

# EC1-300A

Automated Wastewater  
Recycle or Treat-and-  
Discharge System

*Utilizes Super-Versatile EC+Plus™ Technology*

*Totally Enclosed Cabinet for Outdoor Protection*

*Automated for Easy Operation and Maintenance*

*Tank Made of Non-Corrosive Stainless Steel*

Introducing..

**EC+Plus™  
TECHNOLOGY**

Integrating Electrocoagulation  
and Polymer Injection

■ Our proprietary **EC+Plus™ Technology**, featuring a unique integration of electrocoagulation and polymer injection, results in highly effective treatment of a broad range of waste streams including suspended solids, emulsified oils and heavy metals—all major obstacles for conventional filtration systems—yet at a process flow rate (up to 6 GPM) to support recycling or sanitary discharge of most pressure washer applications.

■ **Compact Footprint** of only 40-by-91 inches, and height of 61 inches, allows flexibility where the unit can be installed.

■ **Totally enclosed Cabinet Design** eliminates the need for towers, tanks and exposed pipes and wiring; also provides protection against the elements, if installed outdoors; optional thermostat-controlled **Electric Heater** along with insulated side panels reduce the risk of components freezing during unexpected cold snaps.

■ **Removable Side Panels** with quick-release latches allow for easy service and installation access; steel panels are protected by a weather-resistant **Zinc Epoxy Powder Coat** finish.

■ **Simple and Automated Operation** with intelligent control circuitry reduces operator training and the need for constant monitoring for maintenance.

■ **Integrated Design** accommodates interfacing of EC1-300A with other pre- and post-treatment equipment to create a totally self-contained wash-water treatment system; pH control may be required in pre-treatment.

■ **Metal Double Doors** on front side protect Nema 4 electrical controls from overspray and are hinged for easy access and locking



ETL Certified  
to UL-73 and CSA  
22.2/68-69 Standards



PATENT PENDING

against unauthorized entry.

■ **Built by ISO-9001 Certified** manufacturer that has complied for more than a decade to the internationally recognized ISO standards for quality manufacturing.

■ **Minimal cost in Consumables** as the EC cells and low-cost polymer only need to be replaced or replenished periodically depending on the application.

■ **Water Tank** is located inside and is made of non-corrosive stainless steel.

■ **ETL Certified** to UL 73 safety standards.

■ In addition to an on-board, in-feed pump, the EC1-300A includes a **Transfer Pumping System**, which discharges processed water (for recycle or discharge) as well as monitors and controls fresh-water makeup and excess water discharge.

■ Water is injected with **UV Ozone** to oxidize bacteria and reduce odor.

■ **Internal tanks** feature sloped floors and automatic purge system for easy sludge removal.

# EC1-300A

## Compact, Automated Wastewater Recycle or Treat-and-Discharge System for Portable Wash Facilities

Sleek, Compact Cabinet | Flow Rate up to 6 GPM | 230V 1ph | Water Transfer System Automatically Maintains Water Levels

**EC1-300A**  
Wastewater Treatment  
System

### INTRODUCING... A HIGHLY COMPACT —YET VERSATILE— INDUSTRIAL WATER TREATMENT SYSTEM



Shown with the WP-914 Wash Pad,  
with optional hose reel, to create  
a totally self-contained,  
rugged, semi-portable  
wash rack.



**WP-914**  
Wash Pad

Utilizing Water Maze's proprietary EC<sup>+</sup> Plus™ technology, the EC1-300A is the most compact wash-water treatment system on the market today while offering an amazing versatility in the range of wastewater it can treat.

The EC1-300A is capable of treating wastewater with suspended solids, emulsified oils and heavy metals, all significant challenges for conventional filtration systems. Treated water is of adequate process rate—up to 6 GPM—and of sufficient quality that it can be recycled back to the pressure washer or discharged to sanitary sewer.

In addition to its compact size and sleek appearance, the EC1-300A is self-contained and operation is totally automated using intelligent control circuitry for precise measuring and monitoring.

The EC1-300A can be installed as a stand-alone water treatment system or it can be integrated with the Water Maze WP series portable wash pads to create a totally self-contained wash rack.

The water tank is located inside the cabinet and is made of non-corrosive stainless steel. Furthermore, UV ozone is injected to oxi-

dize bacteria and reduce odor.

The cabinet features a zinc epoxy powder coat finish and has hinged protective doors that shield electrical controls from overspray. The doors can be locked to prevent unauthorized use.

The steel side panels are easily removed for convenient access to the internal components while an optional thermostat-controlled electric heater and insulation package reduce the risk of components freezing.

### EC1-300A Specifications

Features	Description
Cabinet Construction	Steel with Zinc Epoxy Powder Coat Finish
Internal Tank	Stainless Steel (approx. 300 gallons)
Process Flow Rate	Up to 6 GPM
Electrical	208/230V 1ph 33 amps
Dimensions	40" W x 91" L x 61" H
Ship Weight	Approximately 1,100 lbs
Available Option	Thermostatically controlled heater and cabinet panel insulation package

Distributed by:

**waterMaze**  
WATER TREATMENT SYSTEMS

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