

Flow Rate up to 30 GPM

Automated and Self-Contained

No Chlorine or Hazardous Agents

Increased Flexibility in Detergent Usage

Treats Emulsified Oils and Suspended Solids

Introducing... The CLPB is a highly effective wash-water treatment system—the first to integrate filtration and bio-remediation to produce these benefits:

- There is no chlorine, safe for operators and safe for the environment;
- Treats emulsified oils and suspended solids, such as clay or silt.

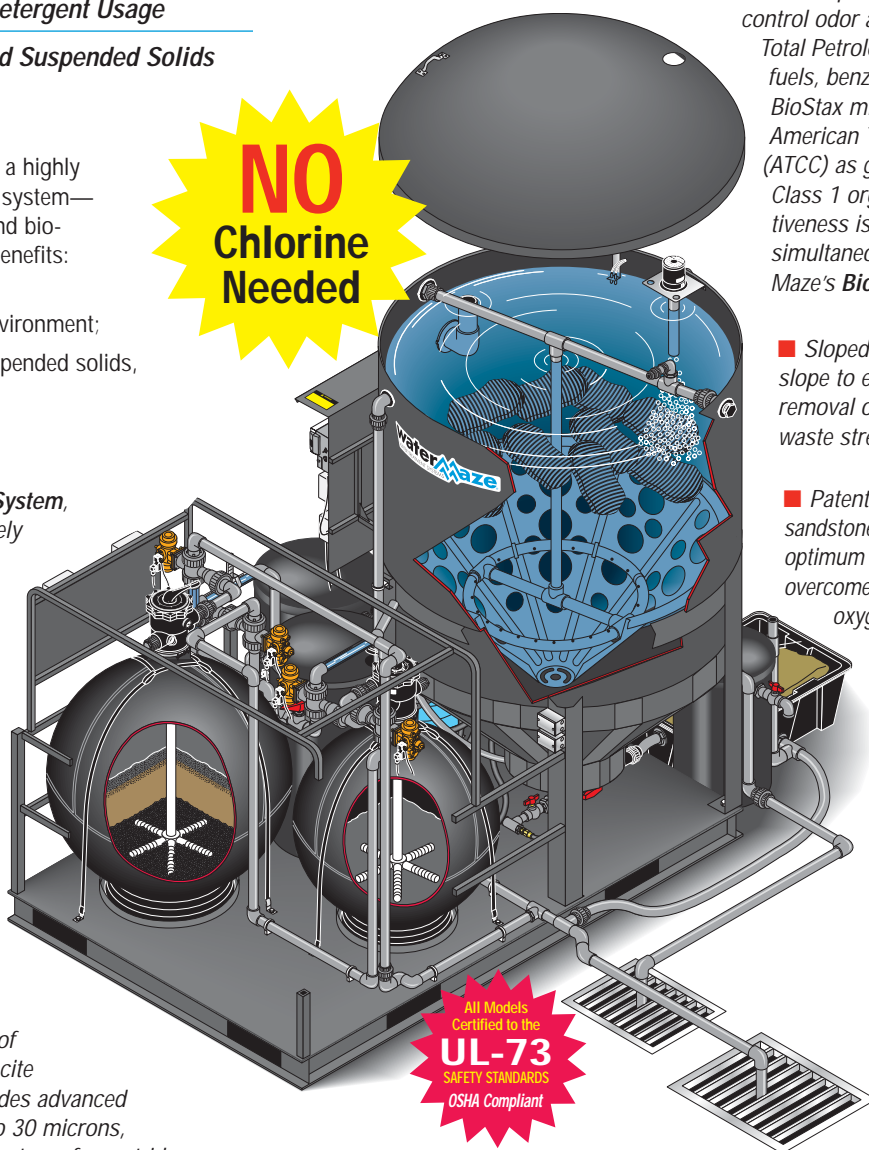
■ **Fully automated Backwash System**, using reliable air valves, routinely reverses the water flow backflushing each filter with a high volume of water so it always operates at peak effectiveness.

■ A **Carbasorb Filter** uses up to 380 lbs. of degassed, virgin activated carbon for final polishing of low levels of pesticides, solvents, benzene, diesel fuel, acetone, and other hydrocarbons.

■ 1,000 lbs of a unique blend of gravel, garnet, sand and anthracite in the **Multi-Media Filter** provides advanced filtration of suspended solids to 30 microns, eliminating the need in some systems for cartridge filters.

■ 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 H₂O and CO₂. The media is kept in bags that are easy to remove and service.

**NO
Chlorine
Needed**



■ **Proprietary BioStax 1800 Microbe Solution** uses time-sequenced aeration of bacteria to control odor and create degradation of Total Petroleum Hydrocarbons (TPH), fuels, benzenes, oils and grease. 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.

■ **Sloped, cone-bottom Tank** has a 60° slope to enhance the settling and removal of suspended solids in the waste stream.

