## CHLORINSITU IIa

Output of 3 - 15 PPD (60 - 300 g/h) chlorine



The new **CHLORINSITU IIa** combines the proven and durable design of the open electrolysis cell with an innovative design. An exceptional quality of hypochlorite solution is achieved, while the salt and power consumption could be decreased.

The chlorate content of the product is significantly below the limit value specified in EN 901. All relevant system components are accommodated in a compact and space-saving housing. Integral hydrogen discharge enables the system to be installed without any need for specific ventilation requirements for the installation place (no ATEX).

The system is immediately ready for use, thanks to the plug-and-play concept. Operation of the electrolysis system has been consciously kept simple.

### Available scope of delivery:

- Corrosion-proof housing with ventilation fan
- · Control with multicolored touch panel
- Remote maintenance module
- Salt dissolving tanks outside of the housing
- Integrated product tank with diaphragm metering pump for metering the chlorine solution
- Integrated softener

#### **Benefits**

- NSF 61 Approved
- Durable design, transparent technology
- · Low-chlorate product (below the EN 901 limit value)

- High output
- Excellent safety
- Minimal space requirement
- Minimal maintenance work and ease of operation

#### Field of application

- Potable water
- Swimming pools
- · Horticulture and animal breeding

# CHLORINSITU IIa

## Technical data

Model	60 g/h	120 g/h	180 g/h	240 g/h	300 g/h
Installation capacity (FAC)	3 PPD	6 PPD	9 PPD	12 PPD	15 PPD
Production capacity	23.25 h/day1				
Salt conversion	3.0 kg/kg FAC				
Energy consumption DC	4.0 kWh/kg FAC				
FAC concentration <sup>2</sup>	9,000 ppm ± 10% (0,9% ± 10%)				
pH product (Approx)	9.5				
Amount of cells	1	2	3	4	5
Hydrogen safety discharge system	No room ventilation required. Integrated hydrogen dilution Air discharge pipe to outside				
Product (NaOCI) volume	1.7 GPH	3.5 GPH <b>81 GPD</b>	5.2 GPH	6.9 GPH	8.7 GPH
Chlorate	< 4% of FAC				
Power supply	240 Vac ± 10%, L1, L2, GND 60 Hz				
Nominal Energy use	0.5 kW	0.8 kW	1.1 kW	1.4 kW	1.7 kW
Advised External installation fuse	C15A				
Salt consumption	0.42 Lbs <b>9.2 PPD</b>	0.8 Lbs <b>18.4 PPD</b>	1.2 bs <b>27.6 PPD</b>	1.6 Lbs <b>36.8 PPD</b>	2.0 Lbs <b>46 PPD</b>
Salt requirements	Salt tablets specifications: > 99.4 % NaCl, Insoluble substances = max. 0.05 % Iron (Fe) = max. 10 ppm, Manganese (Mn) = max. 10 ppm Calcium + Magnesium (Ca + Mg) = max. 100 ppm				
Max. ambient humidity	85%				
Ambient temperature	50 – 104 °F (10 – 40 °C)				
Ambient conditions	Ambient air non- condensating, non-corrosive and dust free air within the installation room				
Integrated product storage tank	15 Gallon				
External brine tank	45 Gallon (Ø24''x28'')				
Applications	Process water, cooling towers and potable water				
Approvals/ Certificates	NSF61 (Approved) EPA Est.# 95837-CAN-1				

1 Based on the regeneration of the softener ones a day for <45 minutes.

2 The product quality is depending on water quality, water volume, temperature, salt specification.

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