

ELECTROCHLORINATION SERIES.

UNITED WATER TECHNOLOGIES PTE LTD

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CONTINUOUS PROCESS CHLORINATOR

Our Model PCP is a Continuous production system. The system contains all the equipment required for continuous production of 0.6 to 0.8% Sodium Hypochlorite. Fresh water flows through a Rotameter into the Electrolyzer chamber. Brine from Brine Tank is pumped through a metering pump and is injected into the pipe carrying fresh water. In the Electrolyzer chamber the salt solution gets converted to Sodium Hypochlorite and fills into storage tank.

The entire process is automatic with multiple interlocks. The system is provided with the following:

An inlet solenoid valve to control Fresh water.

A temperature sensor to protect the Electrolyzer from over heating.

A level switch to regulate Hypochlorite storage tank level.

A titanium coil-cooling chamber to cool the Sodium Hypochlorite produced.

A forced draft Hydrogen evacuation system

An Acid cleaning system to remove scales.



BATCH PROCESS DIP CELL CHLORINATOR

Model PBP-DIP is also a batch process system. After filling a tank with water and dissolving the required amount of salt, the portable Electrolyzer is dipped inside the tank. The Control Module is connected to the Electrolyzer through a pair of cables. The timer in the Control Module will automatically shut off after producing the required amount of Chlorine. The Electrolyzer can be cleaned easily by dipping the cell in a tank with a mild acid solution.



RURAL WATER PURIFICATION

Nearly 30,00,000 people die each year all over the world due to waterborne diseases, out of these 19,00,000 are children. Waterborne diseases can be controlled only by point of use disinfection. Pristine Water Electro Chlorinator produces **Sodium Hypochlorite**, which is the most effective and stable disinfectant to purify drinking water. This easy to use equipment is the only way to provide safe drinking water to the Rural and the Urban poor.