■ **Patented Air Stick** combines with sandstone diffusers to help facilitate optimum aerobic digestion rates and overcome high BOD (biological oxygen demand).

■ **Durable Chemical-Resistant Tank** is made of polyethylene and provides years of rust-free operation.

■ **High-output Ozone Generator** polishes clean water prior to reuse by the pressure washer.

■ **Durable Steel Frame and Railing** is protected by an epoxy powder coat finish with a stainless steel option available for extra harsh conditions.

■ **An automatic Air-Actuated Valve** purges sludge from the cone-bottom tank at a rate of more than a gallon per second. This heavy-duty, non-plugging air valve routinely activates dumping the solids from the tank into a flat container where the water drains back into the sump and leaves the sludge to dry.

■ **All new Automatic Maintenance Controller** is a simple-to-operate PLC-based control center that automates back-flushing of multi-media and carbon filters for extended filter life and, during off hours, it controls the ozone system and purging of solids in cone-bottom tank.

CLPB

Fully Automated and Enviro-Safe Wash Water Treatment System That Integrates Filtration and Bioremediation

Flow Rate up to 30 GPM | Self-Contained | Fully Automated | No Chlorine | Treats Emulsified Oils and Suspended Solids



CLPB-5024A



REVOLUTIONARY CLPB DESIGN

The CLPB is a unique wash-water treatment system that integrates the two very popular—because they're low-cost and safe—technologies of filtration and bioremediation.

This successful integration eliminates two of the handicaps associated with filtration systems alone. There is no need for chlorine or other chemical sanitizing agents and this new system effectively treats emulsified oils and suspended solids.

The revolutionary CLPB has six models that are fully automated in both the operation and maintenance utilizing our new Automatic Maintenance Control system, which uses an easy-to-operate PLC (Programmable Logic Control) to automatically backwash filters, dispense sludge and monitor and adjust pH and oxidizer levels resulting in cleaner water, reduced odor problems, lower maintenance costs and a smoother operation, to say nothing of the happier, more productive workers.

CLPB Filtration-Bioremediation Integrated System Specifications

MODEL	CLPB-7034A	CLPB-7034B	CLPB-7034C	CLPB-5024A	CLPB-5024B	CLPB5024A
Maximum Flow Rate	1 - 30 gpm	1 - 30 gpm	1 - 30 gpm	1 - 10 gpm	1 - 10 gpm	1 - 10 gpm
BioDigestion Unit	600 gal.	600 gal.	600 gal.	300 gal.	300 gal.	300 gal.
Electrical (Volts / Phase)	230V 1ph	230V 3ph	460V 3ph	230V 1ph	230V 3ph	460V 3ph
Amps	30	30	30	30	30	30
Compressed Air	5 cfm @ 60-100 psi	5 cfm @ 60-100 psi	5 cfm @ 60-100 psi	5 cfm @ 60-100 psi	5 cfm @ 60-100 psi	5 cfm @ 60-100 psi
Sump Pump	1/2 hp	1/2 hp	1/2 hp	1/3 hp	1/3 hp	1/3 hp
Transfer Pump	2 hp	2 hp	2 hp	1/2 hp	1/2 hp	1/2 hp
Ozone Pump	3/4 hp	3/4 hp	3/4 hp	3/4 hp	3/4 hp	3/4 hp
Media Filter	1000 lbs.	1000 lbs.	1000 lbs.	325 lbs.	325 lbs.	325 lbs.
Carbon Filter	380 lbs.	380 lbs.	380 lbs.	240 lbs.	240 lbs.	240 lbs.
Ozone Generator	Series 400	Series 400	Series 400	Series 200	Series 200	Series 200
Aeration	VBT-100 Airstick 2 Sandstone diffusers	2VBT-100 Airstick 2 Sandstone diffusers	VBT-100 Airstick 2 Sandstone diffusers	VBT-100 Airstick 2 Sandstone diffusers	2VBT-100 Airstick 2 Sandstone diffusers	VBT-100 Airstick 2 Sandstone diffusers
Holding Tanks	65 gal.	65 gal.	65 gal.	40 gal.	40 gal.	40 gal.
Dimensions (L x W x H)	108" x 72" x 110"	108" x 72" x 110"	108" x 72" x 110"	96" x 61" x 94"	96" x 61" x 94"	96" x 61" x 94"
Net Dry Weight (approx)	2,950 lbs.	2,950 lbs.	2,950 lbs.	1,850 lbs.	1,850 lbs.	1,850 lbs.

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AVAILABLE OPTIONS: Fiberglass collection pit and in-ground oil/water separator, corrosion-resistant stainless steel platform, carbon filter aeration kit, microbially enhanced pit management system, automated total dissolved solids (TDS) and total suspended solids (TSS) control.

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WATER TREATMENT SYSTEMS

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