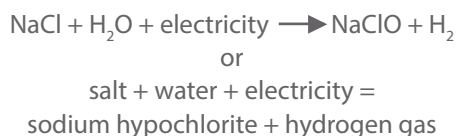


CLORTEC® ON-SITE SODIUM HYPOCHLORITE GENERATION SYSTEMS CT SERIES — 75–300 LB/DAY (34–136 KG/DAY)

ClorTec® systems are the leading solution for brine electrochlorination offering ease of operation and low whole life costs.

ClorTec® on-site systems generate 0.8% sodium hypochlorite by combining three common consumables:



ClorTec CT systems easily control sodium hypochlorite production and provide a powerful disinfection method for any application. CT systems meet requirements for 75–300 lb/day (34–136 kg/day) chlorine equivalent. Applications include potable water, wastewater, odor and corrosion control, cooling towers, oxidation and swimming pool disinfection.

The ClorTec CT systems are component based and consist of a modular configuration. This design allows for ease in serviceability and expansion potential. The primary components may be arranged to optimize available space and systems may be custom designed for unique applications.



For more information on ClorTec® on-site sodium hypochlorite generating system visit www.denora.com



DE NORA
our research - your future

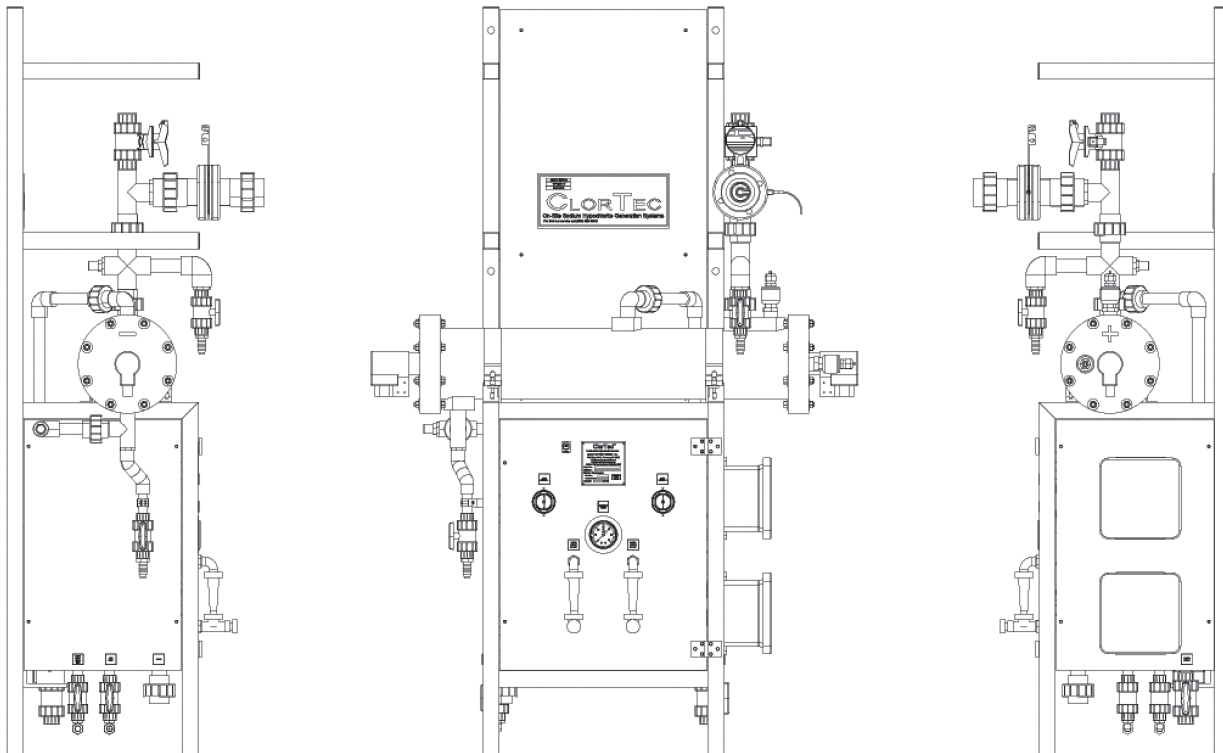
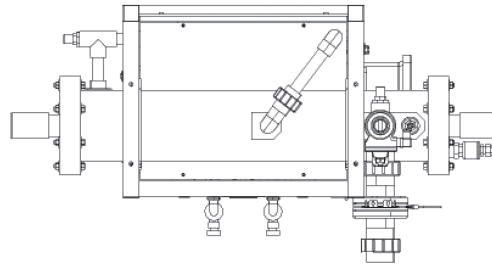
We Understand On-site Sodium Hypochlorite Generation

