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
## Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>60 g/h</th>
<th>120 g/h</th>
<th>180 g/h</th>
<th>240 g/h</th>
<th>300 g/h</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installation capacity (FAC)</strong></td>
<td>3 PPD</td>
<td>6 PPD</td>
<td>9 PPD</td>
<td>12 PPD</td>
<td>15 PPD</td>
</tr>
<tr>
<td><strong>Production capacity</strong></td>
<td>23.25 h/day¹</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Salt conversion</strong></td>
<td>3.0 kg/kg FAC</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Energy consumption DC</strong></td>
<td>4.0 kWh/kg FAC</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>FAC concentration</strong>²</td>
<td>9,000 ppm ± 10% (0.9% ± 10%)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>pH product (Approx.)</strong></td>
<td>9.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Amount of cells</strong></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

**Hydrogen safety discharge system**

No room ventilation required. Integrated hydrogen dilution. Air discharge pipe to outside.

- **Product (NaOCl) volume**
  - 1.7 GPH 40 GPD
  - 3.5 GPH 81 GPD
  - 5.2 GPH 121 GPD
  - 6.9 GPH 161 GPD
  - 8.7 GPH 201 GPD

- **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 9.2 PPD
  - 0.8 Lbs 18.4 PPD
  - 1.2 Lbs 27.6 PPD
  - 1.6 Lbs 36.8 PPD
  - 2.0 Lbs 46 PPD

- **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 ºC)

- **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

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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.