On-site Sodium Hypochlorite Generators

ClorTec®

25 to 100 lb/d (11 kg/d to 45 kg/d)

ClorTec® Makes Electrochlorination Easy

De Nora ClorTec® 25-100 on-site sodium hypochlorite generators are designed for high efficiency, low lifecycle cost, durability and reliability. Four model sizes generate from 25 - 100 lb/day (11 kg/d - 45 kg/d) with the ability to easily expand capacity 4X in the same enclosure.

Using just water, salt and power to generate sodium hypochlorite on site eliminates the storage and handling of hazardous chemicals while providing chlorine residual.

The ClorTec® designs include a range of features including:

• Remote monitoring and communication options available
• Unique cell design and flow control features for simplified maintenance and operation
• Modular design and scalability reduces footprint and space requirements
• NSF/ANSI 61 Certified and CE Marking
## ClorTec®
### On-site Sodium Hypochlorite Generators
25 to 100 lb/d (11 kg/d to 45 kg/d)

### Product Specifications

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<td>200 - 240 VAC, 1 ph, 30A, 50/60 Hz*</td>
<td>3.0 lb salt/lb FAC</td>
<td>2.0 kW-hr/lb FAC</td>
<td>3.0 mgd 11,355 m³/day</td>
<td>25</td>
<td>11.3</td>
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<td>49.28</td>
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<td>ClorTec® 50</td>
<td>200 - 240 VAC, 1 ph, 60A, 50/60 Hz*</td>
<td>3.0 kg salt/kg FAC</td>
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<td>6.0 mgd 22,710 m³/day</td>
<td>50</td>
<td>22.7</td>
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<td>98.57</td>
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<td>ClorTec® 75</td>
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<td>3.0 kg salt/kg FAC</td>
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<td>9.0 mgd 35,065 m³/day</td>
<td>75</td>
<td>34</td>
<td>0.78</td>
<td>147.85</td>
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<tr>
<td>ClorTec® 100</td>
<td>200 - 240 VAC, 1 ph, 120A, 50/60 Hz*</td>
<td>3.0 kg salt/kg FAC</td>
<td>4.4 kW-hr/kg FAC</td>
<td>12 mgd 45,420 m³/day</td>
<td>100</td>
<td>45.4</td>
<td>1.04</td>
<td>197.14</td>
<td>0.96</td>
</tr>
</tbody>
</table>

### Specifications

**Control:** Automatic batch, controlled by hypochlorite storage tank level

**Sodium Hypochlorite:** 0.8% ± 0.05 **

**Water Supply:** Potable water @ 25 - 100 psi (1.7 - 6.9 bar)

**Temperature Range:** 55°F - 80°F (12°C - 27°C)***

**Salt Quality:** 99.7% pure dry weight food grade salt or equivalent for best efficiency****

**Additional cell increments to meet higher capacity:** 25 lb/11.3 kg

### Notes:

** HYPO Self-Cleaning FAC Concentration 0.65% ± 0.1%
*** Recommended range provided - acceptable range is 40°F - 90°F (5°C - 35°C)
**** Note flow is for generator only, additional water flow will be required for softening system and may vary but generally +15% should be adequate.
***** For lower salt purity usage, please contact De Nora Water Technologies

### PLC & Operator Interface:

Allen Bradley Micrologix 1400 with AB PanelView Plus 600

### Control Panel:

Painted Steel with rotomolded fascia

### Hydrogen Venting:

Passive venting via non-mechanical drop-tube design

### Optional Self-Cleaning:

Option A: FAC Concentration 0.65% ± 0.1% at standard salt conversion efficiency
Option B: FAC Concentration 0.8% ± 0.1% mg/L at 4 lbs salt/lb FAC conversion efficiency