STANDARD FEATURES ON ALL WCC-RW SYSTEMS

- Automated disinfection with monitoring (UV Dosage or ORP) and fail-safe alarm protection
- Monitored, easy-to-service filters
- Variable speed pump with ultra-efficient, electronically-commutated (ECM) motor (up to 15 HP+)
- Storage tank level monitoring
- Tank recirculation/treatment system to counter stagnation and biological growth
- Fresh water bypass mechanism for connection to potable or municipal reclaimed water supply**
- Sensors and alarms for protection from blockages, broken pipes, chemical shortages, and more
- 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

+ Pump motors above 15 Hp to include standard, integral VFD’s

++ Backflow protection required, per local code

SYSTEM OPTIONS

AVAILABLE CONFIGURATIONS:

- UV disinfection with up to 3 monitored lamps
- Ozone (O2) disinfection with ORP control
- Sodium Hypochlorite (CL) disinfection with ORP control
- “Recirculation-only” (RC) packages (delivery by separate booster pump)
- Auxiliary tanks and injector pumps for residual disinfectant or dye
- Self-backwashing (ACF) filters in lieu of standard bag filters

STORAGE TANKS AVAILABLE FROM WATER CONTROL:

- Above-ground polyethylene (HDPE) up to 10,000 gallons
- Below-ground polyethylene (HDPE) up to 2,500 gallons
- Below-ground reinforced fiberglass up to 50,000 gallons
- Above-ground galvanized with PVC lining, up to 70,000 gallons

ADDITIONAL COMPONENTS AVAILABLE FROM WATER CONTROL:

- Pre-filters (vortex, sieving, and mechanical separators)
- Backflow prevention (Reduced Pressure Zone assemblies and air-gap systems)
- Packaged booster pumps (for higher-demand or higher elevation projects)
- Submersible pumps, controls, and accessories for suction-lift applications

STANDARD ASSURE IQ™ CONTROLLER

- Programmable Logic Controller
- Animated HMI touchscreen
- Component status and setpoint
- Multiple user logins
- Electronic maintenance reminders
- BAS integration (Modbus ready, BACnet upgradable)
- Trending information
- System alarms
- Extreme versatility for various operation requirements
TYPICAL SYSTEM INSTALLATIONS

Rainwater Reclamation

Above-ground tank

Below-ground tank

Graywater Reclamation

Above-ground tank

Below-ground tank
# WCC-RW-UV SYSTEMS
(Ultraviolet Light Treatment)

## WCC-RW-UV Series System Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input Power (Voltage/Phase)</th>
<th>Full Load Amps</th>
<th>Delivery/Recirculation Pump</th>
<th>Flanged Plumbing Connections (in)</th>
<th>Bladder Tank (ASME) (gal)</th>
<th>UV System</th>
<th>Skid(s)</th>
<th>Weight (lb) (Estimated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCC-RW-UV-20</td>
<td>460/3</td>
<td>4.5</td>
<td>3</td>
<td>20</td>
<td>1-1/4</td>
<td>6</td>
<td>33</td>
<td>1</td>
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<tr>
<td>WCC-RW-UV-40</td>
<td>460/3</td>
<td>7.0</td>
<td>5</td>
<td>40</td>
<td>1-1/2</td>
<td>13</td>
<td>34</td>
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<td>WCC-RW-UV-80</td>
<td>460/3</td>
<td>12.5</td>
<td>10</td>
<td>80</td>
<td>2</td>
<td>40</td>
<td>30</td>
<td>1</td>
</tr>
<tr>
<td>WCC-RW-UV-120</td>
<td>460/3</td>
<td>19.0</td>
<td>15</td>
<td>120</td>
<td>3</td>
<td>40</td>
<td>40</td>
<td>2</td>
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<tr>
<td>WCC-RW-UV-160</td>
<td>460/3</td>
<td>19.0</td>
<td>15</td>
<td>160</td>
<td>3</td>
<td>40</td>
<td>30</td>
<td>2</td>
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</tbody>
</table>

*Self-backwashing (ACF) filters available (optional)*

Conforms to UL STD 979 Water Treatment Appliances
Certified to CSA STD C22.2 No. 68 Motor-Operated Appliances
# WCC-RW-OZ Systems

(Ozone Injection Treatment)

