

WATER REVIVAL SYSTEM

Under-Counter



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.

PristineHydro™

24102 El Toro Rd. Suite D, Laguna Woods, CA 92637

 +1-949-581-9191  livepristine.com

WATER REVIVAL SYSTEM

Filter Replacement Schedule

STAGE	DESCRIPTION	REPLACEMENT INTERVAL
1	5 Micron	12 Months
2, 3	KDF + Carbon	12 Months
4	Reverse Osmosis Membrane	36 Months
5	Primary Deionization	24 Months
6	Secondary Deionization	24 Months
7	Remineralization	36 Months
8	Coconut Carbon	36 Months
9	Vortex + Recharge	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. We developed the above replacement intervals 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

Specifications

SYSTEM PERFORMANCE

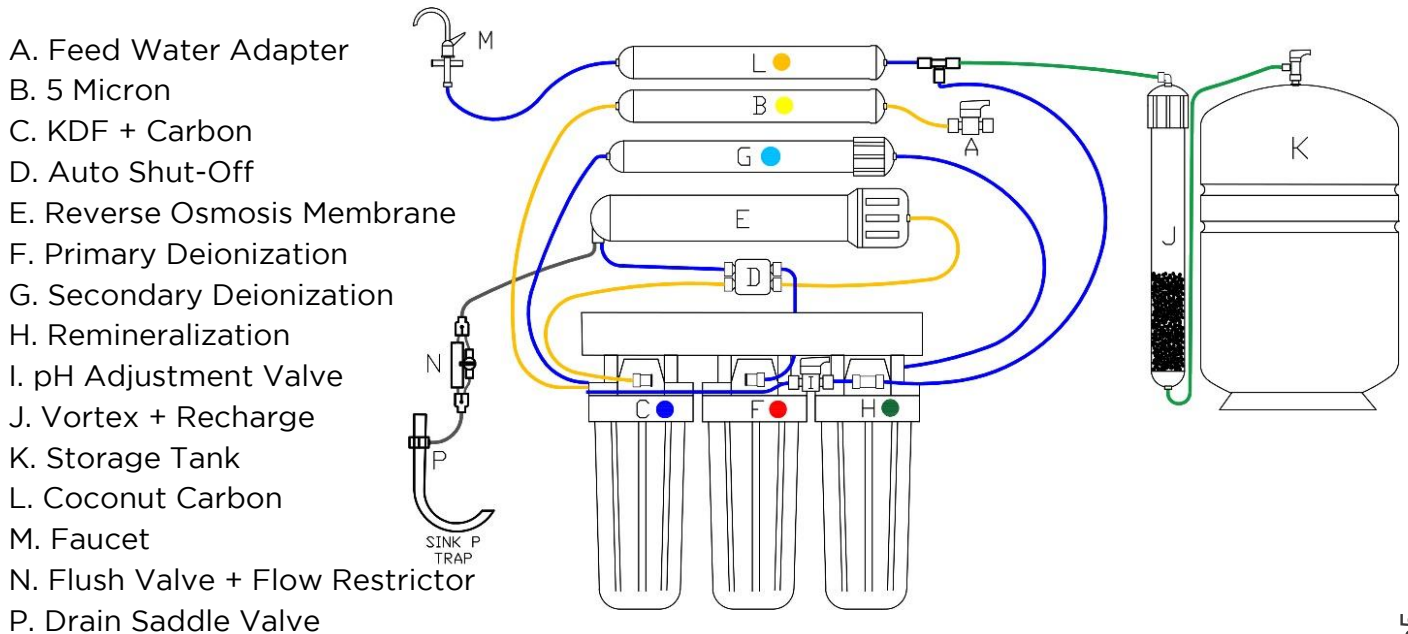
Daily Production Rate 100 GPD Rated Membrane

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



WATER REVIVAL SYSTEM

Limited Warranty

PLEASE READ AND UNDERSTAND THIS LIMITED WARRANTY BEFORE PROCEEDING WITH INSTALLATION OF THE SYSTEM.

