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RainSoft®

Water Treatment Systems
Since 1953

MODELS RFC 16-25-33 K WATER TREATMENT SYSTEM

Owners Manual



This product was manufactured in an ISO 9001:2000 certified facility.

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ENJOYING YOUR NEW WATER TREATMENT SYSTEM

You now own the finest Water Treatment System available to homeowners. This system will give you years of filtered, crystal clear water, with minimal amounts of attention.

This system was shipped, from the factory, ready for operation and will start delivering filtered water to your home immediately.

To make using, operating and maintaining your unit as enjoyable as possible, please read the contents of this Owners Manual.

OPERATION SPECIFICATIONS

OPERATING WATER PRESSURE: 20 - 100 psi

Note: If the system will be operated on well water, make sure your well can deliver enough water to properly backwash the system. Failure to properly backwash the system will result in premature system failure.

ELECTRICAL REQUIREMENTS: A constant, properly grounded alternating current (A/C) supply is required to operate this system. (USA: 110V/International: 220V)

Note: The system operates on low voltage and requires the use of a transformer (24V) which was provided during the installation of your unit.

APPLICATION LIMITATIONS

The maximum Iron or Sulfur amount is 5-PPM of each contaminate or a combined 10-PPM. The pH range is 6.9 - 8.8, with a maximum inlet temperature of 100° F.

Your untreated water quality may change over time. Changes in your untreated water quality, that exceed the filter's maximum iron and sulfur levels, may require the use of additional equipment. If a change in the quality of your untreated water has occurred, please contact your local RainSoft Dealer immediately.

If you live in an area that has severe climate changes from summer to winter, you may notice a change in the operating performance of your system. Water temperature changes can affect the proper operating conditions for the equipment. Warm water has a lower density than cold water and requires a greater water flow to effectively clean during backwash. If these climate conditions apply to you, please contact your local RainSoft Dealer for further recommendations.

SERVICE FLOW RATES

RECOMMENDED SERVICE FLOW RATES: RFC 16 K - 3 Gallons per minute
RFC 25 K - 4 Gallons per minute
RFC 33 K - 5 Gallons per minute
RFC 16 K twin system - 6 Gallons per minute

Flow rates that exceed the above levels may cause bleed through, ranging from a slight odor to slight staining. To avoid the possibility of bleed through, do not use multiple faucets at the same time. The average flow rate from a faucet is 1.5 GPM and 3 to 5 GPM for bathtubs and showers. To ensure that the maximum service flow rate has not been exceeded, try to avoid running water for the bathtub or shower during the operation of your dishwasher or washing machine.

MAINTENANCE REQUIREMENTS

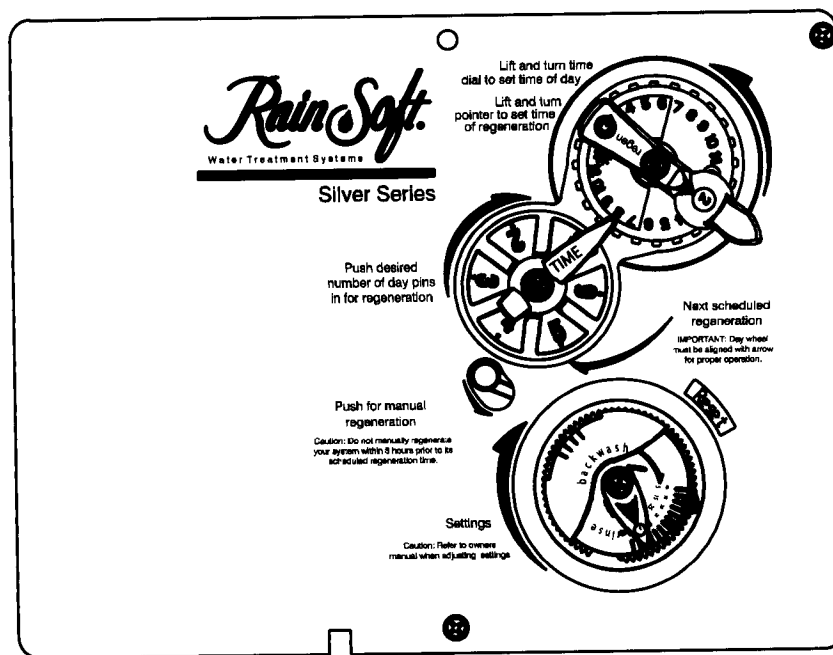
The filter media will eventually become exhausted or consumed and will need to be replaced. The replacement schedule (3 - 5 years in most applications) will depend on your incoming water quality and the amount of water used in your home. Your local RainSoft Dealer can give you replacement schedules based on your water usage and incoming water quality.

