



Eco EnServe Solution

Empowering Sustainable Future



Sales & Services



Energy efficient technologies and
Eco-friendly sustainable products

2025



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About Company

Eco EnServe Solution focuses on helping clients achieve sustainability goals by offering energy-efficient technologies. These solutions reduce operational costs, enhance energy security and lower carbon emissions, contributing to both economic growth and climate change mitigation.

Products & Services :

- ✔ Automatic Tube Cleaning System
- ✔ Electrolytic CT Water Treatment System
- ✔ Fan for AHU, HVAC Plant
- ✔ Self cleaning filter for water
- ✔ Activated Carbon Towers
- ✔ E Glass Fiber Thermal Insulation
- ✔ PPRC Pipeline
- ✔ Other Energy efficient Technologies

Reduced
Operating
Cost

Offering
Sustainable
Solutions

Synergy B/w
Savings and
Protection

Importance
of Energy
Efficiency



Automatic Tube Cleaning System

An Automatic Tube Cleaning System (ATCS) is a technology used to maintain heat exchanger tubes by preventing fouling, scaling, and debris buildup. Commonly applied in industries such as HVAC, power plants, process condensers, and industrial refrigeration, ATCS enhances thermal efficiency by keeping heat exchanger tubes clean.

Provides consistent and reliable cleaning, preventing performance degradation over time.

Key Features:

- ✔ Continuous Tube Cleaning & Automatic Operation
- ✔ Improved Thermal Efficiency
- ✔ Reduced Maintenance Costs
- ✔ Extended Equipment Lifespan
- ✔ Minimized Downtime
- ✔ Customizable Design
- ✔ Environmentally Friendly



Electrolytic CT Water Treatment System

Electrolytic Cooling Tower (CT) Water Treatment System is a chemical-free method for treating the water circulating in cooling towers. It uses electrolysis to treat water in an electrolytic reactor, effectively preventing scale buildup, controlling corrosion, and inhibiting microbial growth. This system improves the cooling tower's efficiency, reduces maintenance, and extends the equipment's lifespan without the use of harmful chemicals, making it an eco-friendly and cost-effective solution for maintaining water quality.

Key Features:

- ✓ Chemical-Free Operation
- ✓ Prevents Scale Buildup
- ✓ Corrosion Control
- ✓ Microbial Growth Inhibition
- ✓ Energy and Cost Efficiency
- ✓ Extended Equipment Lifespan & Eco Friendly



Fan for AHU, HVAC Plant

We offers a range of high-efficiency fans specifically designed for Air Handling Units (AHUs) and HVAC plants.

Eco Enserve provides high performance with compact design, leading to significant energy savings and reduced operational costs. Fans are a critical component in Air Handling Units (AHUs) and HVAC plants, as they ensure proper air circulation, ventilation, and temperature control within buildings.

Key Features:

- ✓ AHU system efficiency of 85%
- ✓ Fan efficiency upto 92%
- ✓ Life of 20+ years
- ✓ Recyclability rate of 98%
- ✓ Compact design
- ✓ Zero Maintenance
- ✓ Energy saving Upto 60%



