

WATER REVIVAL SYSTEM

INSTALLATION MANUAL



PristineHydro™

WATER REVIVAL SYSTEM

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WATER REVIVAL SYSTEM

PURCHASE RECORDS

Please fill out the following information at the time of installation.

SAVE FOR FUTURE REFERENCE

MODEL: WRS-UC3

PURCHASE DATE:

INSTALL DATE:

SOLD BY:

INSTALLED BY:

SERVICE CENTER PHONE NUMBER:

WATER REVIVAL SYSTEM

INTRODUCTION

Congratulations on your purchase of a PristineHydro™ WATER REVIVAL SYSTEM. When properly maintained, this system will provide you with years of trouble-free operation. The next sections contain important information on the proper care and maintenance of your system. Please take a few minutes to read through this information.

The cartridges in this system must only be replaced with **PristineHydro™ Authorized Replacement Filters** and on a regular basis in order to maintain system efficiency and to ensure water production that is 100% free of all undesirable acids and contaminants. These cartridges are designed to work together as a system and should be replaced at the recommended intervals. Any significant change in performance of the system should be investigated promptly to avoid secondary damage or deterioration to other parts of the system.

CAUTION: Improperly installed systems could result in water damage due to leaks and/or flooding. Proper installation of this system requires proficiency with standard sink plumbing and proper use of hand and power tools. Unless you possess plumbing skills, we recommend you consult a licensed professional plumber or contractor.

NOTE: This system has been designed to be installed by a licensed professional plumber or contractor.

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WATER REVIVAL SYSTEM

COMPONENT LIST

Your new WATER REVIVAL SYSTEM should include the following items. If any items are missing, please contact your supplier, retailer or any local professional plumbing service.

Please take a few moments to check all the following components:

- **Water Revival System Assembly**
- **Storage Tank**
- **Faucet Assembly**
- **Angle Stop Valve**
- **Drain Saddle Valve**
- **TDS Meter**
- **Filter Housing Wrench**

Recommended Tool List

Before you begin, make sure the installation kit and tools are complete and ready to use.

- **Phillips Screwdriver**
- **Drill and Drill Bits**
- **Wrench or Adjustable Wrench**

WATER REVIVAL SYSTEM

SPECIFICATIONS

SYSTEM PERFORMANCE

Daily Production Rate

100 GPD Rated Membrane

FEED WATER REQUIREMENTS

Feed Water

Potable, municipal water

Feed Pressure

40 to 80 PSI

Feed Temperature

45 Deg. F. to 100 Deg. F.

Total Dissolved Solids

600 PPM or less

Chlorine

<1.0 mg/l max

pH

4-8

Turbidity

<1.0 NTU (visibly clear)

SDI

<5

Iron

0.2 mg/l or less

Manganese

0.03 mg/l or less

**IF ANY OF THE PARAMETERS ARE EXCEEDED, PLEASE CONTACT THE SUPPLIER.
PRE-TREATMENT OR SPECIAL ADJUSTMENTS MAY BE REQUIRED.**

