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Water Treatment Systems

INTRODUCING ELECTROPULSATION...

A MORE ECONOMICAL AND EFFECTIVE WAY TO TREAT INDUSTRIAL WASHWATER

PROVEN MORE EFFECTIVE THAN FILTRATION & CHEMICAL TREATMENT

The ElectroPulsation system represents a major advancement in wastewater treatment using Electro-Coagulation, a revolutionary electrical-based technology for effectively treating complex waste streams economically and on-site.

The EC system removes a broad range of contaminants including emulsified oils, TPH, suspended solids and heavy metals - - Where filtration or chemical treatment systems are either ineffective or expensive to operate and maintain

EC-treated wastewater is of quality that it can be reused or discharged to the sanitary sewer.

Packaged with on-board automation, the EC is fully automated reducing maintenance by up to 95% and creating significant labor savings.

Benefits of the ElectroPulsation Electro-Coagulation System

- Meets discharge requirements or recycles it (zero discharge)
- No filters to hassle with
- Minimal sludge to dispose of
- Low Operating Cost
- Low maintenance (Self Cleaning)
- No hazardous chemicals needed
- Totally automated (Easy to operate)
- Treats most complex waste streams

Applications:

Heavy Equipment Washing
Car / Truck Washing Detail
Boat / Marina / Shipyard
Aircraft / Military
Forest Products / Groundwater Remediation
Surface Finishing / Polishing

Water Tight Control Center - Industrial-grade enclosures houses operational switches as well as automated equipment and indicator lights; cover is clear for easy troubleshooting and monitoring without removing the cover panel.

Separation Tanks - Charged Wastewater flows through a series of tanks, each removing sludge and floating contaminants thus polishing the water.

Electro-Pulse Treatment - Wastewater is exposed to electro-pulse treatment in cells, which are modular to accommodate varying flow rates



Cell Back-Flush system - Automated back flush system ensures the electrical plates are regularly cleaned for optimum electro coagulation effectiveness and long life of the plate assembly

PROVEN EFFECTIVE IN REMOVING:

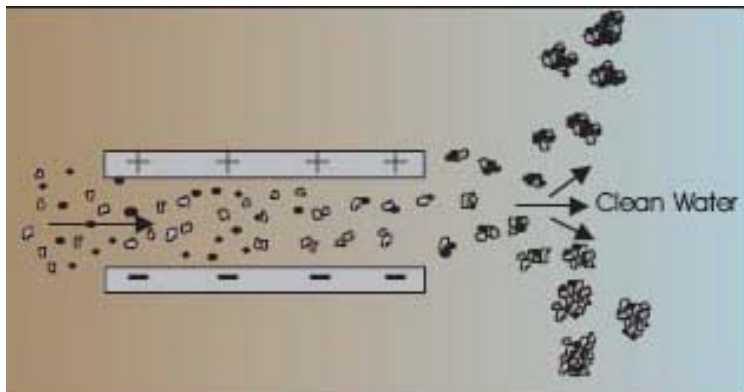
1. Solids, including red clay and heavy solids
2. Emulsified oils & grease; suspended & dissolved solids
3. Heavy metals, TPH, oil, grease
4. TPH, tannin, copper, chrome, arsenic
5. Heavy metals (chrome, copper, zinc, nickel, etc.)

ELECTROPULSATION WASH WATER RECYCLE SYSTEM

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How Electropulsation Works:

As wastewater contaminates (i.e. Heavy Metals, Suspended solids and emulsified oils) pass by the electropulsation plates energized by DC voltage, they accept a positive and negative charge causing the tiny particles to bond together like miniature magnets. The clumps of particles either sink or float, depending on the characteristics of the waste stream.



The Electropulsation Secret

In addition to the electropulsation process generated by the carefully configured cells and plates, the electropulsation system is unique in the way the cells are arranged in relation to a series of tanks and pumps thus creating highly polished water for discharge to sanitary sewer or for recycling. Furthermore, the electropulsation features a custom computer program technology that ensures a highly effective and virtually maintenance-free operation, including remote diagnostics when a phone line is available.



The Cost of Operation

The cost of wastewater treatment, including electricity and consumables, typically is only about \$3.00 per 1000 gallons of treated water, or less than 1/3-cent per gallon! Also, there are significant savings in labor cost because the EC is fully automated. The electropulsation is extremely effective in treating complex industrial waste streams at flow rates of up to 65 GPH and higher, if needed. There are no filters to clean and no hassles or liability in disposing of filters or filtering media.

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www.floridawaterblast.net - email: floridawb@.com - Product description & specifications subject to change without notice.

Help Desk

For a potential customer, the factory team of application experts are ready to assist in solving your processing challenges. As part of the service, we conduct a free Waste Stream Feasibility Test, using a wastewater sample from your facility, that will tell you very specifically the type of electropulsation system that will meet your needs, the quality of water you can expect to receive from your system, initial system cost, operational cost and footprint.

After the purchase: The factory toll free help desk is available 24/7 to answer any of your questions, including operational changes, water quality and staff/management changes. This service is provided for a minimum of 2 years from system installation.