The regeneration valve is designed to last a lifetime, but from time to time it may be necessary to clean and lubricate the moving parts. Your water quality and the amount of regenerations necessary will affect this maintenance schedule. Your local RainSoft Dealer is knowledgeable in the different water qualities and will have the necessary parts to complete this service.

If a post sediment filter was installed with your unit, periodic replacements of the filter will be necessary. The replacement schedule should be based on the amount of water used in your home.

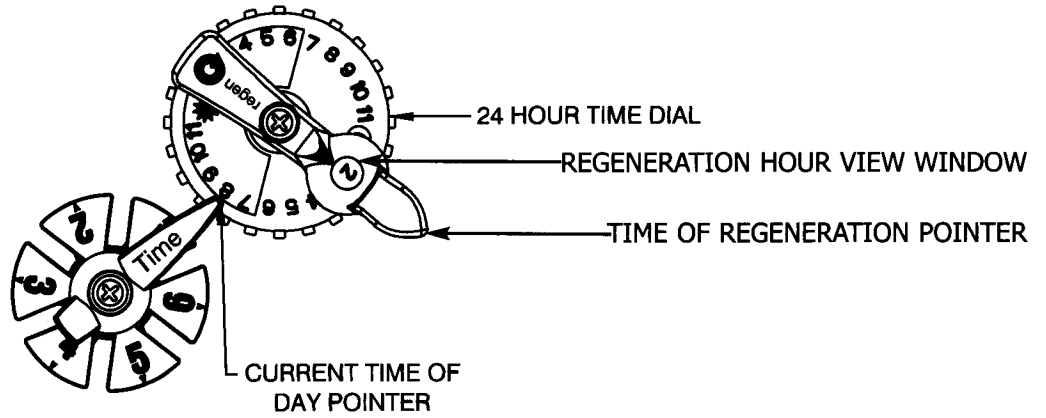
OPERATION OF THE TIMER

The timer is designed for years of maintenance free service, with minimal initial setup. Once the parameters are established and set by a RainSoft Representative, there is no need to adjust or change the parameters of the timer. If a noticeable change in the quality of your water has taken place, please contact your RainSoft Dealer immediately.



HOW TO ADJUST THE TIME OF DAY

To set or change the time of day, pull out the 24-Hour Time Dial and rotate the dial until the corresponding hour on the dial is lined up with the Current Time of Day Pointer. The dial has two, 12 hour periods that represent day-time and night-time. The night-time period is the half colored black with a moon in the 12:00 position. The day-time period is depicted by the light colored half with a sun. After the position of time is reached, release the 24-Hour Dial, ensuring that the dial reseats in gear. **Note: If you change from standard to daylight savings time, you may want to reset the time of day. If the power goes out, you must reset the time of day.**



HOW TO ADJUST THE TIME OF REGENERATION

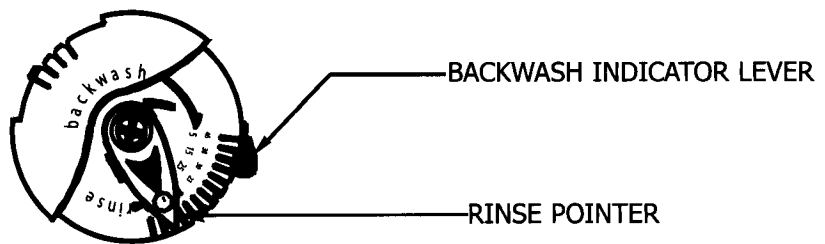
To set or change the time of regeneration, pull out the Time of Regeneration Pointer and continue to rotate until the desired time of regeneration is viewable in the pointer's "Regeneration Hour View Window". Release the pointer, ensuring that the pointer seats properly on the 24-Hour Dial.

Note: If a twin system was installed, set the regeneration times 1 hour apart.

