

A REVOLUTION IN SCALE FREE WATER FOR INDUSTRIES



Greenline Sales

ECOCLEAN

An Eco Friendly Natural Plants Based Liquid

Single material solving multiple water problems with zero bleed off



Our Plant based Organic Water Treatment Solution helps Industries with Boiler, Cooling Tower and Heat Exchanger at their facility who wants to eliminate Issues like Scaling, Corrosion, Fouling, Rusting, Bacteria and Algae by Implementing Eco-friendly process to reduce Water Consumption, Minimize breakdowns and Improve the life of assets.

ABOUT THE PRODUCT

- ☞ Eco-Friendly Product
- ☞ Liquid Solution
- ☞ Single Product Purely Organic
- ☞ Colorless to Pale Yellow
- ☞ PH-Nearly Neutral
- ☞ Sp. Gr 1.01 to 1.016
- ☞ Anti-Scaling, De-Scaling
- ☞ Anti-Corrosive, Anti-Rusting
- ☞ Anti-Bacterial, Anti-Algae & Anti-Fungal
- ☞ Act as an Oxygen Scavenger



APPLICATION & ADVANTAGES

- ☞ Boiler, Cooling towers & AHU
- ☞ Evaporative Condenser & Heat Exchanger
- ☞ Avoid Addition of Acidic Chemicals
- ☞ Avoid Addition of Basic Chemicals
- ☞ Enhance Heat Exchange in System
- ☞ Gradually Decrease Scale Load on System
- ☞ Reduce Water Loss
- ☞ Reduce Energy Loss
- ☞ Increase the Discharge Pressure
- ☞ Increased life of Pipes, Valves & Finns





PLANT BASED ECO FRIENDLY LIQUID

ECOCLEAN will complex the ionized metals into Non-ionized in nature in the form of Suspended as well as Precipitated solids. This will be heterogeneous in water and in due course will settle down due to its weight. It can also be removed manually or drained out. Scale on the surface have ions, these will be corroded by our liquid and it will form porosity (Holes) in the Scale. In the Porous, our liquid will penetrate and will form Protective film between the surface and scale. Scale will lose its grip and will fall in insoluble conditions. Thus, scale will be removed from the system.

ECOCLEAN will convert Ionized salts into Non-ionized form by our Liquid, hence living organisms will not get salts to grow. It's food chain will be cut-off and its growth will be destroyed.

ECOCLEAN is organic in nature, hence it oxidized itself completely and reduces the oxygen in water. Thus, oxygen will be eliminated from the system (or neutralized). Thus ECOCLEAN act as oxygen scavenger and avoid the formation of Rust and Corrosion. The same system will be followed in boiler also. Removal of scale will increase efficiency of the system and saves energy. As result the system will be free of frequent maintenance.

THE DOSAGE OF ECOCLEAN IS BASED ON THE FOLLOWING PARAMETERS

1. Total water stored in the system.
 2. Amount of daily make-up water.
 3. The quantity of water flowing in the system.
 4. Load on which the boiler and cooling tower runs.
 5. Total capacity of the boiler and cooling tower.*
- *Dosage may vary from system to system.

OBSERVATIONS :

In Cooling Tower :

1. Change in Colour and loosening of algae.
2. Flow of water.
3. Change in the PPM & TDS of in chilling compressor water.
4. Increase in discharge pressure & change in temperature.
5. Quality and transparency of water.

In Boiler :

1. Collection of blow down samples periodically at regular intervals.
2. Change in colour of blow down samples periodically.
3. Increase in pressure needed for the boiler.
4. Decrease in fuel consumption and water to fuel ratio.
5. Increase in the heat exchange.

COMPARATIVE STATEMENT OF ECOCLEAN WITH CHEMICALS USED IN WATER TREATMENT

Ecoclean

- ☞ Plant Based Organic Product
- ☞ Eco-friendly
- ☞ One liquid takes care of the system
- ☞ Non corrosive on any metal
- ☞ Salts can be removed
- ☞ No new scale formation
- ☞ Efficiency increase
- ☞ Remove algae and bacteria

Conventional Chemicals

- ☞ Acid based products
- ☞ Non Eco-friendly
- ☞ Minimum 3 chemicals are used
- ☞ Highly corrosive on metals
- ☞ Salts cannot be removed
- ☞ More scale formation
- ☞ Frequent shut down is required
- ☞ Do not remove bacteria completely



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