorganisms and is therefore a very strong, liquid chlorine-alternative disinfectant.

OPTIMALE PERFORMANCE

The optimal performance of saltwater chlorination is based on the correct choice of chlorine production per hour depending on the pool size.

We recommend a salt concentration of at least 4 g/l (low salt 1-2g) in order to have an optimal function of the system.

		POOL SIZE M ³							
		25	50	75	100	125	150	175	200
FILTRATION TIME H	4	15 g/h	25 g/h						
	6	10 g/h	20 g/h	25 g/h	35 g/h				
	8	10 g/h	15 g/h	20 g/h	25 g/h	35 g/h	35 g/h		
	10			15 g/h	20 g/h	25 g/h	35 g/h	35 g/h	
	12				20 g/h	25 g/h	25 g/h	35 g/h	35 g/h

If the water regularly exceeds the 28 °C water temperature, select a higher production level than indicated in the table.

NEW



	iQntrol SALT-PRO	iQntrol SALT-MODBUS
Power supply	230 Vac – 50 Hz / 60 Hz	
Max. cell current	10 A – 35 A	3,75 A – 8,75 A
Gr/hour production	10 gr/h – 35 gr/h	15 gr/h – 35 gr/h
Max. power	75 W – 263 W	80,25 W – 187,25 W
Max. cell voltage	7,5 Vcc	21,4 V
Salt required	> 4-6 gr/l	> 4-6 gr/l
Language selection	✓	✓
Manual regulation CL	✓	✓
Automatic regulation CL	✓	✓
Indicator ORP values	✓	✓
Indicator pH values	✓	✓
Automatic Indicator of lack of salt	✓	✓
Automatic Indicator of salt excess	✓	✓
Indicator water temperature	✓	✓
Self-cleaning	✓	✓
Indicator salt level	✓	✓
Indicator cell life	✓	✓
Automatic alert		
Lack of water flow	✓	✓
Gas accumulation in the cell	✓	✓
Overload	✓	✓
Short circuit	✓	✓
Over temperature	✓	✓
Options		
Sensor Redox ORP Set	✓	✓
Sensor pH Set	✓	✓
Sensor Temperatur Set	✓	✓
Sensor free Chlorine ppm Set	✓	✓
Sensor Water flow Set	✓	✓
Domotic Set	✓	✓



Information on the control and integration of the iQntrol salt electrolysis system SALT-MODBUS in the iQnnect pool system