

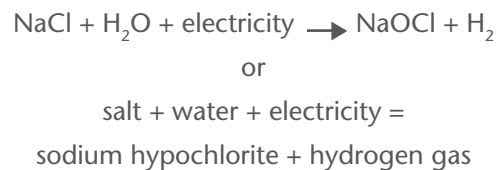
# On-site Sodium Hypochlorite Generation Systems **ClorTec® T Series**

**2.7 to 16 kg/d (6 to 36 lb/d)**

**On-site sodium hypochlorite generation systems  
are unparalleled in safety and cost efficiency.**



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



ClorTec® T systems easily control sodium hypochlorite production and provide a powerful disinfection method for any application. T systems meet requirements for 2.7 to 16 kg/d (6 to 36 lb/d) chlorine equivalent. Applications include potable water, wastewater, odor and corrosion control, cooling towers, oxidation and swimming pool disinfection.

The ClorTec® T 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.

## Features

- Dual tank water softener
- Salt dissolver
- Brine proportioning system
- Electrolyzer cell panel cabinet & cell(s)
- Power supply
- Metering pump(s)
- Hypochlorite storage tank(s)
- NSF/ANSI 61 Certified for use in drinking water applications

## Benefits

- Eliminate safety hazards
- Reduce operating costs
- Improved water quality
- Low raw material usage
- Risk Management Program & Process Safety Management exempt
- Guaranteed performance
- Superior warranty

## Specifications

**Capacities:** 2.7 - 16 kg/d (6 - 36 lb/d) free available chlorine

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

**Hypochlorite:** 0.8% ± 0.05%

**Raw Materials:** Per kg (lb) of chlorine produced 3.5 kg (3.5 lb) salt, 5.5 kWh (dc) (2.5 kWh), 125 L (15 gal.) water

**Water Supply:** Potable water @ 1.9 - 3.5 bar (20 - 50 psi)

**Temperature Range:** 18°C - 27°C (65°F - 80°F)

**Salt Quality:** 99.7% pure dry weight solar salt or equivalent

**Electrical Power:** 208 or 240 Vac 1 Ø, 60 Hz

**Options Available:** 240 Vac 1 Ø, 50 Hz

**Control Panel:** Grey polyester coated NEMA 12 welded steel enclosure

**Operator Interface:** PLC-based LCD operator interface for control and monitoring system status, alarms, tanks and flows

### Programmable Logic Controller:

- Expandable from 8 to 32 discrete I/O channels
- 4 to 16 analog inputs and 2 to 8 analog outputs
- Full custom integration available

**Salt Dissolver:** 78 gallon (750 lbs) cylindrical tank with cover (24" D x 41" H) constructed of rigid high impact nontoxic polyethylene (Other capacities are also available)

Model	Cell Configuration	Output		Total Flow		Water Flow		Brine Flow		Salt Usage		Power dc/kWh/d	ac Amp 220 V 1Ø Draw	Circuit Capacity
		kg/d	lb/d	L/d	gal/d	L/d	gal/d	L/d	gal/d	kg/d	lb/d			
T-6	1 x 6	2.7	6	341.3	90.2	306.7	81	34.6	9.1	9.5	21	15	4.0	15
T-12	1 x 12	5.4	12	681.1	180.0	613.4	162	67.7	17.9	19.1	42	30	8.0	20
T-24	2 x 12	11	24	1363.7	360.2	1226.9	324	136.8	36.1	38.1	84	60	12.0	30
T-36	3 x 12	16	36	2044.8	540.2	1840.3	486	204.5	54.0	57.2	126	90	18.0	40

## Sodium Hypochlorite Tank

**Material:** Linear polyethylene

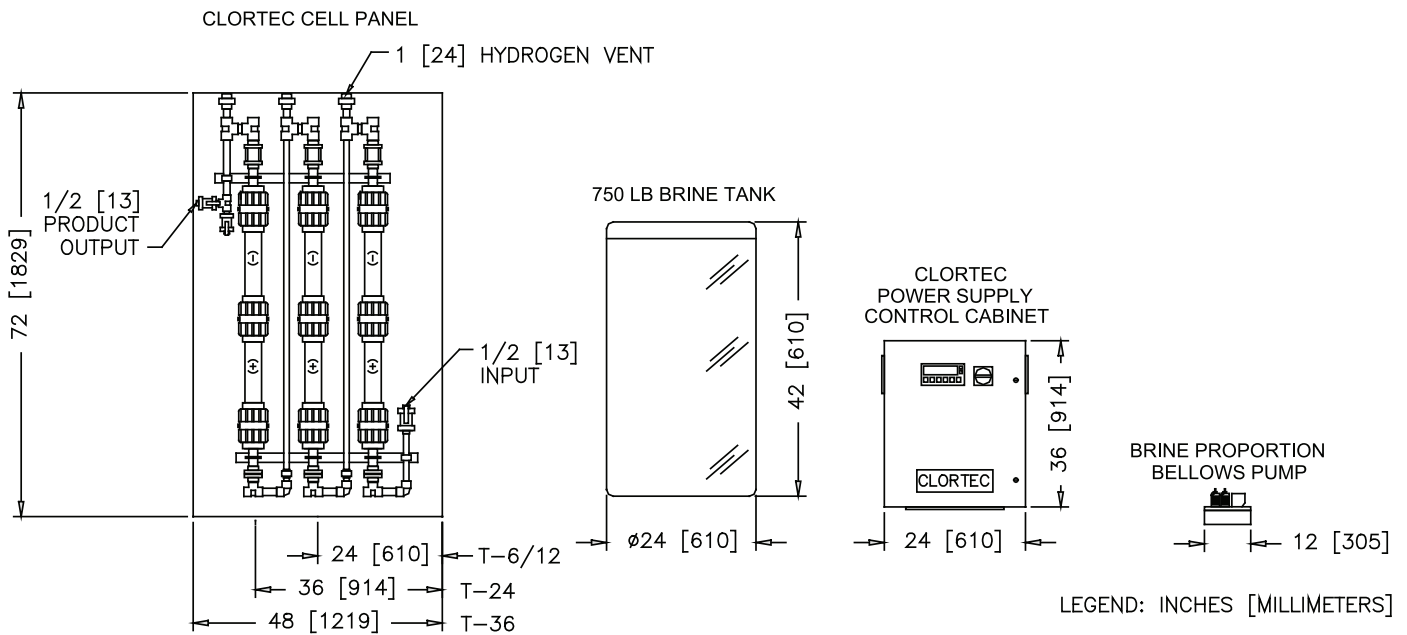
**Size:** One days storage recommended (lb/d x 15 gal)

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

**Hydrogen Vent:** Waste hydrogen is vented to atmosphere either passively or by air dilution

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

**Optional Water Heater:** UL® listed





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**DE NORA**  
our research - your future

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