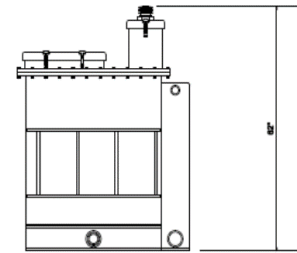
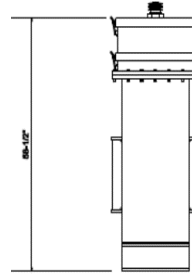
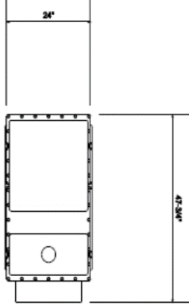


**THINCELL® GT434 ELECTROCHEMICAL (EC) TREATMENT SYSTEM**  
*Modular and Easily Scalable for Large Volume Applications*



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	125 gpm	.47 m <sup>3</sup> /min
OPERATIONAL PARAMETERS	IU	METRIC
Weight (Dry)	210 lbs	95.5 kg
Dimensions (L x W X H)	24" x 48" x 62"	60 cm x 122 cm x 157 cm
Inlet Size/Type	4" FPT	10.16 cm FPT
Outlet Size/Type	4" FPT	10.16 cm FPT
POWER		
Power Required	480 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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