TYPICAL INSTALLATION DIAGRAM

A. Angle Stop Valve

B. 5 Micron

C. KDF + Carbon

D. Auto Shut-Off Valve

E. High Efficiency Reverse

Osmosis Membrane

F. Primary Deionization

G. Secondary Deionization

H. Remineralization

I. pH Adjustment Valve

J. Restructuring + Recharging

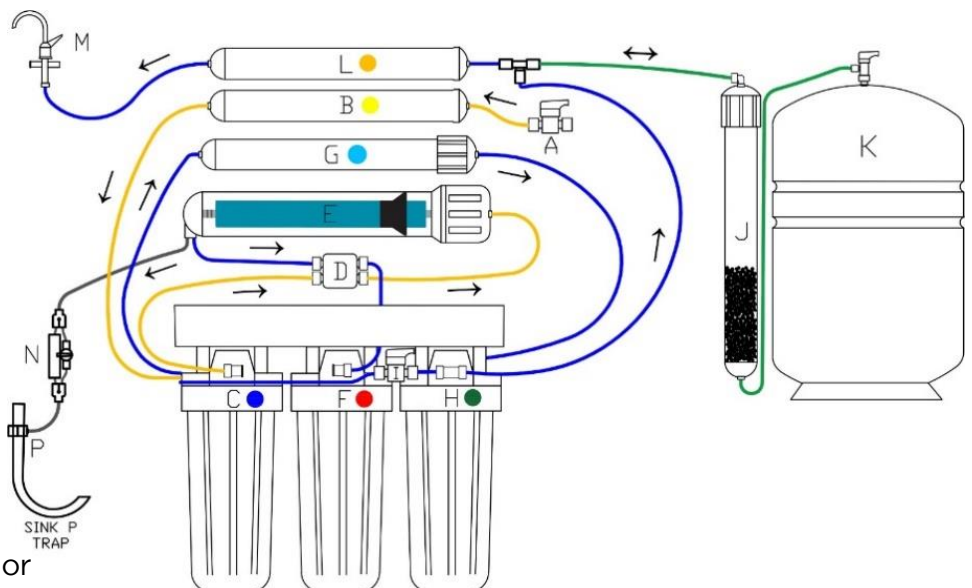
K. Storage Tank

L. Coconut Carbon

M. Faucet

N. Flush Valve + Flow Restrictor

P. Drain Saddle Valve



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INSTALLATION

LOCATION: Though most often thought of as an under the kitchen sink counter device, locating the system in a basement or garage may also be convenient, depending on your circumstances.

PLACEMENT: The unit should not be further than 10 feet from a drain. Hang the main unit on a wall or cabinet side wall using the holes in the back of the bracket. Leave at least 3" clearance below the unit so that filter cartridges can be easily replaced. A tank base has been provided to permit mounting the tank either vertically or horizontally in the cradle portion of the base.

INSTALLATION:

1. View the **TYPICAL INSTALLATION DIAGRAM** and locate and identify all components.
2. Mount the main unit to a wall or cabinet side wall.
3. Turn OFF the water supply.
4. On the COLD-WATER fitting to the sink, disconnect the flex line from the stand pipe. For traditional piping, an Angle Stop Valve has been supplied.
5. Using Teflon tape, thread the female portion of the Angle Stop Valve on to the pipe and re-connect the flex lines to the male threads. If your plumbing is different, connect to the COLD-WATER line with a Saddle Valve or another Valve that is applicable.
6. Place the Drain Saddle Valve on the sink drain assembly above the water level in the P trap. Once secure, carefully drill through the hole in the tube connector to pierce the drain tube. Use a 1/8" dia. drill bit.
7. The Storage Tank is already pressurized, however, if it loses pressure use a tire pump to put 7 psi of air pressure in the Storage Tank while empty. The Storage Tank must be emptied of water for an accurate reading.
8. Mount the Faucet assembly.
9. Connect the **BLUE** 1/4" tubing from the unit to the Faucet.
10. Connect the **BLACK** 1/4" tubing from the unit to the Drain Saddle.
11. Connect the **ORANGE** 1/4" tubing from the unit to the Feed Water Adapter.
12. Connect the **GREEN** 1/4" tubing from the unit to the Storage Tank.

WATER REVIVAL SYSTEM

INSTALLATION

START-UP:

1. CLOSE the Tank Valve and OPEN the Angle Stop Valve. If any leaks are noted, CLOSE the Angle Stop Valve and correct before proceeding.
2. OPEN the Faucet water will slowly begin to drip out of the Faucet. This will flush out the system.

NEW FILTER FLUSH NOTICE: In the normal production of these filter elements, different materials are used to ensure optimal shelf life. As with any new drinking water filtration product, we recommend a thorough 24-hour flush of the system before product water is consumed in order to ensure optimal taste and water quality. Failure to perform this procedure may extend the system break-in period.

3. Check system for leaks; tighten when necessary.
4. If possible, use a flashlight to view down the drain to make sure the system is producing waste (brine) water. You should hear the sound of water going down the drain pipe as well as a “clicking” sound from the Permeate Pump.
5. Once the filters have been flushed, CLOSE the Faucet and OPEN the Tank Valve.
6. The Water Storage Tank will fill and the Permeate Pump will automatically shut off in about 1-2 hours, depending on the incoming water pressure.
7. Open the Faucet and drain the Water Storage Tank.

DO NOT DRINK THE WATER FROM THE SYSTEM YET.

8. Water flow will change to dripping depending on your water pressure. Upon complete discharge of the Water Storage Tank, turn handle to CLOSED position on the Faucet and let the refilling process begin.

*****REPEAT STEPS 6 & 7 A TOTAL OF TWO TIMES*****

9. After the third tank is filled, you may drink the water.

WATER QUALITY CHECK: Your system includes a handheld TDS (total dissolved solids) meter to monitor and maintain the water quality. After the break in period, average TDS readings should be 20-60 ppm. Ranges vary because the chemistry varies with different water sources.

CHECK FOR LEAKS DAILY DURING THE FIRST WEEK OF USE AND PERIODICALLY THEREAFTER.