HOW TO ADJUST THE BACKWASH TIME

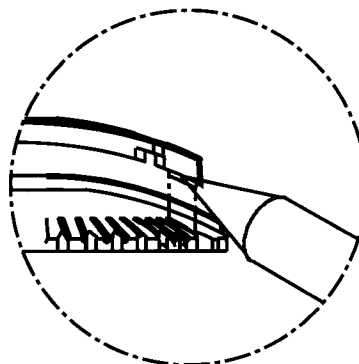
To set or change the backwash time, gently hold out the Backwash Indicator Lever and rotate the Backwash/Rinse Disk to the desired backwash time. The Backwash Indicator Lever will lock itself into the new position. When adjusting this function, it is recommended that the power be disconnected.

Note: We recommend the system(s) backwash every one to two days for most applications.



HOW TO ADJUST THE FAST RINSE TIME

The factory setting is 8 minutes, which is adequate for most applications. If you choose to adjust the fast rinse time, use a pen or leverage device to move the Rinse Pointer to the desired fast rinse time. The Rinse Pointer will lock itself into the new position. When adjusting this function, it is recommended that the power be disconnected.

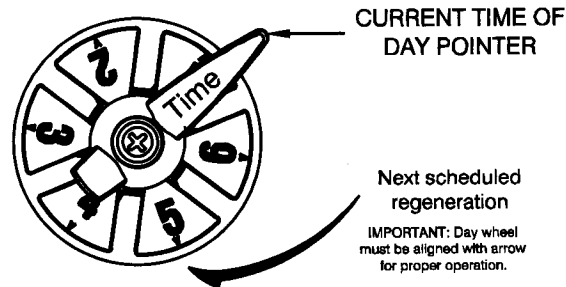


Use a pen or leverage device to lift and move the RINSE POINTER.

HOW TO ADJUST THE FREQUENCY OF REGENERATIONS

To set or change the frequency of regenerations, simply press in the corresponding day pin to initiate an automatic regeneration on that day. The days of regeneration are based on a 6 day timing scheme. A pressed numbered pin will correspond to an automatic regeneration when that particular day is reached. Example: If your water consumption dictates a regeneration every 3 days, simply press in the number 1 and 4 pins.

Note: The number of regenerations per week may need adjustments, depending on your water consumption and water quality.



