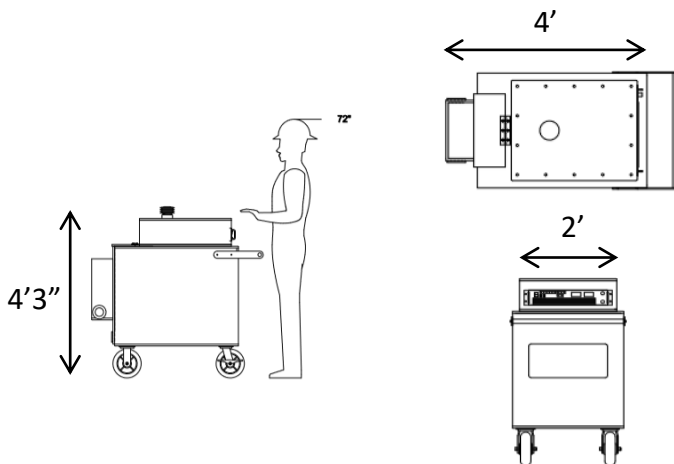


THINCELL® CART ELECTROCHEMICAL (EC) TREATMENT SYSTEM

Low Treatment Rate Applications, Treatability Testing for High Treatment Rates



Actual product may vary due to site-specific application



THINCELL® TECHNOLOGY

Thincell is a unique, advanced, patented, electrochemical technology and radically different than Traditional electrocoagulation predecessors. Thincell eliminates passivation, solving Traditional electrocoagulation's reliability, HSE, and OPEX challenges.

Thincell uses electrocoagulation principles but is unlike any treatment process available today. The Thincell innovation uses proprietary anodes and cathodes combined with a completely sacrificial bipolar multivalent electrode and custom-designed fluidized bed. The result is an economical, unique problem-solving process that reduces contaminants from liquid streams more effectively than any traditional electrocoagulation method.

OPERATIONAL PARAMETERS	IU	METRIC
Hydraulic Flow Rate - Fluid Dependent	20 gpm	.075 m ³ /min
OPERATIONAL PARAMETERS	IU	METRIC
Weight (Dry)	150 lbs	68 kg
Dimensions (L x W X H)	48" x 24" x 51"	121 cm x 61 cm x 129 cm
Inlet Size/Type	2" FPT	5.08 cm FPT
Outlet Size/Type	2" FPT	5.08 cm FPT
POWER		
Nominal Power Required	480V VAC, 3 Phase, 60 Hz	
OPTIONS - APPLICATION SPECIFIC		
Variety of Options Available	Drain Pans, Skids, Lifting, Power Supply, Safety, Instrumentation	
Services Available	Treatability, Lab Testing and Analysis, Field Pilot Studies and Flow Loop Testing	

SIMPLE

SMART

ONE TECHNOLOGY

Treats a Wide Range of Organic and Inorganic Contaminants

EASILY INTEGRATES INTO EXISTING TREATMENT SYSTEMS

Improve Influent & Effluent Quality, Expand Plant Capacity, Isolate & Treat Troublesome Waste Streams

COMPACT, MODULAR, SCALABLE

Small to Large Process Volumes & Treatment Rates

EFFICIENT

Continuous Treatment, Minimal Downtime

EFFECTIVE

Continuously Meets Effluent Goals

LOW OPERATING COSTS

Minimal Maintenance, Low Power Requirements, No Electrode Passivation, Replaces or Significantly Reduces Chemical Treatment

SACRIFICIAL MULTIVALENT BI - POLAR ELECTRODES

Recycled waste material, a Waste to Treat a Waste

ELIMINATES OR REDUCES

Chemical Treatment and the Addition of Secondary Pollutants

MINIMAL WASTE

Sacrificial Electrodes Consumed

REDUCES HSE RISKS

Minimizes Personnel Handling, Waste Generation, and Disposal

THINCELL® | PERFECTLY SCALABLE TO TREAT ANY NEEDED FLOW RATE!



Thincell Electrochemical Technology induces multi-treatment reactions in a single, fluidized bed reaction chamber yielding unparalleled results

- Electrolytic Oxidation
- Emulsion Destabilization
- Coagulant Formation
- Coagulation and Flocculation
- Flotation

APPLICATIONS



MUNICIPAL WATER
/ WASTEWATER



REFINING



UPSTREAM OIL GAS



MINING



INDUSTRIAL



FOOD

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