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WATER REVIVAL SYSTEM

MAINTENANCE

- Every month or so, it is recommended to flush the High Efficiency Reverse Osmosis Membrane in order to maintain system performance.
 1. CLOSE the Tank Valve (perpendicular with **GREEN** 1/4" tube).
 2. OPEN the Faucet to relieve system pressure.
 3. OPEN the Flush Valve (in-line with **BLACK** 1/4" tube).
 4. Unrestricted brine (waste) water will now flow from the High Efficiency Reverse Osmosis Membrane through the **BLACK** 1/4" tube bypassing the Flow Restrictor and down the drain. This helps flush deposits and significantly increases the usable life of the Reverse Osmosis Membrane.
 5. After 2 to 3 minutes CLOSE the Flush Valve (perpendicular with **BLACK** 1/4" tube).
 6. CLOSE Faucet and OPEN Tank Valve (in-line with **GREEN** 1/4" tube) in order to return the system to normal operating mode.

WATER QUALITY CHECK: Your system includes a handheld TDS (total dissolved solids) meter to monitor and maintain the water quality. After the break in period, average TDS readings should be 20-60 ppm. Ranges vary because the chemistry varies with different water sources.

SANITIZATION: Keep the Faucet area clean and occasionally wipe with a sanitizing solution such as food grade hydrogen peroxide in order to prevent contamination which can find its way to the Water Storage Tank.

WATER REVIVAL SYSTEM

FILTER REPLACEMENT SCHEDULE

STAGE	DESCRIPTION	AVERAGE SERVICE LIFE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
1	5 Micron	12 Months							
2, 3	KDF + Carbon	12 Months							
4	High Efficiency Reverse Osmosis Membrane	36 Months							
5	Primary Deionization	24 Months							
6	Secondary Deionization	24 Months							
7	Remineralization	36 Months							
8	Coconut Carbon	24 Months							
9, 10	Restructuring + Recharging	N/A							



NOTE: Most customers prefer to replace filters pro-actively in order to maintain PristineHydro™ water quality standards rather than wait for complete filter component degradation. Average Service Life is based on “normal” usage and average feed water quality. Actual filter life will vary with frequency of use, total volume produced, and most importantly, source water quality. If you are a heavy user or your water supply is of below average quality, you may need to replace filters more frequently. We highly recommend periodically checking your system’s output water TDS and replacing filters regularly in order to maintain high system performance.

WATER REVIVAL SYSTEM

FILTER REPLACEMENT PROCEDURE

NOTE: While performing filter changes it is recommended to have a towel handy to dry up any residual water that may leak out from the system.

SYSTEM PREPARATION (pre-service check)

1. Turn OFF Storage Tank Valve.
2. Turn OFF Angle Stop Valve.
3. OPEN Faucet to relieve pressure.

CARTRIDGE REPLACEMENT

1. Using the supplied Filter Housing Wrench remove the filter housing.
2. Discard old cartridge.
3. Install new cartridge in system taking note of the direction of flow.

INLINE FILTER REPLACEMENT

1. Remove tubing from the filter you wish to replace by first removing the optional red locking clip (if applicable). Then push in the collet on the quick connect fitting while simultaneously pulling on the tubing.
2. Replace the filter with the new unit taking note of the direction of flow.
3. Fully insert tubing back into fitting until it hits the internal stop.
4. Replace (optional) locking clip by sliding it in between collet and fitting. Make sure it is fully seated.
5. Give the tube a gentle tug to ensure proper connection.

MEMBRANE REPLACEMENT

1. Identify and remove the membrane housing from the filter bracket for easier service.
2. Follow the above method for removing the tubing.
3. Unthread the cap from the membrane housing. If overtightened, use a strap wrench for extra leverage.
4. Remove membrane using a pair of pliers.
5. Clean membrane housing with a brush.
6. When installing the new membrane be sure to push the membrane into the housing as far as it will go.

SYSTEM FLUSH (post-service check)

1. Turn ON Angle Stop Valve.
2. If any leaks are noted, turn OFF water source and correct before proceeding.
3. Water will slowly begin to drip out of the system Faucet. This will flush out the dust, debris, air and odor from the system.

24-HOUR FLUSH NOTICE: In the normal production of these filter elements the use of different materials are used to ensure optimal shelf life. As with any drinking water filtration product, we recommend a thorough 24-hour flush of these elements to ensure optimal taste and water quality. Failure to perform this procedure may extend the break in period.

4. Check all fittings to ensure proper fit.
5. OPEN Storage Tank Valve.
6. CLOSE Faucet.

CHECK FOR LEAKS DAILY DURING THE FIRST WEEK OF USE AND PERIODICALLY THEREAFTER.