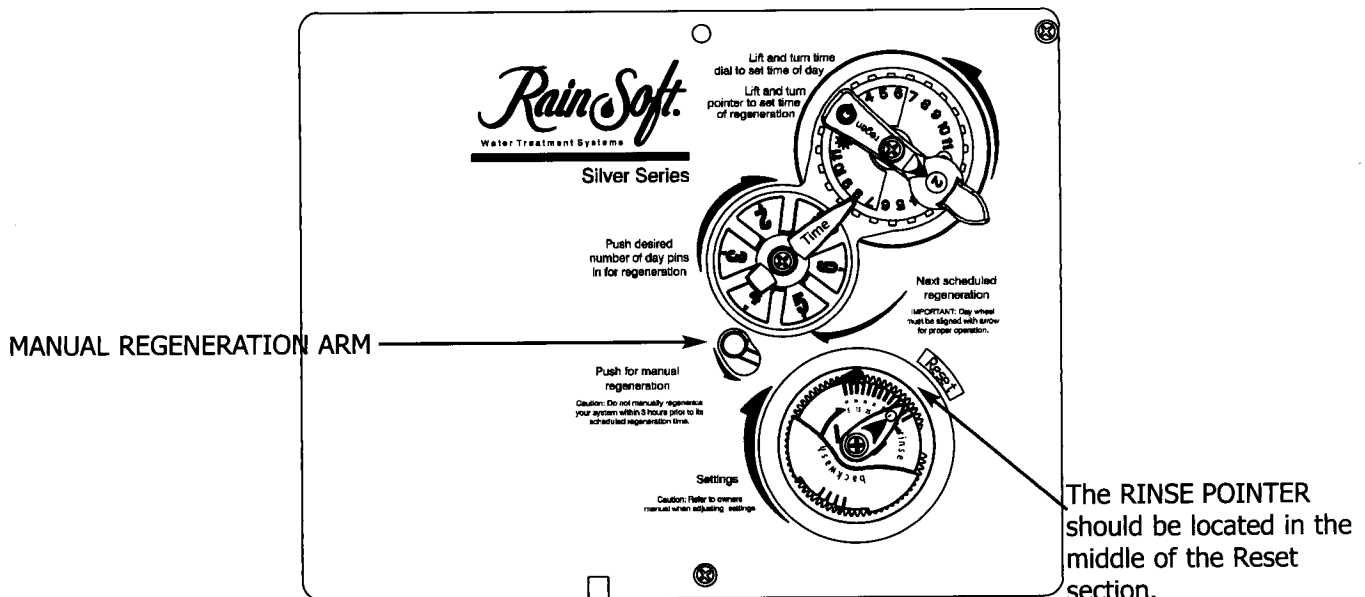
HOW TO MANUALLY INITIATE A REGENERATION

To manually initiate a regeneration, simply swipe the Manual Regenerate Actuator Arm downward, hold it for a few seconds and then walk away. The unit will automatically go into a regeneration, just like it would have during the normal, scheduled regeneration time. If you foresee using a large quantity of water, a manual regeneration is often recommended.

HOW TO MANUALLY CANCEL A REGENERATION

To cancel a manual regeneration, that is already in progress, simply rotate the Backwash/Rinse Dial until the Rinse Pointer is in the middle of the Reset section on the timer faceplate. When the timer has been reset, the regeneration will be cancelled and the timer will return to the service position.

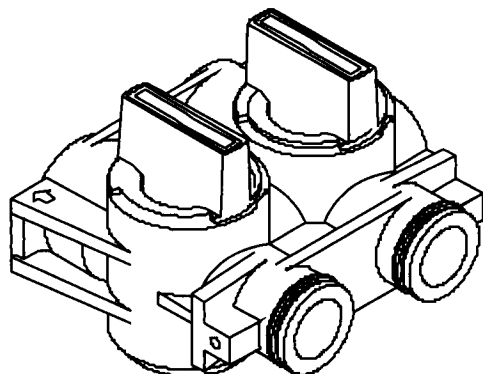
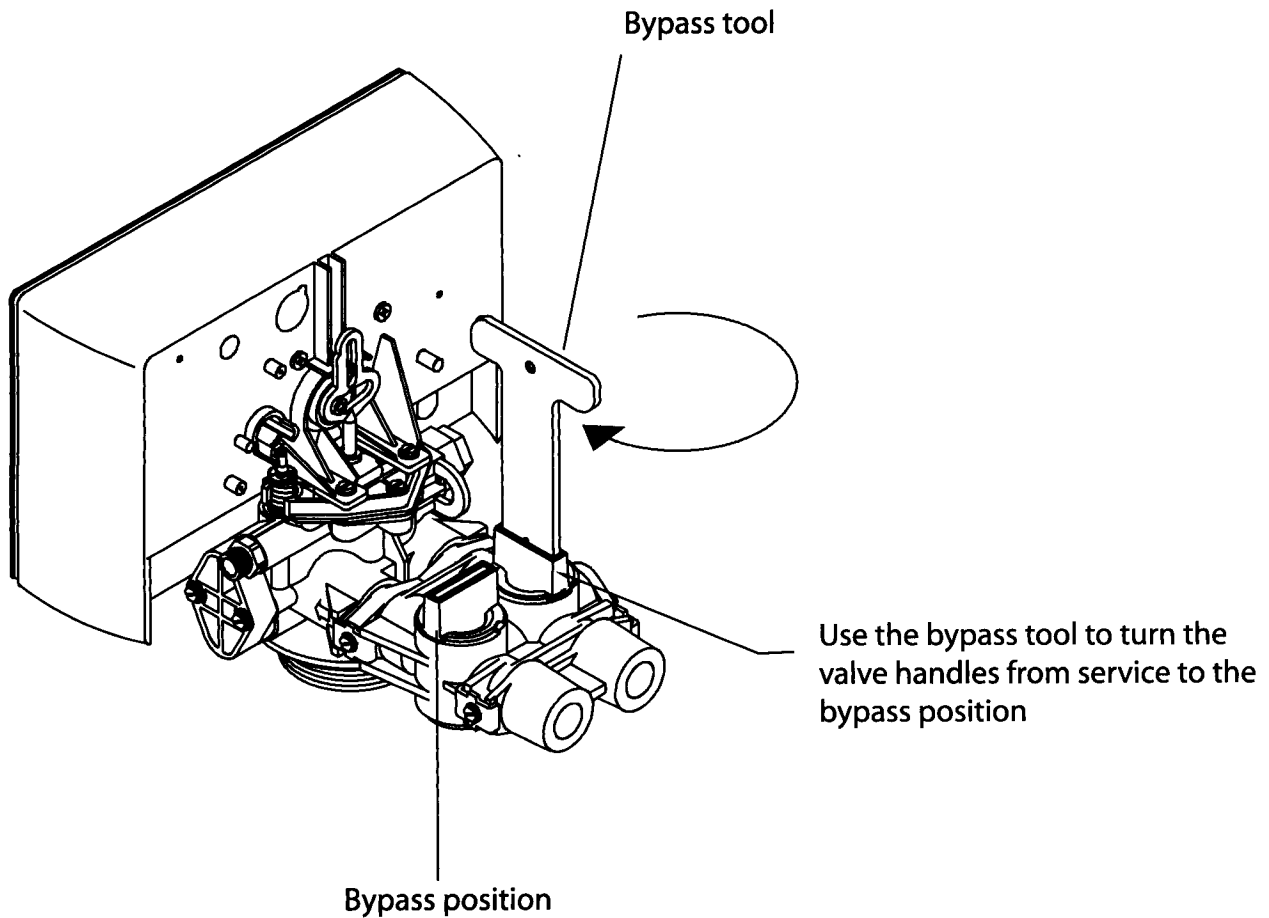
Note: Cancelling a regeneration, that is already in progress, may stop the filter from properly cleaning.



