



Water Reclamation Systems



Conforms to UL STD 979
Water Treatment Appliances
Certified to CSA STD C22.2
No. 68 Motor-Operated
Appliances

From Concept to Commissioning

Water reclamation made simple

Your one-stop provider for custom-built water reclamation systems

With over 50 years of experience in specialty water treatment solutions, we have the technical knowledge, expertise, and equipment.

WCC selects high-quality components from leading technology partners, then custom-fabricsates them into complete, “plug-and-play” packages that require simple water, drain, and electrical connections.

System Overview

- ◆ Turnkey water recycling systems simplify installation and maintenance
- ◆ Ultraviolet, Ozone, and Chemical treatment systems protect quality of water being delivered to fixtures/equipment and in storage tank
- ◆ Sensors and actuated valves ensure that only safe, sanitary recycled water is delivered—and that a backup supply is readily available when this is not possible
- ◆ Advanced Programmable Logic Controller (PLC) with Human-Machine Interface (HMI) and Building Automation System connectability provides versatile control and monitoring



Standard Assure IQ™ Controller

- ◆ Programmable Logic Controller
- ◆ Animated HMI touchscreen
- ◆ Component status and setpoint
- ◆ Multiple user logins
- ◆ Electronic maintenance reminders

Water Reclamation Systems

(Larger systems available upon request)

Model*	Delivery Flow Rate (GPM)	Max Discharge Pressure (PSI)	Dimensions (in) (L x W x H)	Voltage / Phase	Max Amp Draw**	Pump HP	Connection Sizes (in)	Weight (lb) (Estimated)
WCC-RW-□-20	20	100	74 x 24 x 76	460/3	4.5	3	1 1/4	700
WCC-RW-□-40	40	100	74 x 24 x 76	460/3	7	5	1 1/2	900
WCC-RW-□-80	80	100	84 x 29 x 76	460/3	12	10	2	1150
WCC-RW-□-120	120	100	96 x 32 x 80	460/3	18.5	15	3	1700
WCC-RW-□-160	160	100	126 x 34 x 82	460/3	18.5	15	3	1900

* Insert desired disinfection system type: CL for chemical injection, OZ for ozone, or UV for ultraviolet.

** Values represent maximum electrical draw. Actual max amp draw may be lower, based on disinfection type.



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STD C22.2 No. 68
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Standard features

- ◆ Automated disinfection with monitoring (UV Dosage or ORP)
- ◆ Monitored, easy-to-service filters
- ◆ Variable speed pumps with ultra-efficient, electronically-commutated motors
- ◆ Real time storage tank level monitoring
- ◆ Tank recirculation/treatment system to counter stagnation and biological growth
- ◆ Fresh water bypass mechanism for connection to potable backup supply*
- ◆ Sensors and alarms for protection from blockages, broken pipes, and flooding
- ◆ Submersible pump enable/disable control for suction lift applications
- ◆ Auxiliary power and controls for optional dye/chemical injection
- ◆ In-tank accessories including check valves and suction line strainers
- ◆ Single-point, 480V/3-phase electrical connection**

*Backflow protection required, per local code

** Other options available, contact WCC



Available system options

Configurations

- ◆ UV disinfection with multiple monitored lamps
- ◆ Ozone (OZ) disinfection with ORP control
- ◆ Sodium hypochlorite (CL) disinfection with ORP control
- ◆ Canadian (CSA) Tier I, II, and III compliant packages
- ◆ “Filtration-only” (FO) packages
- ◆ Self-backwashing (ACF) filters

Storage tanks

- ◆ Above-ground polyethylene (HDPE) up to 10k gallons
- ◆ Below-ground polyethylene (HDPE) up to 2.5k gallons
- ◆ Below-ground reinforced fiberglass up to 50k gallons
- ◆ Above-ground galvanized with PVC lining, up to 70k gallons

Additional components

- ◆ Pre-filters (vortex, sieving, and mechanical separators)
- ◆ Backflow prevention devices
- ◆ Packaged booster pumps (for higher-demand)
- ◆ Submersible pumps, controls, and accessories
- ◆ Auxiliary tanks and injector pumps
- ◆ NSF 350 control functionality for graywater applications

WCC: Water Reclamation Made Simple



Ozone System Installation



Ozone System Revit® Rendition



Customized 'Operation and Maintenance' Manual



Project-Specific Installation Diagram

Experience the WCC difference

- ◆ Easy-to-use system design questionnaires
- ◆ 3D (Revit®) renditions for every system
- ◆ Custom AIA Division 22® specifications
- ◆ Detailed project submittals
- ◆ Project-specific installation diagrams
- ◆ Intuitive, adaptable controls
- ◆ Complete, customized 'Operation and Maintenance' manuals



Visit us online

Find detailed product specification info and application design questionnaires at watercontrolinc.com



Contact your local sales representative

Find your WCC authorized rep at watercontrolinc.com/representativelocator



Speak directly with a design engineer

Call 1-866-405-1268 or email engineering@watercontrolinc.com



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