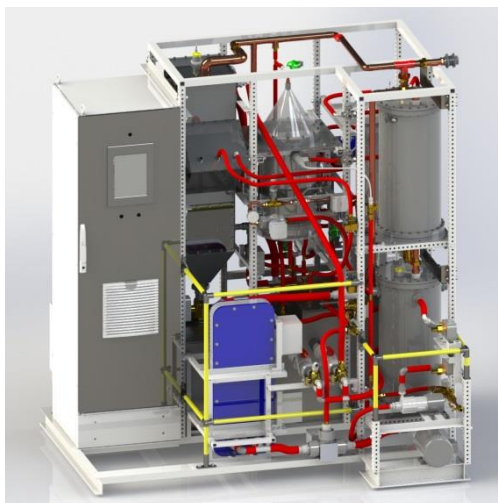
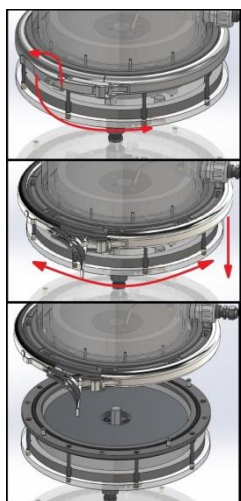


Wastewater Electrochemical Treatment Technology

WETT-S removes virtually any pollutant from sewage or black water for safe discharge

- Free and Emulsified Oils • Grease • Heavy Metals • Suspended Solids • Dissolved Organics
- Bacteria/Virus • Detergents • Phosphorus • Nitrogen • Pharmaceutical Residues

*Simple electrode change-out
In less than 15 minutes*



- Chemical-free and Membrane-free*
- Fully Automated and Self-Cleaning*
- Unaffected by Pitch, Roll and Vibration*
- Removes Deleterious Phosphorus & Nitrogen*
- Removes Toxic Heavy Metals*
- ON/OFF Operation*
- Treated Effluent in less 2 Hours*
- Can be Safely Operated in Sensitive Areas*

WETT is Terragon's patented technology. **WETT-S** purifies sewage or black water using proprietary, compact and efficient electrochemical purification reactors to provide ultra clean water for safe discharge even in sensitive areas.

FEATURES

- WETT-S is a patented technology which consists of a solids separator, proprietary electro-coagulator, cutting-edge electro-oxidator, and polishing stages
- Push button start-up, automated operation with ON/OFF capability and remote monitoring
- Continuous treatment 24/7
- Generates half the sludge of treatment systems using chemical coagulants

TYPICAL TREATMENT RESULTS

Parameters in Treated Effluent	
BOD ₅ (mg/L)	<25
COD (mg/L)	<50
TSS (mg/L)	<10
TN (mg/L)	1.5
TP (mg/L)	<0.02
F.C. (UFC/100mL)	<10
F. Cl ₂ (mg/L)	<0.5
TOG (ppm)	<5





TECHNICAL SPECIFICATIONS - WETT-S PRE-COMMERCIAL PROTOTYPE (1.4 m³/d model)

Total Weight	Approximately 1200 kg (2,640 lbs)
Overall Dimensions	Approximately 2.2 m (L) x 1.6 m (W) x 2.3 m (H) 6.9 ft (L) x 5.0 ft (W) x 7.4 ft (H)
OPERATING CONDITIONS	
Nominal Waste Water Throughput	1.44 m³/d (380 gal/d)
Liquid Temperature	4-55 °C (39-131 °F)
Ambient Temperature	< 40 °C (104 °F), control cabinet must be air cooled if T > 40 °C (104 °F)
Types of Waste Water	Vacuum-collected black water or sewage (gravity-collected greywater + vacuum-collected black water) Can treat gravity-collected black water if fresh water is used
UTILITIES / CONSUMABLES	
Electrical Consumption	<5 kW (230 or 440VAC/60Hz)
Aluminum Electrodes	Average of 4kg/month for Nominal Waste Water Throughput (3 month replacement) Will vary depending on wastewater generation rate and pollutant levels
Fresh Water	4 L/min at 16 psi (1 gal/min) for automatic 30 min cleaning procedure performed daily
Dilution Air	95 L/min (200 CFH) for dilution of gaseous emission
EMISSIONS	
Gaseous	Total flow approximately 0.38 L/min (0.8 CFH) H ₂ + 0.11 L/min O ₂ (0.23 CFH) at 30 °C (86 °F)
Treated Effluent	Typically 1.35 m³/d (361 gal/d)
Wastewater Sludge	Typically < 5% of the Nominal Waste Water Throughput
Audible	Negligible
Surface Temperatures	Less than 35 °C (95 °F)

LARGER SYSTEMS AVAILABLE

WETT-S comes in two basic modules:

- 1.4 m³/d module
- 7.2 m³/d module

Therefore, any treatment capacity can be satisfied using one or several of these modules.

For more information about a potential trial using our WETT-S or about the larger systems, please contact us.

WETT-S 4.3 M³/D MODEL IN A TRICON

