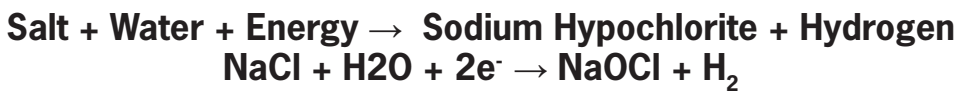


ClorTec®

On-site Sodium Hypochlorite Generating Systems CT Series 34 to 136kg/day

The ClorTec on-site sodium hypochlorite generation process offers unparalleled safety and cost efficiency. ClorTec on-site systems generate typically 0.8% sodium hypochlorite by combining three common consumables:



ClorTec is a further development in sodium hypochlorite generation systems from Severn Trent Services. The CT product series provides users with a cost effective, user friendly, reliable and safe method of generating sodium hypochlorite on demand. The process is a simple and straightforward method of generating sodium hypochlorite from brine for industrial and municipal applications, and is approved for use in the disinfection of potable water, wastewater and water applications.

ClorTec on-site sodium hypochlorite generating systems are fully ATEX compliant.

System Benefits:

- Clear electrolytic cells means that initial maintenance can be performed by visual inspection.
- Optimised systems reduce whole life cost compared to commercial sodium hypochlorite
- No need for bulk storage or transportation of hazardous chemicals
- Consistent solution strength that is not subject to rapid decay
- ClorTec units are mounted on a frame to facilitate servicing, transport, ease of installation and provide additional potential for expansion.



Performance Characteristics:

Model	Output of Cl equivalent kg/day	Flow L/day	Salt used kg/day
CT-75	34	4258	102
CT-100	45	5678	135
CT-150	68	8516	204
CT-200	91	11355	273
CT-225	102	12774	306
CT-300	136	17033	408

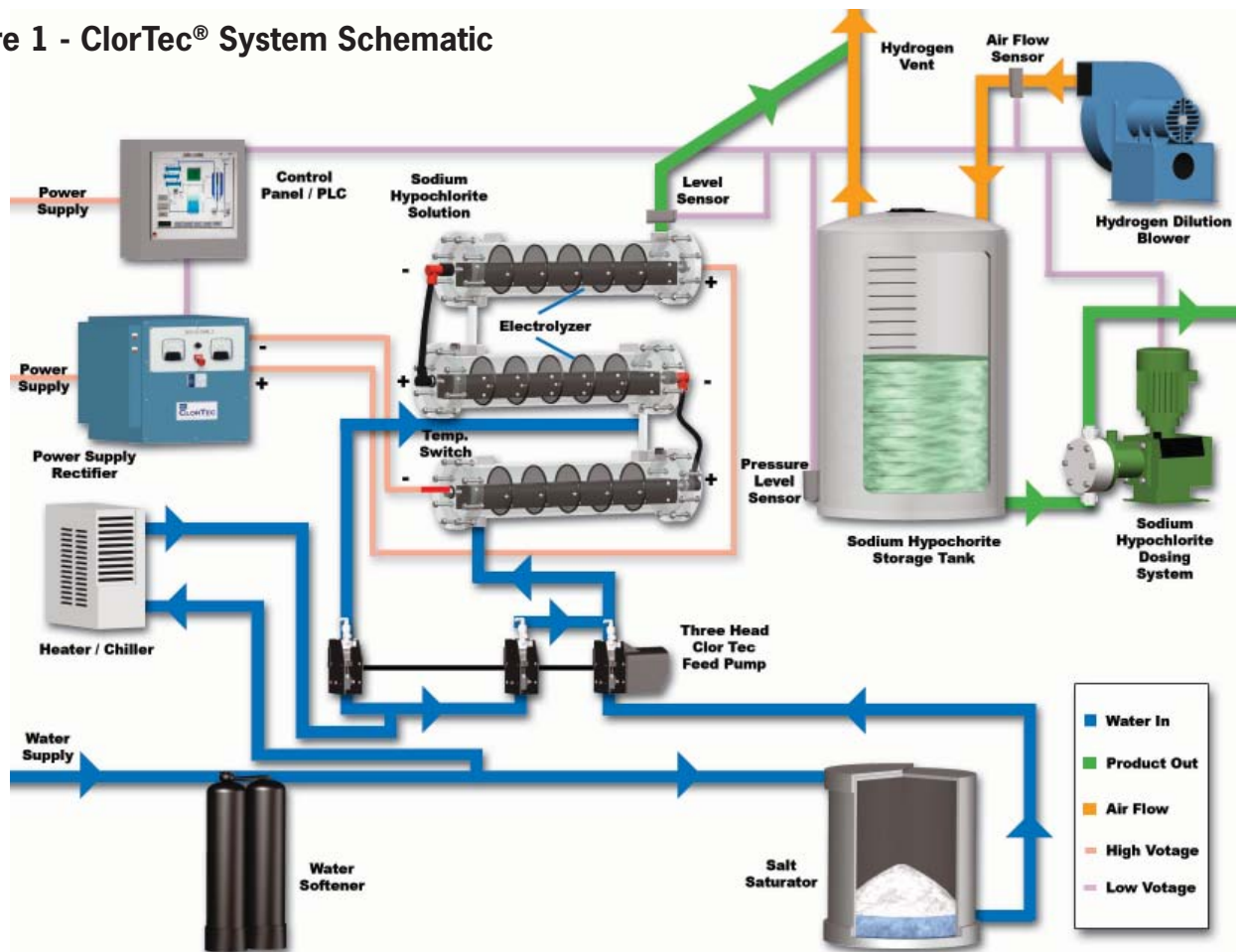
Raw Material Consumption:

Resource	Consumption (per kg Cl ₂ generated)
Salt	3.0 kg
Electricity	4.4 Kwh (AC)
Water	125 Litres

Sodium Hypochlorite: 0.8% ± 0.05% concentration



Figure 1 - ClorTec® System Schematic

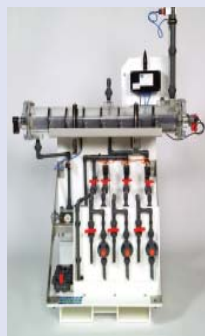


Note: Certain equipment is optional



Control Panel Benefits:

- Control via colour touch screen
- Fully automatic
- Allen Bradley or Mitsubishi PLC



ClorTec® Generator Skid Benefits:

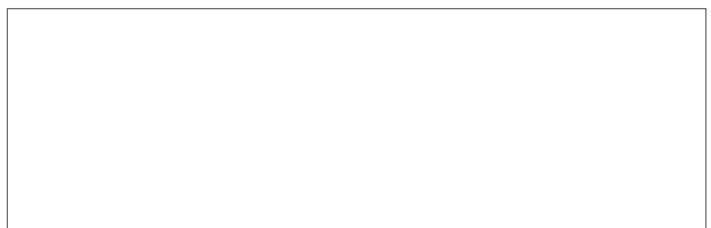
- Integrated duplex water softener
- Optional standby brine pump
- Transparent generating cells
- Dilution water temperature control



Transformer Rectifier Benefits:

- Constant current stepless output
- Cell voltage monitor
- DC Voltmeter and ammeter displays

Represented by:



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