



Water Reclamation Systems



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

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-fabricates 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 connectivity 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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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



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specification info and application
design questionnaires at
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Contact your
local sales
representative

Find your WCC authorized rep at
[watercontrolinc.com/
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Speak directly with
a design engineer

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