

Modular BioSystems for Total Flexibility

All-Natural Recycle or Discharge Systems

For Industrial and Transportation Applications

Easy to Maintain with Automatic Purge Feature



Below is a typical configuration for a recycle system

■ Proprietary **BioStax 1800 Microbial Solution** uses time-sequenced aeration of bacteria to control odor and create degradation of Total Petroleum Hydrocarbons (TPH), herbicides, insecticides and pesticides (HIPs). BioStax microbes are certified by the American Type Culture Collection (ATCC) as gram positive, pathogen-free, Class 1 organisms. The microbes effectiveness is further enhanced by the simultaneous injection of the Water Maze's **BioNutrient** solution.



Certified to UL-1081 Safety Standards

Stage 1: CLT-600 for enhanced bio-digestion

165-gallon transfer tank

Stage 2: CLB-603A/B main bio-digestion unit with automated controls

Stage 3: CLB-30 pre-treatment tank with Bio-Media and AirStick
Add more CLT units as needed

■ More than 2,000 cubic feet of **Bio-Media** in each CLB tank create an ideal breeding ground for aerobic bacteria to quickly multiply and consume hydrocarbon-based contaminants, converting them to harmless H₂O and CO₂. The media is kept in bags that are easy to remove and service.

■ **Timer-controlled Purge System** automatically removes sludge and also flushes the system with treated water for ease of maintenance.

■ Water-resistant, metal cabinet is protected by a powder-coat epoxy finish and houses the **Control Center**, including timers and dispensing pumps. A water-resistant Nema 4 fiberglass control box protects electrical componentry.

■ High-output **UV Ozone Generator** for additional polishing of the water (CLB-603 only).

■ Optional submersible, cast iron **Sump Pump** is designed to lift heavy solids typically found in industrial applications.

■ **3/4 HP Circulation Pump** increases microbial digestion by creating optimum exposure of the wastewater to the bags of bio-media.

■ Conveniently located **Hose Connections** are clearly labeled for water inlet, fresh-water make-up, rainwater overflow and recycling (CLB-603 only).

■ Durable, high-density, crosslinked polyethylene **BioSystem Tanks** are extra-resistant to chemical fatigue and ultraviolet exposure. The polyethylene also attracts oils and organics providing additional surface area for biological growth.

■ High-efficiency **Aeration System** with air pump and diffuser stones delivers approximately 15 pounds of oxygen per day to maximize aerobic digestion rates and overcome high BOD levels.

■ Cone-bottom **CLT and CLB Tanks** have a 55-degree slope to enhance the settling and removal of suspended solids in the wastestream.

CLB

Advanced Biological Treatment Systems for Treating & Recycling Industrial Wastewater

For Commercial & Industrial Wastewater Treatment | Modular BioSystems for Total Flexibility | Recycle or Discharge Units

The Water Maze BioSystem or CLB series employs the latest in bio-technology for treating and recycling commercial and industrial wastewater where there's a high organic or oily content in the wash water.



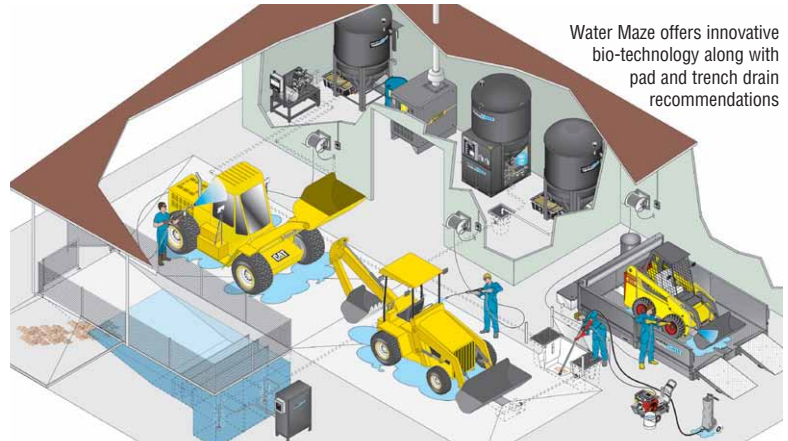
Liquid concentrate of the BioStax 1800 microbial solution comes in a variety of sizes along with our BioNutrient enhancer.

The unique design of the CLB features modular components so the system is customized to match the requirements of each specific application as well as to keep the equipment cost and performance to only what is truly needed. Moreover, the systems are automated for ease of maintenance.

Water Maze's advanced bio-technology features super-efficient aerobic microbial digesting, enhanced water circulation, injection of cultured microbes

at concentrated levels and the introduction of a special microbial nutrients blend.

Unlike filtration systems, which create a sometimes hazardous sludge, the BioSystem naturally converts organic contaminants, such as oil, grease, etc., in a waste stream into harmless water and carbon dioxide. Other features include: high-density, crosslinked, polyethyl-



Water Maze offers innovative bio-technology along with pad and trench drain recommendations

ene tanks; water-resistant electronics control panel; and 2,087 sq. ft. of bio-media.

CLB Specifications

	RECYCLE SYSTEM	DISCHARGE SYSTEM	AUXILIARY UNIT	
MODEL	CLB-603	CLB-600D	CLB-30D	
Designed For	Recycle	Discharge	Auxiliary	<p>* THE PROCESSING RATE varies for each site. Factors that must be considered are:</p> <ul style="list-style-type: none"> • Average daily flow (gallons per day) • BOD levels (ppm); • Oxygen input (dissolved oxygen); • Hydraulic retention time (HRT); • Total petroleum hydrocarbons (TPH); • water temperature and pH. <p>Based on these factors a qualified Water Maze sales engineer will calculate the estimated processing rate and make a recommendation as to the size of system needed.</p>
Tank Capacity	600 gal.	600 gal.	600 gal.	
Tank Material	Polyethylene	Polyethylene	Polyethylene	
Processing Rate	See explanation at right	See explanation at right	See explanation at right	
Bio-Media	2087 sq.ft.	2087 sq.ft.	2087 sq.ft.	
Sump Pump	Optional	Optional	Optional	
In-Feed / Circulation Pump	3/4 HP	3/4 HP	N / A	
Transfer Pump	3/4 HP (2 HP optional)	N / A	N / A	
Ozone Pump	3/4 HP	N / A	N / A	
Ozone Generator	4-Tube Ultraviolet	N / A	N/A	
Electrical	230V 1ph 20 amps	120V 1ph 9 amps	120V 1ph 1 amp	
Aeration	High-efficiency air pump	High-efficiency air pump	High-efficiency air pump	
Dimensions	65" L x 54" W x 105" H	65" L x 54" W x 105" H	65" L x 54" W x 101" H	
Ship Weight	1,050 lbs	TBD	TBD	

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We Know How To Get Things **CLEAN**

OPTIONS INCLUDE: BioStax 1800 or 100 Hawaiian Blend, microbe concentrate; BioNutrient microbe nutrient source; 300- and 600-gallon tanks for added processing; pH controller; sump pump; oil skimmer with collection tank; sludge tub with lid; and sump pump.

See your Water Maze Dealer for part numbers and pricing.



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