Features

- Electrolytic cell(s)
- Rack mount
- Power supply/rectifier
- Control panel/PLC
- Water softener
- Brine tank
- Brine proportioning pump
- Product day tank
- Metering pump
- Ultrasonic level control
- Hydrogen dilution blower

Benefits

- New cell design delivers 20% reduction in consumable operating cost
- On-demand sodium hypochlorite production
- No handling or transportation of hazardous materials
- Exempt from Process Safety Management
- Exempt from Risk Management Planning
- Superior warranty
- Easy operation
- Minimizes disinfection by-products
- NSF 61 Certified



CT Series System Specifications

Capacities: 75–300 lb/day (34–136 kg/day); free available chlorine

Control: Automatic batch, regulated by storage tank status

Hypochlorite: 0.8% ± 0.05%

Raw Materials: 2.8 lbs (1.4 kg) salt, 2 kWh electrical energy, and 15 gal (57 L) water per pound of free available chlorine produced

Water Supply: Potable water @20–50 psi (1.4–3.5 bar) temperature range 65°F–80°F (18°C–27°C)

Salt Quality: 99.7% pure dry weight Morton White Crystal or equivalent

Electrical Power: 480 VAC 3 Ø, 60 Hz to rectifier, 208–240 VAC 1 Ø, 60 Hz to controls (other voltages available as an option)

Control Panel: Grey polyester coated NEMA 12 welded steel enclosure

Operator Interface:

Standard: LCD touch screen

Optional: Color LCD touchscreen industrial computer with data logging and communications capability

Programmable Logic Controller: Expandable from 8–32 discrete I/O channels, 4–16 analog inputs and 2–8 analog outputs

Full custom integration available

Salt Dissolver: HDPE or FRP tank to store minimum of 1 weeks salt supply (lb/day x 3 x 7 days minimum)

Sodium Hypchlorite Tank

Material: HDXLPE or equivalent

Size: One days storage recommended (lb/day x 15 gal)

Level Control: Ultrasonic or mechanical level sensor in tank controls start/stop function of system

Hydrogen Vent: Waste hydrogen is vented to atmosphere by an active air dilution blower system

Optional Water Chiller: Air cooled design; classified by Underwriters Laboratories in accordance with ANSI/NSF 61, 1997b

Optional Water Heater: UL® and CSA recognized and listed unitized assembly

Model	Cell Configuration	Output		Flow		Water		Salt		Power DC/kWh/day	AC Amp 480 V 3 Ø Draw	Circuit Capacity
		lb/day	kg/day	gal/hr	L/hr	gal/day	L/day	lb/day	kg/day			
CT-75	1 x 75	75	34	47	177	1,125	4,258	210	95.5	150	15	20
CT-100	1 x 100	100	45	63	237	1,500	5,676	280	127.3	200	20	30
CT-150	2 x 75	150	68	94	355	2,250	8,516	420	191	300	30	40
CT-200	2 x 100	200	91	125	473	3,000	11,355	560	254.5	400	40	60
CT-225	3 x 75	225	102	141	532	3,375	12,774	630	286.4	450	45	70
CT-300	3 x 100	300	136	188	710	4,500	17,033	840	381.8	600	60	90



* Ready for use containerized packages available.

Use of the ETV Name or Logo does not imply approval or certification of this product nor does it make any explicit or implied warranties or guarantees as to product performance.



De Nora Water Technologies

1110 Industrial Blvd
Sugar Land, TX 77478
United States

T: +1 281 240 6770
F: +1 281 240 6762
E: info.dnwt@denora.com

www.denora.com

® Registered Trademark. © 2015. All Rights Reserved.