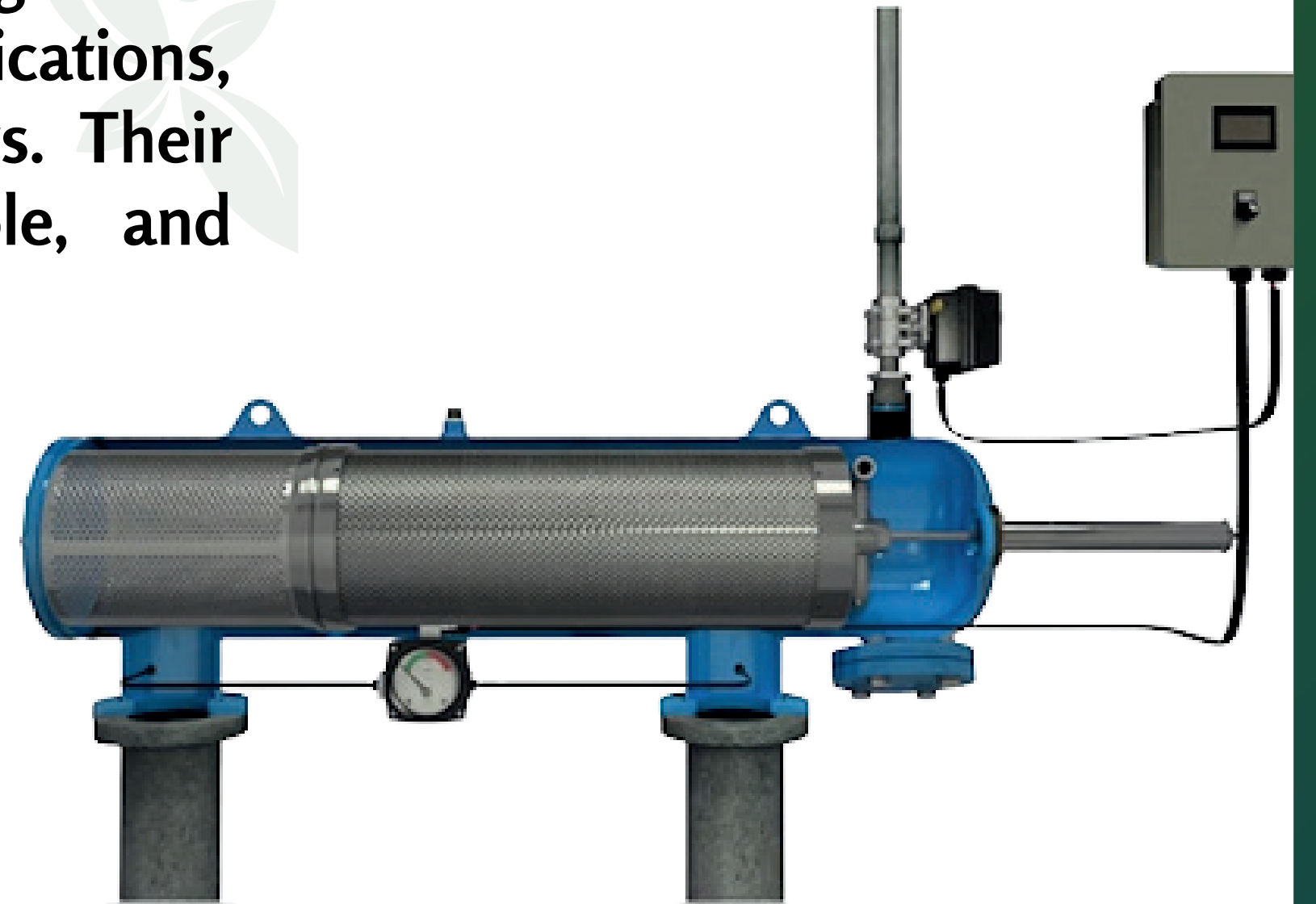
Self cleaning filter for water

Eco Enserve specializes in Automatic Self-cleaning water filtration systems designed for a variety of applications, including industrial, irrigation, and municipal sectors. Their filters are engineered to provide efficient, reliable, and sustainable solutions for water treatment needs.

Filter for water is designed to remove suspended solids and contaminants without manual intervention, ensuring continuous operation and minimal maintenance.

Key Features:

- ✓ Automatic Self-Cleaning Mechanism
- ✓ Versatile Design
- ✓ Robust Construction
- ✓ Customizable Solutions
- ✓ Continuous Operation
- ✓ High Efficiency



Activated Carbon tower

Activated Carbon Towers efficiently remove oil vapor from compressed air using inlet and outlet diffusers for uniform flow distribution. EcoEnserve adsorbers provide high-quality, oil-free compressed air that is odorless and tasteless. Installed after drying and pre-filtration, they achieve ISO 8573-1 Class 1 residual oil standards, ensuring reliable protection for sensitive processes.

Activated carbon towers are vital for purifying oxygen and nitrogen in air separation, eliminating contaminants for high-purity gases. EcoEnserve towers enhance efficiency with superior absorption and durability.

Key Features:

- ✓ Technically Oil free Compressed Air
- ✓ Energy Saving & Low Life-Cycle Costs
- ✓ Exceptional Reliability
- ✓ Long Activated Carbon Service Life
- ✓ Minimal Pressure Loss
- ✓ Accessories: Compressed Air Filters (Optional)



E Glass Fiber Thermal Insulation

E-glass fiber thermal insulation is a high-density, non-combustible, and reusable material used for thermal insulation in high-temperature industrial applications. Made from needle-mat E-glass fiber combined with an inorganic binder, it offers low thermal conductivity and is suitable for temperatures up to 750°C.

No dusting during removal, reusable without disposal, and can be repurposed in concrete reinforcement.

Key Features:

- ✓ High-Temperature Resistance
- ✓ More than 20 years of life with Same Performance
- ✓ Holds Hot fluid pipe in airtight manner
- ✓ Lightweight, Skin-Friendly & Completely Non Combustible
- ✓ Maintenance-Free, Reusable , End Use
- ✓ Good Aesthetics, Slick Insulation
- ✓ Fuel/Steam savings of 10%-30% compare to Conventional Insulation



PPRC Pipeline

Polypropylene Random Copolymer (PPRC) pipelines are plastic piping systems made from a blend of propylene and ethylene, offering durability, flexibility, and resistance to chemicals. They are commonly used in plumbing, industrial applications, and agriculture due to their ability to handle hot and cold water, as well as other fluids.

PPRC Pipes also eliminate painting costs with pre-colored coatings and require regular inspections in high-stress systems.

Key Features:

- ✓ Material Composition
- ✓ Cost-Effective & Eco-friendly
- ✓ Thermal & Corrosion Resistance
- ✓ Low Thermal Conductivity
- ✓ Longevity & Durability
- ✓ Hygienic, Non-toxic
- ✓ Easy Installation



Other Energy efficient technologies

We provide sustainable solutions for energy efficiency, emissions reduction, and resource optimization.

Our IE5 Motors, Motor Commander ID 300, and Variable Frequency Drives enhance efficiency, while Fuel Conversion for Boilers & Themic Fluid Heaters supports cleaner energy. Boiler Safety Audits improve safety, and Water & Wastewater Filtration Systems ensure effective water management.

Key Features:

- ✔ Optimize power consumption and reduce energy costs
- ✔ Ensure compliance and prevent operational hazards
- ✔ Support sustainable water management
- ✔ Technologies enable precise control and efficiency
- ✔ Lower carbon footprint
- ✔ Aiming for sustainability
- ✔ Reduced fuel, water & energy usage lead to lower operational expenses



Why Eco Enserve?

Our Commitment to Sustainability

- 🌍 Eco EnServe Solution is responsible for developing, implementing, and managing energy-saving strategies and initiatives while promoting environmental sustainability.
- 🌍 **For Better Tomorrow:** Technologies can help businesses demonstrate their commitment to sustainability, which can improve their reputation and attract customers who value environmentally responsible practices.

Contact us today to learn more about how we can help you implement energy-efficient technologies in your organization...



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