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The Proven Wash Water Treatment System

Proven to be more effective than Bioremediation Or Filtration

If you are ready to eliminate the hassle of changing or cleaning high-maintenance filters or adding messy separation chemicals to your wash-water treatment system, you have found the answer.

Technological advancements are changing the world we live in and wastewater treatment is no exception. Mechanical filtration, chemical treatment and bioremediation are antiquated technologies of the past for treating wastewater.

The revolutionary ElectroPulse system is very effective at removing a broad range of contaminants with a "One Step Treatment Process"-including emulsified oil & grease, suspended solids and heavy metals--where other treatment systems (i.e.. Chemical treatment, filtration, bioremediation, etc.) are either maintenance intensive or very inefficient to operate.

Communication Package - With connection of a phone line to the ElectroPulse control panel, the system can be monitored for proper operation, processing errors and upgrades to operational program, real-time directly from the OilTrap factory.

Water-Tight Control Center - Industrial-grade enclosure houses operational controls as well as automation components and indicator lights; which are surface mounted for easy monitoring without removal of the cover panel.

ElectroPulse Treatment - As wash water passes through the ElectroPulse cells which are modular to accommodate varying flow rates, heavy metals are oxidized, suspended solids and oil & grease are coagulated and removed from the water.



Pressure Pump - Corrosion resistant stainless steel pressure pump, pressurizes treated water to 60 PSI for reuse through a pressure washer or garden hose (WR system only).

Corrosion Resistant Skid and Housing - All components are mounted on a corrosion-resistant plastic skid and are manufactured of either powder coated marine-grade aluminum or PVC. Aluminum will stand up to some of the most harsh wash water environments.



Benefits of the ElectroPulse System

- Removes heavy metals, emulsified oil & grease
- Saves money by reducing sewer discharge fees and water consumption by recycling water
- No filters to clean, change or backwash
- Treats complex waste streams with guaranteed results
- Totally automated (Easy to operate)

Contaminant	Untreated Water	EC Treated Water	Removal Efficiency
TSS	990 mg/L	2mg/L	99.8%
Oil & Grease	110 mg/L	3.6 mg/L	96.7%
Zinc	15 mg/L	0.014 mg/L	99.9%



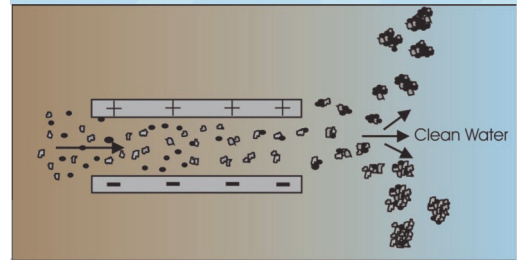
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ElectroPulse Wash-Water Systems

Model	Flow Rate	Treated Water	Ph Adjust	Operational Voltage
EP5-SD	5GPM	Sewer	Digital	208/230V 1 Ph
EP5-WR	5GPM	Recycle	Digital	208/230V 1 Ph
EP10-SD	10GPM	Sewer	Digital	208/230V 3 Ph
EP10-WR	10GPM	Recycle	Digital	208/230V 3 Ph

How Electrocoagulation Works



As wastewater contaminants (I.E.) suspended solids, heavy metals, and emulsified oil & grease) pass by the electropulse plates, which are energized by a DC electrical current, They accept a positive and negative charge causing the tiny particles to bond together like miniature magnets. Contaminants are then automatically removed from the clear phase of water and transferred to a sludge dewatering system for easy management

Comparing Technologies

	Mechanical Filtration	Bioremediation	Chemical Treatment	ElectroPulse
Clean Water	Not Effective	Not Effective	Moderately Effective	Very Effective
Price	Moderately Effective	Moderately Effective	Not Effective	Very Effective
Ease of Operation	Not Effective	Moderately Effective	Not Effective	Very Effective
Ease of Maintenance	Not Effective	Moderately Effective	Not Effective	Very Effective
Oil Removal	Moderately Effective	Moderately Effective	Very Effective	Very Effective
TSS Removal	Moderately Effective	Not Effective	Very Effective	Very Effective
Metal Removal	Not Effective	Not Effective	Moderately Effective	Very Effective