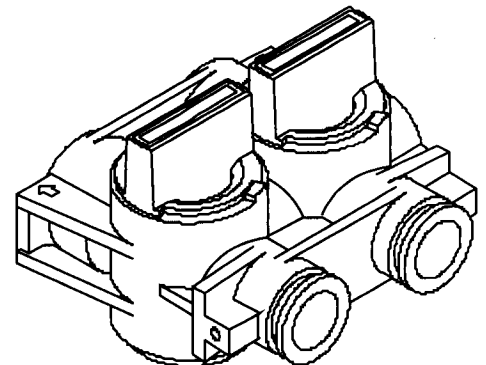
OPERATION OF THE BYPASS VALVE

A bypass valve was attached to your Water Treatment System during the installation of your unit. The bypass valve enables you to bypass your Water Treatment System in the case of: emergency leaks in the equipment, service calls and/or outdoor water use.

The pressure of the water may increase the difficulty of turning the bypass valve handles. The bypass tool, supplied with your unit, can assist you in this process.



Service Position



Bypass Position

TROUBLESHOOTING YOUR UNIT

SYMPTOM	CAUSE	SOLUTION
1. Filter Fails to Regenerate Automatically	<p>Power supply plugged into intermittent or dead power source.</p> <p>Proper amount of day pins are not depressed.</p>	<p>Connect to constant power.</p> <p>Depress the proper amount of day pins.</p>
2. The System Regenerates at the Wrong Time	<p>The timer is not set properly.</p> <p>The time is off due to daylight savings.</p>	<p>Reset the time of day and hour of regeneration.</p> <p>Reset the time of day.</p>
3. Poor Water Quality	<p>Your raw water has changed.</p> <p>The bypass valve is open.</p> <p>The power supply is disconnected.</p>	<p>Call your local RainSoft Dealer for a new water analysis.</p> <p>Close the bypass valve.</p> <p>Plug in the power supply. Reset time of day.</p>
4. Loss of Water Pressure	<p>Low water pressure to the system.</p> <p>Mineral bed is exhausted or fouled.</p> <p>The post-filter is dirty or clogged.</p>	<p>Bypass to confirm and isolate the problem.</p> <p>A. If the problem still exists, it is not related to a RainSoft product. Have your water distribution system checked.</p> <p>B. If the problem is resolved after bypass, call your local RainSoft Dealer.</p> <p>Call your local RainSoft Dealer. The system may need to be re-bedded.</p> <p>Change the post-filter.</p>
5. Continuous Flow to Drain	<p>The system is in a cleaning cycle.</p> <p>The timer motor failed during a regeneration.</p> <p>Foreign material in valve.</p>	<p>Allow the system to complete the cycle and reset the time of day, if necessary.</p> <p>Call your local RainSoft Dealer.</p> <p>Call your local RainSoft Dealer.</p>
6. Iron Stains or Sulfur Smell	<p>The system is not regenerating.</p> <p>The mineral bed is exhausted or fouled.</p>	<p>See Symptom #1 or call your local RainSoft Dealer.</p> <p>Call your local RainSoft Dealer. The system may need to be re-bedded.</p>

If the troubleshooting section has not resolved your unit's symptoms, please contact your local RainSoft Dealer for service. If you cannot locate your local RainSoft Dealer, please contact RainSoft Customer Service at 1-800-860-7638 for the name and location of your nearest Dealer.

