

## Water Treatment Solutions for Pressure Washer Applications

- **EC+Plus Electrocoagulation**
- **Automated Mechanical Filtration**
- **Advanced Bioremediation**
- **Super-Efficient Evaporation**
- **Oil-Water Separation**
- **Ozone & Chemical Injection**

Water Maze is North America's No. 1 manufacturer of industrial wash-water treatment systems. Since 1989 Water Maze has been manufacturing water treatment systems principally for pressure washing applications.

Today there are more than 9,000 Water Maze systems installed worldwide utilizing a broad range of technologies listed at the left.

Water Maze systems have been certified to UL safety standards and are manufactured under the internationally recognized ISO-9001 standards for quality processes. The equipment line is supported by more than 100 trained and authorized sales and servicing dealers throughout North America.

- 30+ Models
- 9,000+ Installed
- Since 1989
- Safety Certified

### EC+PLUS ELECTROCOAGULATION



### New technology treats many waste streams

Water Maze's EC systems, with EC+Plus™ technology (a unique integration of electrocoagulation and polymer injection), are the most compact and portable wash-water treatment systems on the market today. And yet they offer an amazing versatility in the range of treatable wastewater including suspended solids, emulsified oils and heavy metals—all significant challenges for conventional filtration systems.

- 2 Models
- 1-30 GPM
- 208V, 230V



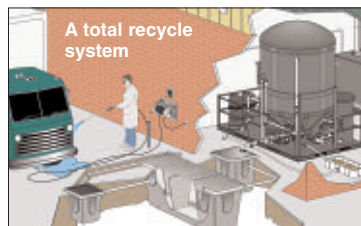
*When matched with the our portable wash pad, the EC creates a totally self-contained wash facility*

The flow rate and the quality of water treatment is sufficient to create a totally, automated recycle system, or water can be discharged to the sanitary sewer. The automation of the EC systems makes it extremely easy to operate and minimizes the maintenance.

### Automated for easy operation, low maintenance

- 19 Models
- 1-30 GPM
- 230V, 460V

Water Maze's award-winning mechanical filtration systems are the standard in the high-pressure cleaning industry for automated wash-water recycling. Most are totally automated using a digital sequencer to monitor and control the system's functions including filtration, recirculation, filter backwash and sludge discharge. Other mechanical filtration systems, for recycle or sewer discharge, include a series of low-profile units, high-profile clarifiers and a variety of ready-to-install collection pits.



## ADVANCED BIOREMEDIATION

### The natural way to treat wastewater

- 3 Models
- 1-30 GPM
- 120V, 230V

The Water Maze BioSystem uses new advanced bio-technology for treating and recycling a broad range of commercial and industrial wastewater, including golf and turf applications where there's a high organ-

ic content in the waste stream. This unique design features modular components that can be customized to the customer's application as well as keep the equipment cost and performance to only what is truly needed. Moreover, the system is automated for ease of main-



tenance. The 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.—into harmless water and carbon dioxide.

## SUPER-EFFICIENT EVAPORATION

### Minimize waste stream by 90%+

- 5 Models
- 1-120 GPH
- Gas, LP, Electric

Wastewater evaporation has proven to be one of the most effective means of eliminat-

ing the water content of a waste stream—usually 90% or greater—leaving only 10%—or less—of sludge residue to dispose of. Water Maze has systems with two types of evaporation technology:

**A** - conventional hot-plate technology featuring a unique high-efficiency combustion chamber; and **B** - super-efficient, submerged combustion technology that forces all of the heat through a submerged tube and into the wastewater for 100% heat exchanger efficiency and dramatic operational and energy cost savings.



## OIL-WATER SEPARATION

### Coalescing plates with 'maze' design

- 2 Models
- 1-30 GPM
- 120V

The Water Maze Alpha is a highly effective above-ground oil-water separator designed

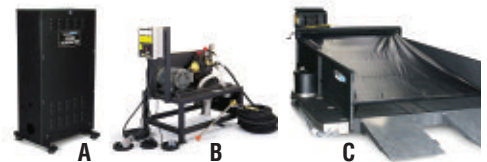
to discharge wash water to the sanitary sewer at rates of up to 30 GPM. The genius of the Alpha is the proprietary "maze" design of up to 1000 sq. ft. of inclined coalescing plates, which pull oils out of the wash water. The plates are strapped together for easy removal and cleaning.



## ACCESSORIES

### Tools to enhance wastewater treatment

Water Maze offers many accessories to enhance the effectiveness of wastewater treatment systems, including: **A - Ozone**



**Generator**, an all-natural alternative to chlorine; **B- Water Blaster**, a 25 GPM water cannon for removing heavy dirt loads from equipment before pressure washing; **C - Portable Wash Pad** with some pre-treatment and a retractable rainwater tarp (optional); a series of ready-to-install fiberglass **Collection Pits**; and a **Pit Management System** that uses bio-technology to automatically treat standing wastewater in sumps and pits.

Distributed by:



**Lorchem Technologies, Inc.**

1150 Davis Rd., Ste. J  
Elgin, IL 60123  
P: 847.468.8800  
F: 847.468.8811  
T: 800.788.8867  
Appleton, WI 54981  
P: 715.256.3990  
F: 715.256.3996  
www.lorchem.com