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ECO
Advanced Hybrid
Wastewater treatment
System

Textile Dyeing
WASTEWATER TREATMENT SYSTEM





Textile Dyeing Effluent Treatment System

Textile industry, are water extensive and have the main environmental concern about the amount of water discharged and the chemical load it carries.

Wastewater effluent from Textile Dyeing facilities bear a high degree of pollution load, causes damage to the environment and human health including suspended and dissolved solids, biological oxygen demand (BOD), chemical oxygen demand (COD), chemicals, contain trace metals like Cr, As, Cu and Zn, sulphide, salts, acidity/alkalinity, spent solvents, surfactant and color.



Understanding these challenges in Textile wastewater streams, we at RT ECO have come up with a unique Advanced Hybrid electrochemical based treatment system without using any chemicals or microbes.

RT ECO, Advanced Hybrid, Wastewater Treatment technology, has made it considerably easier, for Textile and Textile Dyeing industries to reuse water and also meet the consequent stringency in environmental legislation.

RT ECO, systems uses smaller footprint and requires 75 to 80% less space than conventional plants. Reduces labor requirements with automation.

Models

Model	Treatment Capacity (m ³ /day)	Flow Rate (Liters/hour)
RT ECO TX-5	5.0	500
RT ECO TX-10	10.0	1000
RT ECO TX-20	20.0	2000
RT ECO TX-30	30.0	3000
RT ECO TX-40	40.0	4000
RT ECO TX-50	50.0	5000





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pixecell
Electrocoagulation Cell



electro^ogen
Electro-Oxidation Cell



MCC & PLC Panel



RT ECO unique Hybrid Advanced Waste water treatment system incorporates electro-coagulation-flotation & electro oxidation cells to treat flow back water in a simple once through process making it suitable for reuse.

electro^ogen
electro-oxidation cell

pixecell
electrocoagulation cell

NURAI^oCELL
Electrocoagulation Flotation Reactor

**200 L
WATER**

TO PRODUCE
**1 KG
TEXTILE**

85%
PERCENT

**FRESH
WATER**

CAN BE

RECLAIMED

FROM

**TEXTILE
WASTEWATER**

AND

REUSED

**RECYCLE . REUSE
WATER**





RT ECO, electrochemical effluent treatment systems are fully automatic, skid mounted, designed for continuous operation which converts effluent into reusable water.

Input - Output Parameters for Textile & Dyeing Industry Wastewater Treatment Plant

Parameter	Wastewater (Raw Effluent)	Treated water
pH	4.0 - 7.0	6.0 - 8.5
COD (mg/L)	upto 10000	250
BOD (mg/L)	upto 6000	30

Unique Features

- Plug & play system
- Fully automated
- Instant start/stop operation
- Small foot print
- Low operating cost
- Requires low power
- No chemicals required
- Odour-free and noiseless operation
- Durable and non-corrosive components
- Suitable for remote locations
- Consistent and reliable results
- Odourless & colourless treated water
- High efficiency in COD, BOD, pollutant removal
- 100% disinfected treated water (bacteria-free water)
- Very low sludge generation
- Produces reusable water
- Meets environmental regulations

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Contact

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Dealers / Agents

