

THINCELL® GT434 ELECTROCHEMICAL (EC) TREATMENT SYSTEM

Modular and Easily Scalable for Large Volume Applications



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	SAE	METRIC
Maximum Flow Rate – Fluid Dependent	125 gallons/minute	473 Liters/minute
Weight (lift)	625 lbs.	283 kg
Dimensions (D X H)	2'6" x 4'0"	0.76 m x 1.22 m
Inlet Size/Type	4" – ANSI 150# Flange	10.16 cm – ANSI 150# Flange
Outlet Size/Type	3" - ANSI 150# Flange	7.62 cm - ANSI 150# Flange
POWER		
Nominal Power Required	480 Volt AC, 60 Hz, 3 – Phase, 70 kVa	
OPTIONS - APPLICATION SPECIFIC		
Variety of Options Available	Drain Pans, Skids, Access, Lifting, Power, Safety, Instrumentation, and Automation	

SIMPLE

SMART

ONE TECHNOLOGY

Treats a Wide Range of Organic and Inorganic Contaminants

EASILY INTEGRATES INTO EXISTING TREATMENT SYSTEMS

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

COMPACT, MODULAR, SCALABLE

Small to Large Process Volumes

EFFICIENT

Continuous Treatment, Minimal Downtime

EFFECTIVE

Continuously Meets Effluent Goals

LOW OPERATING COSTS

Minimal Maintenance, Low Power Requirements, No Electrode Passivation, Replaces or Significantly Reduce 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 Completely Dissolve, No Media Disposal

REDUCES HSE RISKS

Minimizes Personnel Handling, Waste Generation, and Disposal

THINCELL® | PERFECTLY SCALABLE TO TREAT ANY FLOW RATE!



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

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

APPLICATIONS



MUNICIPAL
WASTEWATER



REFINING



OIL & GAS



MINING



INDUSTRIAL



PETROCHEMICAL

532 Stonegate Drive
Suite 100
Katy, TX 7749
+1 281-601-1444

*Customer Care, Sales, Engineering,
Feasibility Testing, R&D*

3070 N Main St
Kennesaw, GA 30144
+1 478-662-9280

*Customer Care
Sales, Engineering*

Av Rui Barbosa 1831
Suite 410/411
Macaé - RJ
CEP: 27910 Brazil

*Customer Care
Sales, Engineering*

Rua Ewerton Visco, 290
Ed. Boulevard Side Empresarial,
Sala 1901
Salvador – BA
CEP: 41820-022 Brazil

Customer Care, Sales, Engineering