

# TRIDENT WATER SYSTEMS

## ELECTRO CONTAMINANT REMOVAL SYSTEM

Electrocoagulation Waste Water Treatment Solution



## TRIDENT ECR T-10 PRODUCT FACT SHEET

### ECR Overview

The Electro Contaminant Removal (ECR) utilises a unique Electrocoagulation treatment profile which does not require the use of any chemicals. The ECR is an alternative to conventional chemical and biological treatment processes. The system is designed to remove a whole spectrum of contaminants from wastewater, including Chemical Oxygen Demand (COD) / Biochemical Oxygen Demand (BOD), heavy metals, colour, oil & gas, and many others.

This is achieved without the use of chemicals.

### General Specification

Design Flow-rate: **10 m<sup>3</sup>/Hr**  
Maximum Flow-rate: **30 m<sup>3</sup>/Hr**  
Total Shipping Weight: **1.0 ton**  
Operational Weight: **1.7 ton**  
Work Area Dim: **2500 X 2500 mm**

### Chamber Specification

Number of Chambers: **1**  
Chamber Dimension (L x W x H): **1448 x 860 x 1217 mm**  
Chamber Material: **Fibre Reinforced Plastic (FRP)**

### Skid Specification

Number of Skids: **1**  
Skid Dimension (L x W x H): **2037 x 1371 x 1920 mm**  
Skid Material: **Mild Steel**

### Power Blades & Electrodes Specification

Number of Power Blades: **2**  
Power Blade Dimension (L x W x T): **800 x 400 x 3 mm**  
Power Blade Material: **Mild Steel or Aluminum**

Number of Electrodes: **143**  
Electrode Dimension (L x W x T): **600 x 400 x 3 mm**  
Power Blade Material: **Mild Steel or Aluminum**

### Electrical Panel Specification

Panel Rating: **100 A**  
Power Requirement: **380-440V | 50hz | 3 Phase**  
Panel Dimension (L x W x H): **760 x 380 x 1080 mm**  
Panel Casing IP Code: **IP55**

## ABOUT TRIDENT WATER SYSTEMS

Established and headquartered in Singapore, Trident Water Systems Pte Ltd ("TWS") is an industrial effluent treatment solutions provider.

The Company is experienced in handling the design, engineering, procurement, construction and operation of new Effluent Treatment Plants (ETP) including the expertise to handle large scale industrial Build-Own-Operate/Build-Own-Transfer ("BOO/BOT") Central Effluent Treatment Plant ("CETP") projects in the region. It is also able to retrofit existing ETP to increase the flow rate and treatment capability without any major infrastructure increase.

Through its offices in Singapore and Indonesia, TWS serves a clientele that span a broad spectrum of industries around the world.

## CONTACT US

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