## water^\aze

Modular BioSystems for Total Flexibility All-Natural Recycle or Discharge Systems

Works for Golf-Turf and Industrial Applications

Easy to Maintain with Automatic Purge Feature

**Advanced Biological Treatment Systems for Golf, Commercial** and Industrial Wastewater

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, pathogenfree, Class 1 organisms. The microbes effectiveness is further enhanced by the simultaneous injection of the Water Maze's BioNutrient solution.

Below is a typical configuration for a recycle system



- Optional cart for easy disposal of grass clippings
- CLT-300 pre-treatment tank with optional HydroScreen
- Optional recycled water holding tank
- CLB-603A/B main bio-digestion unit with automated controls
- CLT-600 for enhanced bio-digestion (add more CLT units as needed)

- More than 2,000 cubic feet of Bio-Media create an ideal breeding ground for aerobic bacteria to quickly multiply and consume hydrocarbon-based contaminants, converting them to harmless H<sub>2</sub>O and CO<sub>2</sub>. 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.
- Optional submersible, cast iron **Sump Pump** is designed to lift heavy solids typically found in industrial applications.

- Water-resistant, metal cabinet is protected by a powder-coat epoxy finish and houses the Control Center, including timers and dispensing pumps. A waterresistant Nema 4 fiberglass control box protects electrical componentry.
- 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.
- Cone-bottom CLT Tanks have a 55° slope to enhance the settling and removal of suspended solids in the wastestream.
- High-output UV **Ozone Generator** for additional polishing of the water (CLB-603 only).

## CLB

## Advanced Biological Treatment Systems for Golf-Turf, Commercial and Industrial Wastewater

Modular BioSystems for Total Flexibility | Recycle or Discharge Units | For Golf-Turf, Commercial & Industrial Applications

The Water Maze BioSystem or CLB series employs the latest bio-technology for treating and recycling commercial and industrial wastewater, including golf and turf applications

STAX 180 SOSTAX 9

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

where there's a high organic content in the wash water.

The CLB's unique design features modu-

lar components so the system is customized to match each customer's application requirements 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.

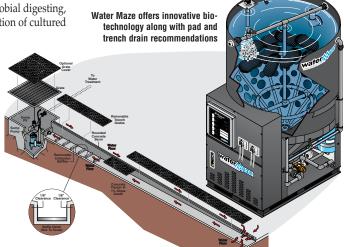
Water Maze's advanced bio-technology fea-

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



<b>CLB Specifications</b>	RECYCLE SYSTEM	DISCHARGE SYSTEM	AUXILIARY UNIT	
MODEL	CLB-603A,B	CLB-600D	CLB-30D	* THE PROCESSING RATE
Designed For	Recycle	Discharge	Auxiliary	varies for each site. Factors that must be considered are:
Tank Capacity	600 gal.	600 gal.	600 gal.	
Tank Material	Polyethylene	Polyethylene	Polyethylene	<ul> <li>Average daily flow (gallons per day)</li> </ul>
Processing Rate	See explanation at right	See explanation at right	See explanation at right	BOD levels (ppm);
Bio-Media	2087 sq.ft.	2087 sq.ft.	2087 sq.ft.	<ul> <li>Oxygen input (dis- solved oxygen);</li> </ul>
Sump Pump	Optional	Optional	Optional	Hydraulic retention time (HRT);
In-Feed / Circulation Pump	3/4 HP	3/4 HP	N / A	
Transfer Pump	3/4 HP (2 HP optional)	N / A	N / A	<ul> <li>Total petroleum hydrocarbons (TPH);</li> </ul>
Ozone Pump	3/4 HP	N / A	N / A	<ul> <li>water temperature and pH.</li> </ul>
Ozone Generator	4-Tube Ultraviolet	N / A	N/A	Based on these factors
Electrical	A: 230V 1ph 20 amps	120V 1ph 9 amps	120V 1ph 1 amp	a qualified Water Maze sales engineer will cal- culate the estimated processing rate and make a recommenda- tion as to the size of system needed.
	<b>B:</b> 230V 3ph 20 amps			
Aeration	VBT-100 "Airstick"	VBT-100 "Airstick"	VBT-100 "Airstick"	
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	

Distributed by:

**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; sump pump; grass cart, dumpster and HydroScreen for filtering grass clippings.

See your Water Maze Dealer for part numbers and pricing.



8.914-115.0 Rev 2/08 Tel 800-535-0941 Fax: 800-535-9164 info@wmaze.com Specifications and product descriptions subject to change without notice. © 2008