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TROUBLESHOOTING

NOTE: Turn OFF the SYSTEM before servicing or inspecting.

PROBLEM	CAUSE	SOLUTIONS
Milky colored water	- Air in the system	* Air in the system is a normal occurrence with initial startup of system. This milky look will disappear during normal use within 1 to 2 weeks.
Fishy smell	- New filters	* Slight odor is a normal occurrence with initial startup of system. OPEN Faucet and run water through the system until odor is removed.
Noises from system	- Location of Drain Saddle Valve - Flush Valve OPEN	* Relocate the Drain Saddle Valve. * CLOSE Flush Valve.
Slow stream from Faucet	- System just starting up - Air pressure in the Storage Tank is low	* Normally it takes 1-2 hours to fill the Storage Tank. Low water pressure and/or temperature can reduce production rate. * Add pressure to the Storage Tank. The pressure should be 7-10 psi when the tank is empty.
No water or slow production from Faucet	- Flush Valve OPEN - Low water pressure - Crimps in tubing - Clogged pre-filters - Fouled High Efficiency Reverse Osmosis Membrane - New System - Angle Stop Valve CLOSED - Tank Valve CLOSED	* CLOSE Flush Valve. * Add a booster pump. * Make sure all tubing is straight. * Replace pre-filters. * Replace High Efficiency Reverse Osmosis Membrane. * Wait at least 5 minutes for water to travel through System to Faucet. * OPEN Angle Stop Valve. * OPEN Tank Valve and allow Storage Tank to fill to maximum capacity.
Unusual taste or smell	- Coconut Carbon is depleted - Fouled High Efficiency Reverse Osmosis Membrane - Fouled Deionization Cartridge	* Replace Coconut Carbon. * Replace High Efficiency Reverse Osmosis Membrane. * Replace Deionization.
No drain water	- Clogged Flow Restrictor - Clogged Auto-Shut Off - Clogged filter	* Replace Flow Restrictor. * Replace Auto-Shut Off. * Replace filter.
Leaks*	- Fittings are not tightened - Loose tubing - Misaligned Drain Saddle Valve	* Tighten fittings as necessary. * Make sure tubing is fully seated in fittings. * Realign Drain Saddle Valve.

***LEAKS SHOULD BE TAKEN SERIOUSLY IN ORDER TO PREVENT WATER DAMAGE.**

WATER REVIVAL SYSTEM

CONDITIONS

IMPORTANT - READ THIS FIRST

Please pay attention to the following installation and safety instructions/recommendations:

- Read the installation manual before installing this system.
- Install the system at a location with adequate drainage.
- This water system is for INDOOR use ONLY. To preserve the unit, avoid using excessive water temperatures (HOT or COLD) and protect against sudden temperature changes.
- The system is designed to be installed under supervision of a professional, licensed installer or plumber.
- Inspect all connections after the installation to make sure NO LEAKS occur.
- Wait and inspect the system AFTER its pressurized.
- MUST install a Pressure Regulator on the system when your water main pressure is over 80 psi.
- Strongly recommended: SHUT OFF the water supply when homeowner/user will not be using the water system for a long period of time.

IMPORTANT

Please contact your insurance carrier before installing your Water Revival System. PristineHydro WILL NOT be responsible for ANY water damage of any kind under any circumstances.

These are our recommendations to avoid water damage.

- Install a PRESSURE REGULATOR/PRESSURE LIMITING VALVE and LEAK DETECTOR SHUTOFF DEVICE to avoid water damage.
- Homeowner/User must properly maintain the water system and replace filters at regular intervals.

ALL O-RINGS SEALS, FITTINGS, FILTER CANISTERS, AND WATER SEAL TAPE WEAR OUT AFTER CERTAIN PERIODS OF TIME. THE LIFETIME OF THESE COMPONENTS ARE SUBJECT TO DIFFERENCES IN WATER QUALITY. THEREFORE, ADEQUATE MAINTENANCE IS NECESSARY AND MANDATORY.

- Please contact a professional, licensed installer or plumber who can implement the above requirements. Our warranty covers replacement or repair of the purchased system only; NO guarantee, warrantee, or other coverage is provided with respect to any damage or loss to property as a result of installation and usage of this product. Please consult with your own insurance carrier for such coverage if desired.

PRODUCT WARRANTY

For further details, please refer to supplier's terms and conditions of sales.