IF YOU REQUIRE SERVICE ON YOUR RAINSOFT PRODUCT, PLEASE CONTACT YOUR LOCAL RAINSOFT DEALER IMMEDIATELY.

IF A PRODUCT MALFUNCTION HAS CAUSED DAMAGE TO YOUR PERSONAL PROPERTY, PLEASE FOLLOW THESE INSTRUCTIONS:

1. DO NOT REPAIR UNIT.
2. DO NOT REPAIR DAMAGED PROPERTY OR MERCHANDISE.
Damaged property or merchandise should be preserved "as is" for inspection by a properly credentialed Factory Representative. (Not a Dealer or agent of a Dealer.)
3. IMMEDIATELY NOTIFY THE CUSTOMER SERVICE DAMAGE CLAIM DEPARTMENT in Elk Grove Village by calling 1-800-860-7638 or 847-437-5539, followed by a confirming letter sent by registered mail to:

CUSTOMER SERVICE-DAMAGE CLAIM DEPARTMENT
RAINSOFT DIVISION OF AQUION PARTNERS, L.P.
2080 EAST LUNT AVENUE
ELK GROVE VILLAGE, ILLINOIS 60007
4. A FACTORY REPRESENTATIVE will examine the damage and then determine liability of the company.

IMPORTANT: DAMAGE CLAIMS WILL NOT BE HONORED BY THE FACTORY UNLESS THE ABOVE PROCEDURE IS FOLLOWED!

Limited Lifetime Warranty

for as long as you own the equipment

RainSoft Division of Aquion Partners L.P., believing its RainSoft **RFC-K MODEL** to be of exceptional quality, hereby warrants the said equipment to its first purchaser at retail as follows:

The following components: **TREATMENT TANK AND VALVE** are **WARRANTED AGAINST DEFECTS IN MANUFACTURE FOR THE LIFETIME OF THE FIRST PURCHASER AT RETAIL.**

ELECTRICAL PARTS are warranted against defects in manufacture for **FIVE YEARS** and pro-rata warranted for an additional **FIVE YEARS.**

The **FILTER MEDIA** is not warranted.

This warranty begins at the time the equipment is first connected for use, and is contingent upon the return of a signed owner's registration card.

This warranty does not require replacement of the entire unit. If the equipment does not perform properly, you should request service from the Dealer that sold you the equipment. If you are not satisfied, you should notify our Customer Service Manager. If the manager is not able to arrange local servicing, you should send the defective part(s) directly to the manufacturer, freight prepaid, with proof of purchase and a copy of this warranty. The defective part(s) will either be repaired or new RainSoft part(s) furnished, for a nominal charge to cover labor, handling, packing and the increase, if any, in the retail price of the part(s) since the date of purchase. Genuine RainSoft parts must be used. Failure to use genuine RainSoft parts will void the warranty and certifications.

This warranty does not include labor charges, and does not cover installation, transportation, or any other claims or torts. Some states do not allow the exclusion or limitation of incidental or consequential damages, so parts of the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. You also have implied warranty rights. In the event of a problem with warranty service or performance, you may be able to go to a small claims court, a state court, or a Federal District Court.

This warranty is void if equipment is not installed and operated according to instructions. It does not apply to damage caused by abuse, accident, neglect, freezing, fire, or other abnormal conditions beyond our control. This warranty is void on any part from which the manufacturing date has been removed or made illegible.

Benefits will be provided by various types of RainSoft equipment when installed and operated according to the manufacturer's recommendations. Operational, maintenance and replacement requirements are essential for the product to perform as advertised. All claims are based on the best available information at the time of printing. Manufacturer makes no representations as to the suitability of this equipment for a particular application. Buyer relies entirely on the Dealer's recommendations in the purchase of this equipment.

Independent RainSoft Dealers may include, together with your RainSoft product, a product or component that is not manufactured by RainSoft or their parent company, Aquion Partners, LP. Any non-RainSoft product may be covered by the manufacturer of that product, and is not covered by the RainSoft warranty. Aquion Partners, LP does not warrant that your RainSoft product and the non-RainSoft product will perform properly when used together, and assume no liability therefore.

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