

## Water Treatment Solutions for Treating Industrial Wash Water

- **Advanced EC Electro-Coagulation**
- **Chemical Coagulation**
- **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 the leader in providing innovative technology for processing wash water that is created by a variety of industries. Originally designed for treating wash water run off from pressure washing applications, Water Maze now treats any type of waste water created during manufacturing, or when cleaning industrial equipment.

Today there are more than 11,000 Water Maze systems installed worldwide utilizing a broad range of technologies.

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 160 trained and authorized sales and servicing dealers throughout North America.

- 40+ Models
- 11,000+ Installed
- Safety Certified

## Introducing the Water Maze water treatment equipment products...

### ADVANCED ELECTRO-COAGULATION TECHNOLOGY

**Innovator Series**  
by waterAze

#### EC2-20A - The Latest Innovation



PATENT PENDING

This is an advanced Electro-coagulation (EC) system for treating wash water and other industrial waste waters that contains suspended solids, emulsified oils, and heavy metals. This system combines both EC water treatment technology and chemical flocculation to enhance and speed up the process of removing constituents from the waste water.

The patent pending design of the Water Maze EC2-20A allows an extremely efficient rate of removal of oils, solids and metals from the waste stream. After the electro-coagulation reaction has occurred in the electrolytic cell, a small amount of EC+ polymer is injected to quickly clump the coagulated oils, solids & metals together for removal. Treated water can be purged to the Water Maze Indexing Polishing filter for further treatment, recycled, or discharged to sanitary sewer. Furthermore, the new EC2-20A is unique in that it treats water and moves it forward. There is zero untreated water left standing in the system, resulting in less odor.

- 1 Model
- 20 GPM
- 230V

### COAG SYSTEM TECHNOLOGY

**Innovator Series**  
by waterAze

#### CoAg2-20A - Advanced Chemical Treatment

The Water Maze CoAg2-20A is an advanced chemical treatment system, using the method of adding a chemical coagulant and polymer to the treatment process, to efficiently remove suspended solids and emulsified oils from the waste stream.

The new Water Maze CoAg System is a very low maintenance, cost effective system to operate. The CoAg2-20A can be used on its own as the primary water treatment system, or as a pre-treatment system with other technologies, such as Electro-Coagulation or Bioremediation. Similar to the EC-2-20A, the CoAg2-20A treats water and moves it forward. There is zero untreated water left standing in the system, resulting in less odor.



PATENT PENDING



## INDEXING POLISHING FILTER

### Automatic Filtration System

The Indexing Polishing Filter (IPF) employs various micron size media paper to filter out particulates in waste water. The IPF receives and distributes influent water with particulates across the media paper, which is recessed into the filter bed. The uniquely designed filter bed lightly, but firmly holds the media paper against the conveyor chain and allows the paper to slide or index forward as directed by the float and drive system.

The IPF comes with adjustable support legs to accommodate different sump sizes. Or, it can be lowered over the top of an existing sump drain. The compact design allows the IPF to work as a pretreatment or post treatment along with other Water Maze water treatment technology to further filter particulates.



## CLEAN WATER RECYCLE MODULE



### Control the Flow of Treated Water

The Clean Water Recycle Module automatically manages the flow of treated water for reuse. It can be applied as a stand-alone module for the Water Maze EC2 system or CoAg system, and may also be applied to other applications where water recycling is required.

The system consists of a control module with a small footprint, and an optional holding tank, sized to the specific application requirements. The Clean Water Recycle Module is equipped with an onboard in-feed pump (up to 20 GPM), a transfer pump (up to 20 GPM) and recirculation pump.