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 OR PERSONAL INJURY OR FOR LOSSES, DAMAGES, OR EXPENSES DIRECTLY OR INDIRECTLY RESULTING FROM THE USE OF PRODUCT.



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

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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.

WATER REVIVAL SYSTEM

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 raw water supply.
4. On the COLD-WATER fitting to the sink, disconnect the flex line from the stand pipe. For traditional piping, a Feed Water Adapter has been supplied.
5. Using Teflon tape, thread the female portion of the feed adapter 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 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.

START-UP:

1. CLOSE the Tank Valve and OPEN the Feed Water Adapter. If any leaks are noted, turn OFF Feed Water Adapter and correct before proceeding.
2. OPEN the Faucet. After 5 minutes, water will slowly begin to drip out the Faucet. This will flush out the dust and debris from the system.
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.
5. As soon as the flow from the Faucet is clear, steady, and with no air, CLOSE the Faucet and OPEN the Tank Valve.
6. The Storage Tank will fill and the system will automatically shut-off in about 1-2 hours, depending on the incoming water pressure.
7. OPEN the Faucet and drain the 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 Storage Tank, CLOSE the Faucet and let the refilling process begin.



**This process could take 1-2 hours to complete.
(REPEAT STEP 6-7 THREE TIMES)**

9. After the fourth tank is filled, you may drink the water.
10. Your system includes a handheld TDS (total dissolved solids) meter to monitor and maintain the water quality. Average TDS readings should be 20-100 ppm. Ranges vary because the chemistry varies with different water sources. Most systems will break in around 60 ppm and maintain that reading until filter changes are required.

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

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Maintenance

- Every week or so, it is recommended to flush the Reverse Osmosis Membrane.
 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 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.
- Your system includes a handheld TDS (total dissolved solids) meter to monitor the water quality. Average readings should be 20-100 ppm when the water flows through the Remineralization cartridge. Ranges vary because the chemistry varies with different water sources.
- Keep the Faucet area clean and occasionally wipe with a sanitizing solution to prevent contamination which can find its way to the Storage Tank.

WATER REVIVAL SYSTEM

Filter Replacement

SYSTEM PREPARATION (pre-service check)

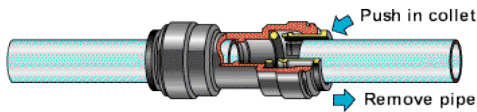
1. CLOSE the Tank Valve.
2. CLOSE the Feed Water Adapter.
3. OPEN the Faucet to relieve pressure.

CARTRIDGE REPLACEMENT

1. Using the supplied housing wrench remove the filter housing.
2. Discard old cartridge.
3. Install new cartridge in system.

INLINE FILTER REPLACEMENT

1. Remove tubing from the filter you wish to replace by pushing 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. Give the tube a gentle tug to ensure proper connection.

SYSTEM FLUSH (post-service check)

1. OPEN the Feed Water Adapter.
2. Check all fittings to ensure proper fit.
3. OPEN the Faucet to flush out filters. Leave OPEN for 1-2 hours.
4. CLOSE the Faucet.
5. OPEN the Tank Valve.
6. The System is now in normal operating mode.

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 - 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 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	- Low water pressure - Crimps in tubing - Clogged pre-filters - Fouled Reverse Osmosis Membrane - New System - Feed Water Adapter CLOSED - Tank Valve CLOSED	* Add a booster pump * Make sure all tubing is straight * Replace pre-filters * Replace Reverse Osmosis Membrane * Wait at least 5 minutes for water to travel through System to Faucet * OPEN Feed Water Adapter * OPEN Tank Valve and allow Storage Tank to fill to maximum capacity.
Unusual taste or smell	- Coconut Carbon is depleted - Fouled Reverse Osmosis Membrane - Fouled Deionization Cartridge	* Replace Coconut Carbon. * Replace 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 - Damaged O-Ring - Misaligned Drain Saddle Valve	* Tighten fittings as necessary. * Make sure tubing is fully seated in fittings. * Replace the O-Ring. * Realign Drain Saddle Valve

**Leaks should be taken seriously. Immediately consult with the service center of the installer.*