



Patented Electrolytic CT Water Treatment System
ECOMax-CT®



ECOMax-CT® is an extremely effective Chemical Free Water Treatment System for Cooling Towers. This Patented product removes scale and reduces up to 80% blow down water consumption.



**CII Award Winner 2022 -
Innovative Water Saving Product**



Patented **ECOMax-CT®** An Effective Chemical Free Water Treatment System for Cooling Tower

Patented ECOMax-CT® eliminates/reduces chemical dosing in the cooling tower. As the scales are removed physically into the Electrolytic Reactor, it is possible to operate Cooling Tower at higher levels of TDS or conductivity, resulting into reduction of Cooling Tower blow down water consumption. Patented ECOMax-CT® is designed to have long life and trouble free operation

BENEFITS

- Zero Chemicals used in the system
- Reduces blow down water usage up to 80%
- Reduces corrosion in condenser pipes
- Extends life of the Cooling Tower
- Blow down water can be used for gardening
- Results into Energy Saving in case of ZLD plants

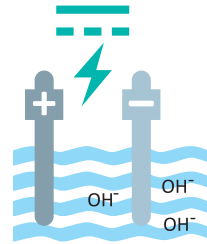
FEATURES

- Scale is removed from Circulation water and deposited in the electrolytic reactor
- Fully automatic system
- Automated Self-Cleaning Mechanism
- Media filter with auto back-wash arrangement
- Automated blow down from the system
- No plant shutdown for system installation
- User Friendly Graphical User Interface (GUI)
- Compactness ensures smaller foot print
- Minimal maintenance
- Green Technology

SCALE ACCUMULATION IN ECOMax-CT® REACTOR

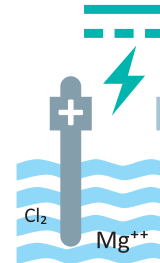
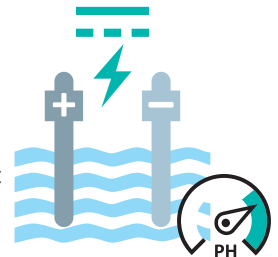


Patented ECOMax-CT® works on the principle of water electrolysis



Water from the cooling tower sump is pumped through the Electrolytic Reactor where electrolysis takes place. DC current is passed through Anode and Cathode.

At cathode OH⁻ ions are generated, which creates high pH environment at the walls of cathode.



This causes precipitation of calcium, magnesium and other dissolved salts that are present in the water and are deposited into the electrolytic reactor. Chlorine gas along with other oxidants are generated at anode, which act as disinfectants that reduces bacterial growth and algae formation at the cooling tower.



ECOMAX® is a leading manufacturer and supplier of Energy & Water Saving Products such as Automatic Tube Cleaning System for HVAC Chillers, Power Plants & Process Condensers and Electrolytic CT Water Treatment System, Electrolytic Chilled Water Treatment System. The products manufactured by ECOMAX® are Patented and are based on original designs. ECOMAX® is committed to offer clean technology based innovative solutions which results in substantial energy and water savings.

VISION AND MISSION

- To become one of the leading and most preferred company offering cutting edge niche Eco-friendly technologies
- To help our clients conserve Precious Natural Resources
- To maximise customer profits by creating wealth out of waste



**KALTIMEX
ENERGY**
Total Power Solutions

KALTIMEX ENERGY BANGLADESH (PVT.) LTD.

Green Orlando (8th Floor), Plot#KA 42-4, Progati Sharani, Dhaka-1229, Bangladesh.

T: +880 2 8418491-92,

E: sales@kaltimexbangla.com.bd | hvac@kaltimexbangla.com.bd

W: www.kaltimexbangla.com.bd