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## Lab Scale Electrocoagulation Wastewater Treatment Unit

A lab-scale electrocoagulation (EC) wastewater treatment unit is a miniature version of a system used to remove contaminants from water and wastewater using electricity. It's ideal for researchers, and small-scale industrial applications to test and optimize the EC process for specific wastewater streams.

### Description:

The core components of a lab-scale EC unit typically include:

**Reactor vessel:** This tank holds the wastewater to be treated. It's often made of transparent material for easy observation of the treatment process.

**Electrodes:** Two electrodes, typically made of aluminum or iron plates, are submerged in the wastewater. One electrode is connected to the positive terminal (anode) and the other to the negative terminal (cathode) of a power supply.

**Power supply:** A DC power supply provides the electrical current that drives the electrocoagulation process.

**Flocculation mechanism (optional):** Some units might incorporate a stirrer or mixer to enhance the collision and aggregation of contaminants during the process.

**Sampling ports:** These allow for collecting influent (untreated) and effluent (treated) wastewater samples for analysis.

### Features:

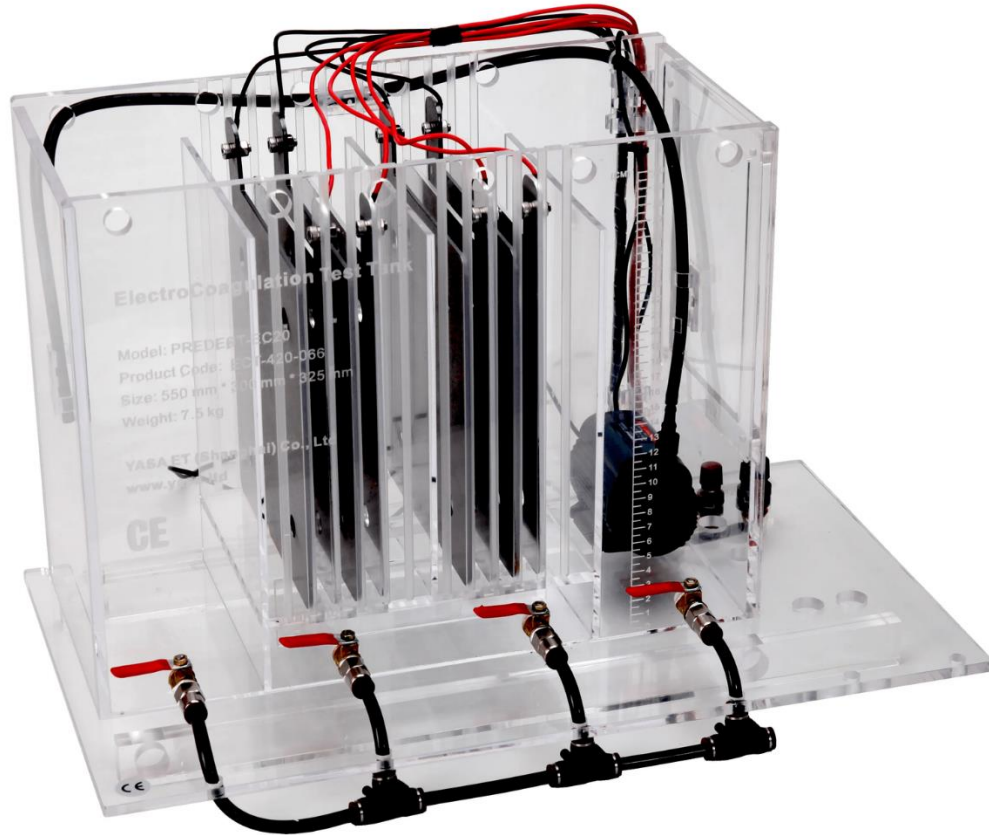
**Compact size:** Designed for laboratory use, these units have a small footprint and are easy to set up and operate.

**Adjustable parameters:** Researchers can control various factors like voltage, current, treatment time, and electrode material to optimize the EC process for specific contaminants.

**Visible operation:** The transparent reactor allows for visual monitoring of floc formation and treatment progress.

**Relatively simple setup:** Lab-scale units are designed for ease of use and often require minimal maintenance.





## Laboratory Scale Water Chiller

Product Description
10 L PP Electrocoagulation unit (Customized Available)
Copper Electrodes, plate type with compatible dimension (As per requirement)
Aluminium Electrode, plate type with compatible dimension (As per requirement)
Metal Electrode, plate type with compatible dimension (As per requirement)
Temperature Sensor (20°C-150°C)
Good quality pH Sensor (2-12) with provision of calibration
DC Power Supply (As per requirement)
Current Density Meter with Stabilizer for highly stable variable current supply (wide range)
Electrode Connection (Single Lot)





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