AQUACYCL

BETT®

BioElectrochemical Treatment for High-Organic Wastewater

Low Sludge | Low Chemical | Low Energy | High Resilience

Open New Verticals with Innovative Technology

Aquacycl's BioElectrochemical Treatment Technology (BETT®) provides reliable, plug-and-play solution for high-organic and variable-load industrial wastewater. BETT® handles what conventional aerobic and anaerobic systems cannot, treating BOD concentrations up to 150,000+ mg/L.

Outperforming all conventional wastewater treatment in key areas (cost, energy-efficiency, chemical-use, reliability, and operation), BETT® helps you diversify your portfolio and provide your clients with the most effective solution for high-organic wastewater.

Applications

BETT® can treat wastewater with a wide range of pollutants, from chemicals, to biofuels, to organic and inorganic materials. Proven 12-24 month ROI in F&B applications.

Our validated applications include:

- **Food & Beverage:** bottling, distillery, brewery, confectionery
- **Chemicals:** hydrocarbon remediation, diesel, gasoline
- **Pharmaceutical:** supplements, medications
- **Agricultural:** swine manure management

Engineered Benefits for Design & Operations

Retrofit-Ready

No need to rip and replace. Systems are custom-built to fit facility layout with minimal footprint and infrastructure.

Modular & Scalable

Built to grow with your clients and support your growing portfolio.

Performance Guarantee

We guarantee high efficiency of our systems with performance objectives in our agreements so your clients gain peace of mind with their wastewater.

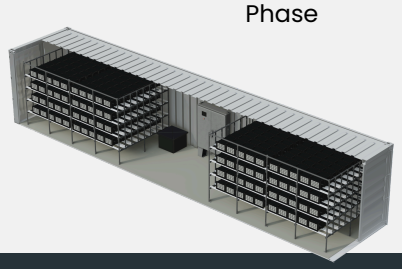
PERFORMANCE METRICS

BOD Concentration	1,000-150,000 ppm
TSS Concentration	0-5,000 ppm
FOG Concentration	0-300 ppm
BOD Removal Rate	80-95%
COD Removal Rate	70-90%
Maximum Flow Rate	*up to* 10,000 gpd*
Energy Consumption	0.2-0.4 kWh/kg-BOD removed
Energy Recovery	0.2-0.6 kWh/kg-COD removed
Sludge Production	0.01% - 0.07% biomass / kg-COD treated
Treatment Time	6-24 hours
Lead Time	6 months per container
Expected ROI	12-24 months (F&B applications)

*Volumes can be increased for non-containerized systems

SPECS

Length (L)	40 FT (12.2m)
Width (W)	8 FT (2.4m)
Height (H)	9 FT (2.7m)
Weight (Dry)	21,800 lbs (9,888Kgs)
Weight (Full)	36,200 lbs (16,420 Kgs)
No. of Reactors	640 Units
Communication	4G / 5G / Satellite
Power Input	240 VAC Single Phase



Contact Us

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