## WCC-RW-OZ Series System Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input Power (Voltage/Phase)</th>
<th>Full Load Amps</th>
<th>Delivery/Recirculation Pump</th>
<th>Flanged Plumbing Connections (in)</th>
<th>Bladder Tank (ASME) (gal)</th>
<th>Oxygen Concentrator (SCFH)</th>
<th>Ozone Generator (grams/hr)</th>
<th>Ozone Injector (in)</th>
<th>Skid(s)</th>
<th>Weight (lb) (Estimated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCC-RW-OZ-20</td>
<td>460/3</td>
<td>4.5</td>
<td>3</td>
<td>20</td>
<td>100</td>
<td>1-1/4</td>
<td>6</td>
<td>20</td>
<td>15</td>
<td>700</td>
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<tr>
<td>WCC-RW-OZ-40</td>
<td>460/3</td>
<td>7.0</td>
<td>5</td>
<td>40</td>
<td>100</td>
<td>1-1/2</td>
<td>13</td>
<td>20</td>
<td>15</td>
<td>900</td>
</tr>
<tr>
<td>WCC-RW-OZ-80</td>
<td>460/3</td>
<td>12.0</td>
<td>10</td>
<td>80</td>
<td>100</td>
<td>2</td>
<td>40</td>
<td>20</td>
<td>15</td>
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<td>18.5</td>
<td>15</td>
<td>120</td>
<td>100</td>
<td>3</td>
<td>40</td>
<td>20</td>
<td>30</td>
<td>1,700</td>
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<tr>
<td>WCC-RW-OZ-160</td>
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<td>18.5</td>
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<td>160</td>
<td>100</td>
<td>3</td>
<td>40</td>
<td>20</td>
<td>30</td>
<td>1,900</td>
</tr>
</tbody>
</table>

*Self-backwashing (ACF) filters available (optional)*

Conforms to UL STD 979 Water Treatment Appliances  Certified to CSA STD C22.2 No. 68 Motor-Operated Appliances
## WCC-RW-CL SYSTEMS
(Sodium Hypochlorite Injection)

### WCC-RW-CL Series System Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input Power (Voltage/Phase)</th>
<th>Full Load Amps</th>
<th>Delivery/Recirculation Pump</th>
<th>Flanged Plumbing Connections (in)</th>
<th>Bladder Tank (ASME) (gal)</th>
<th>Dosing Pumps (gal/hr)</th>
<th>Skid(s)</th>
<th>Weight (lb) (Estimated)</th>
<th>HP</th>
<th>Rated Flow (gpm)</th>
<th>Max Pressure (PSI)</th>
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</thead>
<tbody>
<tr>
<td>WCC-RW-CL-20</td>
<td>460/3</td>
<td>4.5</td>
<td>3</td>
<td>20</td>
<td>1-1/4</td>
<td>6</td>
<td>up to 1.585</td>
<td>Blue Powder Coated Aluminum</td>
<td>600</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>WCC-RW-CL-40</td>
<td>460/3</td>
<td>7.0</td>
<td>5</td>
<td>40</td>
<td>1-1/2</td>
<td>13</td>
<td>up to 1.585</td>
<td>Blue Powder Coated Aluminum</td>
<td>800</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>WCC-RW-CL-80</td>
<td>460/3</td>
<td>12.0</td>
<td>10</td>
<td>80</td>
<td>2</td>
<td>40</td>
<td>up to 1.585</td>
<td>Blue Powder Coated Aluminum</td>
<td>1,050</td>
<td>15</td>
<td>120</td>
</tr>
<tr>
<td>WCC-RW-CL-120</td>
<td>460/3</td>
<td>18.5</td>
<td>15</td>
<td>120</td>
<td>3</td>
<td>40</td>
<td>up to 1.585</td>
<td>Blue Powder Coated Aluminum</td>
<td>1,600</td>
<td>15</td>
<td>100</td>
</tr>
<tr>
<td>WCC-RW-CL-160</td>
<td>460/3</td>
<td>18.5</td>
<td>15</td>
<td>160</td>
<td>3</td>
<td>40</td>
<td>up to 1.585</td>
<td>Blue Powder Coated Aluminum (2 Skids)</td>
<td>1,800</td>
<td>15</td>
<td>160</td>
</tr>
</tbody>
</table>

*Self-backwashing (ACF) filters available (optional)

Conforms to UL STD 979
Certified to CSA STD C22.2 No. 68
Water Treatment Appliances
Motor-Operated Appliances
**WCC-RW SYSTEM DIMENSIONS***
(All plumbing connections on right side of skids)

**WCC-RW-UV/OZ/CL-20 to WCC-RW-UV/OZ/CL-120 (1 Skid)**

**WCC-RW-UV/OZ/CL-160 (2 Skids)**

<table>
<thead>
<tr>
<th>System Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
</tr>
<tr>
<td>WCC - RW - UV/OZ/CL - 20</td>
</tr>
<tr>
<td>WCC - RW - UV/OZ/CL - 40</td>
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<tr>
<td>WCC - RW - UV/OZ/CL - 80</td>
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<tr>
<td>WCC - RW - UV/OZ/CL - 120</td>
</tr>
<tr>
<td>WCC - RW - UV/OZ/CL - 160</td>
</tr>
</tbody>
</table>

*Chemical tanks/drums for “CL” systems to be located adjacent to system skids. Adequate space must be provided.*
TO GET STARTED with your water reclamation application, download a system design questionnaire at www.watercontrolinc.com.

We have team members throughout the US and Canada who are ready to serve you. Contact your local sales representative or our Technical Support Department at: 1-866-405-1268 or techsupport@watercontrolinc.com.