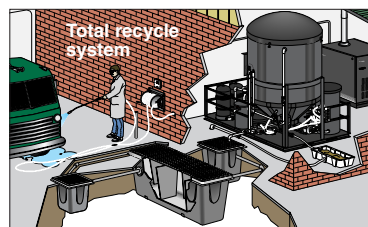
## MECHANICAL FILTRATION

### 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.



# Equipment Overview

## EC+PLUS ELECTRO-COAGULATION



ETL  
ISO  
9001  
REGISTERED  
PATENT PENDING

## New technology treats many waste streams

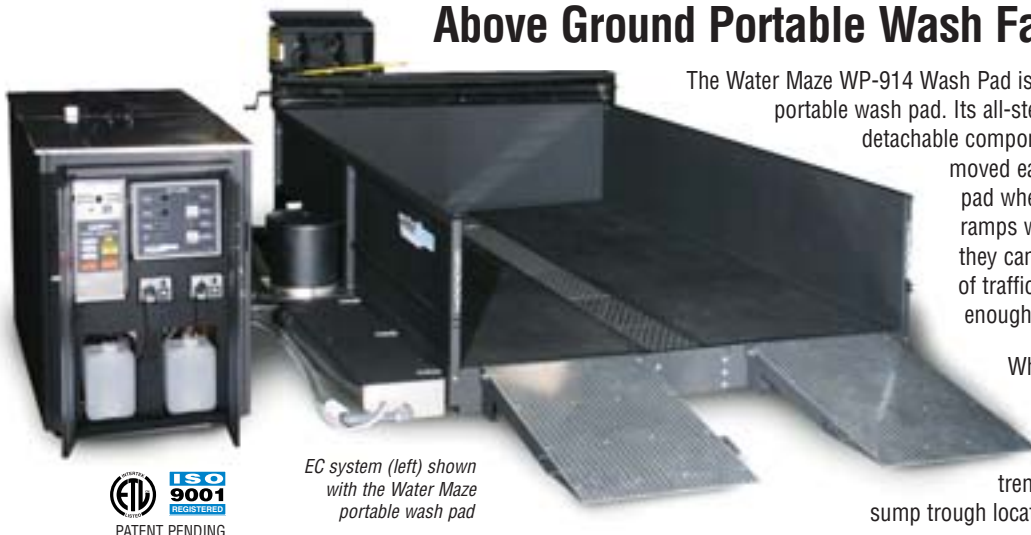
The original EC product from Water Maze...with EC+Plus™ technology (a unique integration of electro-coagulation and polymer injection), are the most compact and portable wash-water treatment systems on the market today. And yet they offer an amazing versatility in the range of treatable wastewater including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

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

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.

## WASH PADS

### Above Ground Portable Wash Facilities



ETL  
ISO  
9001  
REGISTERED  
PATENT PENDING

EC system (left) shown with the Water Maze portable wash pad

The Water Maze WP-914 Wash Pad is a rugged, self-contained, compact portable wash pad. Its all-steel, modular design with forklift guides and detachable components allow the WP-914 to be installed or moved easily for convenience in placing the wash pad where you need it most. Two heavy-duty ramps with non-skid traction ridges are hinged so they can be folded up vertically and out of the way of traffic. Five removable 42-inch panels are low enough to wash over the top from outside the pad.

When in use, water is channeled along the sloped 3/16-inch diamond-plate floor to a centralized trench drain with removable grating. The tapered trough of the trench drain guides the water to a covered sump trough located on the outside of the pad.

## ADVANCED BIOREMEDIATION

### The natural way to treat wastewater

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

This technology is ideal for golf courses



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 organic 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 maintenance. The bio-technology features super-efficient



ETL  
ISO  
9001  
REGISTERED  
aero-bic

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

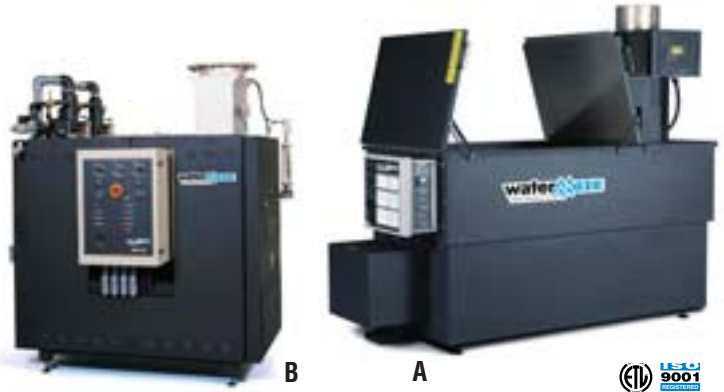
### Minimize waste stream by 90%+

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

Wastewater evaporation has proven to be one of the most effective means of eliminating 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.



### *Water Maze has the expertise, equipment and field support to provide solutions...*

By choosing Water Maze, you receive the equipment and engineering support for a broad range of wastewater treatment technologies. We have North America's largest network of certified equipment dealers trained on how to install, operate, maintain—and train your staff.

Distributed by:

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## 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.



## DETERGENTS, MEDIA & CONSUMABLES

### Additives for wastewater treatment

Water Maze offers a variety of additives, defoamers and detergents to enhance the effectiveness of water treatment systems.

We have a line of quick-release detergents available in 5 and 55 gallons.



Filter media such as sand, gravel, and clay, which help provide separation of contaminants in water filtration equipment. We also offer bio-pucks and biostax products for our bioremediation systems, that are designed to alleviate odor in collection pits.