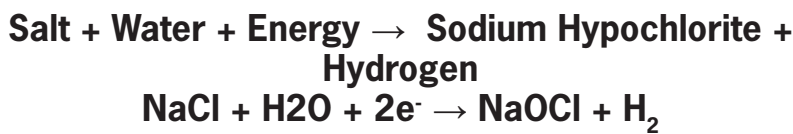


# ClorTec®

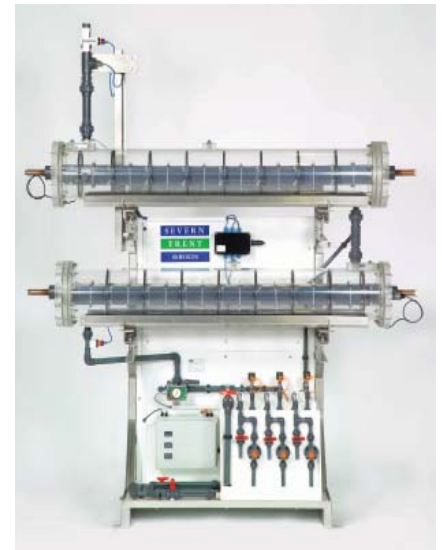
## On-site Sodium Hypochlorite Generating Systems HCT Series 204 to 680 kg/day

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/hour	Salt used kg/day
HCT-450	204	1065	612
HCT-600	272	1419	816
HCT-750	340	1774	1021
HCT-900	408	2129	1225
HCT-1200	544	2839	1633
HCT-1500	680	3548	2041

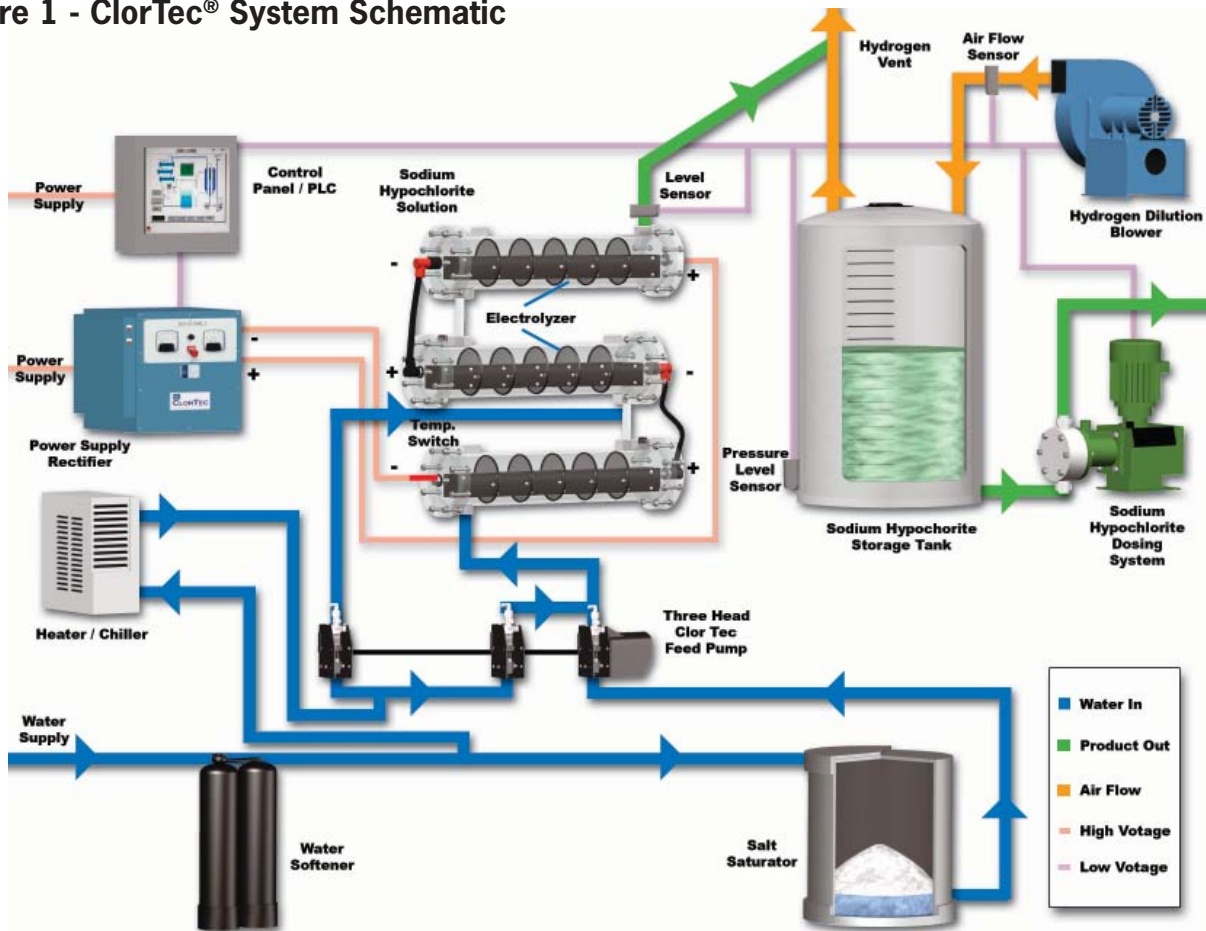
### RAW MATERIAL CONSUMPTION

Resource	Consumption (per kg Cl <sub>2</sub> 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. This schematic represents a typical ClorTec layout - actual system may vary.

**Transformer Rectifier Benefits:**

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

**Control Panel Benefits:**

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

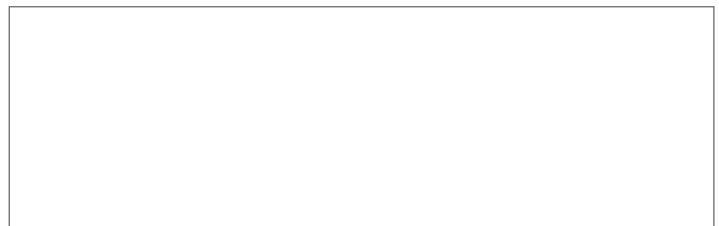
**ClorTec® Generator Skid Benefits:**

- Optional standby brine pump
- Transparent generating cells
- Optional dilution water temperature control

**Severn Trent Services**

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