WARNING

DO NOT INSTALL THE SYSTEM WHERE THE WATER IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY. ADEQUATE DISINFECTION IS REQUIRED BEFORE OR AFTER THE SYSTEM

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LIMITED WARRANTY

All components except the element(s) are warranted to be free of defects in materials or workmanship for a period of one (1) year from the date of purchase. This limited warranty excludes damage resulting from improper care of handling, accidents, modification, unauthorized repairs, normal wear or other causes which are not defects in materials or workmanship.

If there is a covered defect, PristineHydro™ will repair or replace the product free of charge or issue a refund at its sole discretion. The product is provided "AS IS AND WITH ALL FAULTS", and PristineHydro™ hereby disclaims all other warranties and/or conditions arising out of the use of the product. PristineHydro™ shall determine coverage under this warranty only after physical inspection and verification of the unit/defect(s) by PristineHydro™. Shipping costs for the return of defective systems to PristineHydro™ shall be at the purchaser's expense. PristineHydro™ will ship repaired or replacement systems or parts at PristineHydro's expense.

Elements have a one-year pro-rata warranty. If it is established that the element problem is related to material and or workmanship, then the elements will be replaced at no charge in the first month after the date of purchase. A cost of 8 1/3% per month will be charged for each month after the first month. Improper system operation, excessive water temperature (above 100 Deg. F.), failure to prevent chlorine passage into the system, scaling due to water softener or chemical feed operational negligence and general system neglect voids the element warranty.

This warranty covers the cost of materials only. Any labor charges are paid by the system owner. We do not warrant any system or part of a system that has been damaged by neglect, intentional or negligent or improper use, act of nature, fire or vandalism.

PristineHydro™ assumes no warranty liability with respect to defects in any product caused by:

- Customer's unauthorized modification of the product;
- Customer's unauthorized attempt to repair the product;
- Customer's negligent, accidental, or other improper use of the product;
- Customer's installation, operation, or maintenance of the product other than in a manner described in the instruction manual, if applicable;
- Customer's combination of the product with product(s) not supplied by PristineHydro™.

CORRECTION OF DEFECTS BY REPAIR OR REPLACEMENT SHALL CONSTITUTE THE EXCLUSIVE SOLE REMEDY FOR A BREACH OF THIS LIMITED WARRANTY, AND PRISTINEHYDRO™ WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES, PROPERTY LOSS OR PERSONAL INJURY OR FOR ANY OTHER LOSSES, DAMAGES, OR EXPENSES DIRECTLY OR INDIRECTLY RESULTING FROM THE INSTALLATION OR USE OF PRODUCT, INCLUDING, BUT NOT LIMITED TO WATER DAMAGE. PLEASE CONSULT WITH YOUR OWN INSURANCE CARRIER FOR SUCH COVERAGE IF DESIRED.

THE ABOVE WARRANTY SUPERSEDES AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL OTHER OBLIGATIONS OR LIABILITIES OF

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WATER REVIVAL SYSTEM

PRISTINEHYDRO™, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO AGENT DISTRIBUTOR, RETAILER, OR OTHER PARTY IS AUTHORIZED TO MAKE ANY WARRANTIES ON BEHALF OF PRISTINEHYDRO™ OR TO ASSUME FOR PRISTINEHYDRO™ ANY OTHER LIABILITY IN CONNECTION WITH ANY PRISTINEHYDRO™ PRODUCT.

The construction, validity, and performance of this agreement between PristineHydro™ and customer (purchaser and/or owner of the product) shall be governed by the laws of the State of California, United States of America, without reference to its choice of law rules. Customer expressly submits and consents to the jurisdiction and venue of the State or Federal courts located in Orange County, California, for the trial of any lawsuit arising out of the contract for sale. Any action for the breach of the contract for sale must be commenced within one (1) year after the cause of action has accrued.

FORCE MAJEURE - PristineHydro™ shall not be liable for any default or delay attributable to any cause, circumstance, or contingency beyond its control or the control of its suppliers or manufacturers which prevents or impedes manufacture, supply, or delivery by PristineHydro™. Such causes, circumstances, and contingencies shall include, but not be limited to: acts of God; governmental acts, decrees or restrictions; accidents; wars, riots, or civil commotion; fire; strikes, lockouts, or other labor problems; restraints affecting shipment or credit; non arrival or delay of carriers; inadequate or reduced supply or excessive cost of suitable raw materials, transportation or production facilities; and any other causes, circumstances, or contingencies affecting PristineHydro™, its suppliers, or manufacturers as to manufacture, supply, or delivery. In the event of such default or delay, the date for shipment shall be extended correspondingly. PristineHydro™ may make delivery on an equitable basis with reference to all its customers.

For service assistance or resolution of a service problem, or for product information or operation, please visit:

WWW.LIVEPRISTINE.COM

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