

Advantages

- Eco-Friendly Operation
- Space-saving & easily expandable.
- Ideal for remote locations with minimal maintenance.
- Cost-effective and sustainable.
- Significantly reduces contaminants and pollutants.

Applications

- Cooling towers
- HVAC systems
- Industrial water treatment
- Effluent and sewage treatment
- Pre-Treatment for RO Systems

Electrolytic Solutions

- Removes Biofouling & Scales
- 100% Chemical Savings
- 70% Blowdown Reduction
- Significant Energy Savings

Monetary Benefits

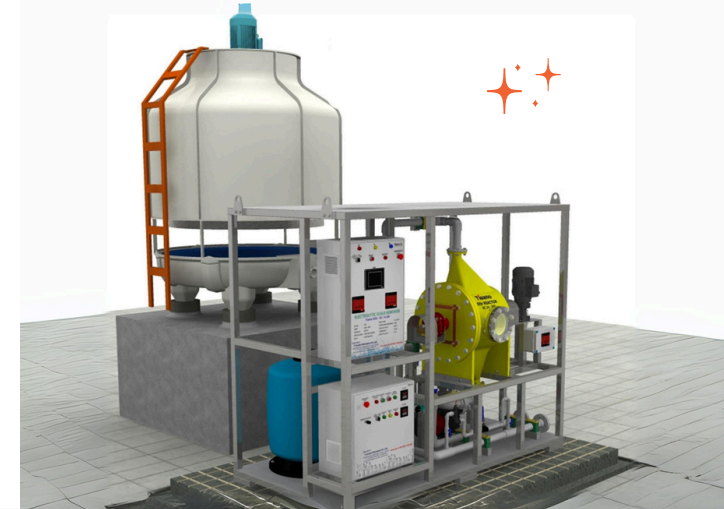
- Reduced Blowdown Water Costs
- Energy Savings: Up to 20% reduction in energy consumption.
- Chemical Savings: 100% savings on chemical additives.
- Maintenance Savings: Lower operational and maintenance costs.
- Operational Efficiency

VENLAR

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Comparison

- Electrolytic Solutions: Chemical-free, eco-friendly, low maintenance, higher COC, and energy-efficient.
- Chemical Dosing Systems: Recurring chemical costs, higher maintenance, limited COC, and potential environmental risks.

At Venlar, we are innovating for a cleaner tomorrow. We lead the way in providing advanced solutions for industrial processes and pollutions. Our mission is to enhance environmental sustainability through innovative products like Electrolytic Solutions.

EISr

Electrolytic Scale Remover

- Removes Biofouling & Scales
- 100% Chemical Savings
- 70% Blowdown Reduction
- Significant Energy Savings



The Electrolytic Scale Remover (EISr) by Venlar Corporation uses advanced electrolytic technology to control bio contamination, eliminate scale buildup, and improve energy efficiency in cooling tower water treatment without the use of harsh chemicals.

Working Principle

The EISr uses electrolysis, using direct current (DC) to induce chemical reactions in water. This process generates ions that control bio contamination and eliminate scale buildup by converting dissolved solids from ionic to molecular states. Suspended particles and scale deposits are coagulated and removed within the reactor and sand filter.

Advantages

- Natural biocide for CT water
- Significant energy efficiency+
- 100% chemical-free operation
- Self-cleaning system
- Reuse blowdown water



Application	: Waste Water Treatment	Designed by	: Tiaano
Raw Material	: Titanium, Aluminium	Installation at	: India
Quantity	: 1 Nos.	Inspection by	: Tiaano
Model No.	: Tiaano e-STP / 600 - 3	Gross Weight	: 950 Kg.

e-STP/ETP

Electrolytic Treatment Plant

- No greenhouse gas emissions.
- Compact & Modular Design
- Chemical-Free Treatment
- Minimal upkeep and noiseless.
- Improved Water Quality



Our Electrolytic Effluent Treatment Plant (E-ETP) and Sewage treatment plant E-STP utilize advanced electrochemical processes to treat wastewater without the need for chemical additives. These systems use electrocoagulation, electrooxidation, and electrochlorination to effectively remove contaminants, reduce sludge, and ensure high water quality.