

**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**

■ Patented **Air Stick** injects into the waste stream higher levels of dissolved oxygen than air blowers or compressed air to maximize aerobic digestion rates and overcome high BOD levels.

■ Wastewater initially passes through an optional stainless steel **HydroScreen** that separates grass clippings and deposits them in a grass cart for easy **Disposal**.

■ Optional stainless steel mesh lined **Grass Cart** for easy dewatering and handling of grass clippings.



Certified to UL-1081 Safety Standards



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)

*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.

■ 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 water-resistant 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



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 modular 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.

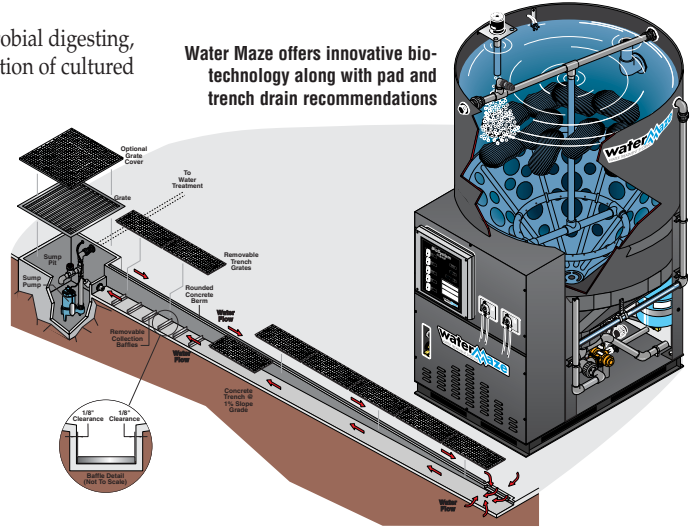
Water Maze's advanced bio-technology fea-

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.

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



### CLB Specifications

	RECYCLE SYSTEM	DISCHARGE SYSTEM	AUXILIARY UNIT	
<b>MODEL</b>	<b>CLB-603A, B</b>	<b>CLB-600D</b>	<b>CLB-30D</b>	<p>* THE PROCESSING RATE varies for each site. Factors that must be considered are:</p> <ul style="list-style-type: none"> <li>• Average daily flow (gallons per day)</li> <li>• BOD levels (ppm);</li> <li>• Oxygen input (dissolved oxygen);</li> <li>• Hydraulic retention time (HRT);</li> <li>• Total petroleum hydrocarbons (TPH);</li> <li>• water temperature and pH.</li> </ul> <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>
<b>Designed For</b>	Recycle	Discharge	Auxiliary	
<b>Tank Capacity</b>	600 gal.	600 gal.	600 gal.	
<b>Tank Material</b>	Polyethylene	Polyethylene	Polyethylene	
<b>Processing Rate</b>	See explanation at right	See explanation at right	See explanation at right	
<b>Bio-Media</b>	2087 sq.ft.	2087 sq.ft.	2087 sq.ft.	
<b>Sump Pump</b>	Optional	Optional	Optional	
<b>In-Feed / Circulation Pump</b>	3/4 HP	3/4 HP	N / A	
<b>Transfer Pump</b>	3/4 HP (2 HP optional)	N / A	N / A	
<b>Ozone Pump</b>	3/4 HP	N / A	N / A	
<b>Ozone Generator</b>	4-Tube Ultraviolet	N / A	N/A	
<b>Electrical</b>	<b>A:</b> 230V 1ph 20 amps <b>B:</b> 230V 3ph 20 amps	120V 1ph 9 amps	120V 1ph 1 amp	
<b>Aeration</b>	VBT-100 "Airstick"	VBT-100 "Airstick"	VBT-100 "Airstick"	
<b>Dimensions</b>	65" L x 54" W x 105" H	65" L x 54" W x 105" H	65" L x 54" W x 101" H	
<b>Ship Weight</b>	1,050 lbs	TBD	TBD	

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**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.



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