



# PM-1000

**Automatic Pit Management System Using Bioremediation for Odor Control**

*Fits Most Brands of Water Treatment Systems*

*Easy In-Field Installation*

*Biology Consumes Oils, Grease, Hydrocarbons*

*Effectively Reduces Odor*

■ Sturdy, vented **Steel Cabinet** with chrome handles for easy handling and an **Epoxy Powder Coat Finish** for all-weather protection.

■ Specially designed **Sandstone Diffuser** creates minute bubbles for maximum oxygen surface area in aeration process.

■ Water-resistant, Nema 4 **Control Panel** with monitor lights and 24-hour timer controls for automatic delivery of aeration and biological treatment

■ **Tri-Lingual Operating Instructions** for operator's convenience and owner protection.



**Works Best With BioStax 1800**  
See Details on Backside

## ***Eliminates Pit Odor Naturally***

If you face a smelly mess every Monday morning from a neglected wash-water collection pit, you can rest easy with Water Maze's Pit Management System.

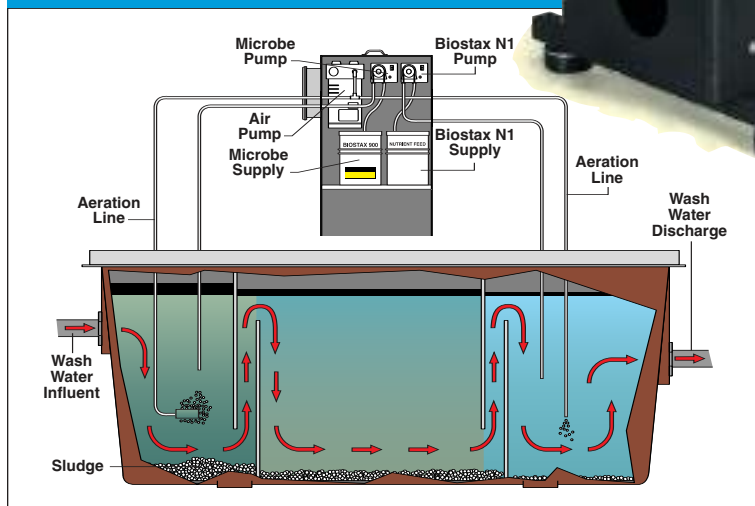
The PM-1000D provides a fully automated, environmentally friendly and low-cost way to manage standing wash water found in collection pits, tanks or sump drains.

It is designed to be integrated into most wash-water treatment systems utilizing aeration and automatic injection of a highly effective microbial agent (such as BioStax 1800) for eliminating oils, greases and other hydrocarbons and organics typically found in collection pits or sump drains.

Water Maze's BioStax 1800 has proven to be very effective in controlling odor and converting oils, greases, and hydrocarbons into harmless carbon dioxide and water.

The aeration further enhances the effectiveness of the microbes as well as provide odor control.

### **HOW PM-1000 WORKS WITH 3-STAGE COLLECTION PIT**



### **PM-1000 Specifications**

Features	PM-1000D
Electrical	120V, 1 ph, 6 amps
Cabinet	Steel, Epoxy Powder Coated
Dimensions LxWxH	21" x 30" x 46"
Ship Weight	185 lbs

# BIOSTAX

## Fast-Acting Liquid Microbial Agent for Use in Bioremediation and Pit Management Systems

**Fast-Acting Microbes Consume Oil, Grease, Hydrocarbons | Concentrates Make 5 and 55 Gallons | Non-Toxic | All Natural**

### All-Natural Odor Control

BioStax 1800 is an easy and effective way to control odor and dramatically reduce oil, grease and other hydrocarbons in bioremediation wastewater treatment systems or collection pits.

The liquid microbial agent is designed for Water Maze's PM-1000 (Pit Management System) and bioremediation systems, but can be used in most aerobic bioremediation systems.

The award-winning BioStax 1800 is automatically injected into PM-1000 delivering a constant supply of bacteria into standing oily water often found in tanks, collection pits or sump drains.

The all-natural, environmentally friendly BioStax 1800 consists of a special blend of non-pathogenic and non-toxic bacteria for typical wash-water applications. It works best when the water temperature is 40° to 120°F and the pH is 6.0 to 9.0.

The bacteria actually breaks down and metabolizes the hydrocarbons as they accumulate. There are no hazardous by-products as the bacteria converts hydrocarbons into carbon dioxide and water.

BioStax 1800 comes in concentrates that, when mixed with water, make 5 and 55 gallons.

### BIOSTAX 1800 Specifications

Part No.	Description
8.718-919.0	BioStax 1800, 5 Gallons Two 8 oz. bottles make 5 gal.
8.718-917.0	BioStax 100 Hawaiian Blend, 8 oz. bottle makes 5 gallons
TBD	BioStax 1800, 55 Gallons Two 1-gallon jugs make 55 gal.



**Important:** BioStax 1800 must be kept refrigerated prior to use.

### HOW SAFE IS BIOSTAX 1800?

BioStax 1800 was formulated with efficiency and safety in mind. The bacteria used in this product are classified by the American Type Culture Collection (ATCC) as gram-positive Class 1 organisms.

All Water Maze bioremediation products are routinely tested and are guaranteed to be pathogen-free.

### HOW EFFECTIVE IS BIOSTAX 1800?

The following are case studies of BioStax 1800 customers:

■ **Vehicle Repair Shop:** A repair shop for a fleet of 29 vehicles in East Boston, MA, was discharging from a 200 gal. oil/water separator. The Total Petroleum Hydrocarbons (TPH) level was 33,940 mg/L, far exceeding the max. level of 100 mg/L and costing the company \$16,000 per year with the extra fees. BioStax 1800 was injected daily and within 120 days the TPH level was reduced to 79 mg/L slashing the sewer costs to \$1,200 per year.

■ **Equipment Rental Company:** The wash-water pit of a rental company in the Northeast had four inches of floating oil in the pit. Also the company was hauling a drum a month of oil. Within a week of injecting BioStax 1800, the oil was down to droplets and the maintenance chief was ecstatic: "I'll save hours in pit cleaning!"

■ **Solid Waste Facility:** A solid waste maintenance yard in Phoenix, AZ, had a flow of 7,000 gallons per day of wastewater, costing \$7,000 in sewer surcharges plus \$600 per month to pump the oil-water separator. After injecting BioStax 1800 the TPH level dropped from 180 to 23.3 mg/L within 90 days for estimated savings of \$7,600 per year.

Distributed by:

**waterAaze**  
WATER TREATMENT SYSTEMS

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