

RainSoft Division of Aquion Water Treatment Products  
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# RainSoft®

Water Treatment Systems  
Since 1953

## SILVER SERIES WATER FILTRATION SYSTEM

# Owners Manual



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



Models RFC 50 SH, 100 SH, 150 SH and 250 SH are tested and certified by the WQA to NSF/ANSI Standards 42 and 53. Models RFC 100 Y, 150 Y, 100 YZ and 150 YZ are tested and certified by the WQA to Standard S-200. See the performance data sheet for specific reduction claims. Do not use this product with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Part No.: 15320  
Revised: 09/04

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**Water treatment devices sold to retail consumers in California, accompanied by certain health claims, must be certified by the State of California Department of Health Services. This product is not certified in California.**

You now own the finest Water Filtration System available to homeowners. To enjoy the maximum benefits of this system, please read the contents of this Owners Manual.

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

## OPERATING YOUR UNIT

WATER PRESSURE: 20 psi - 100 psi (138 kPa - 689 kPa)

OPERATING TEMPERATURE: 40° F - 100° F (4.4° C - 38° C)

ELECTRICAL REQUIREMENTS: A constant, properly grounded alternating current (A/C) supply is required for proper operation of the system (USA: 110V/International: 220V). **Note: The system operates on low voltage and requires the use of the supplied transformer (24V).**

EXISTING PLUMBING CONDITIONS: Plumbing should be free from lime and/or iron buildup. Piping that contains large amounts of lime and/or iron should be replaced.

## MAINTENANCE REQUIREMENTS

VALVE: The 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.

MEDIA: The filter media will eventually become exhausted or consumed and will need to be replaced. Your local RainSoft Dealer can give you replacement schedules based on your water usage and incoming water quality. For replacement filter media, please contact your local RainSoft Dealer.

## INSTALLATION REQUIREMENTS

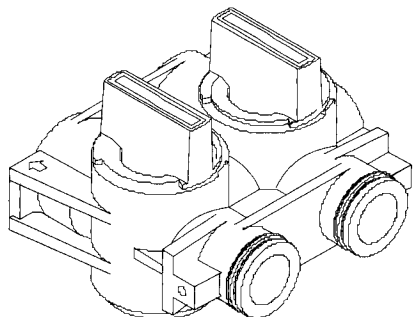
This system must be installed in accordance with all applicable state and local laws and regulations. The Silver Series Water Filtration System is not certified by the State of California.

Do not install this system where water is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

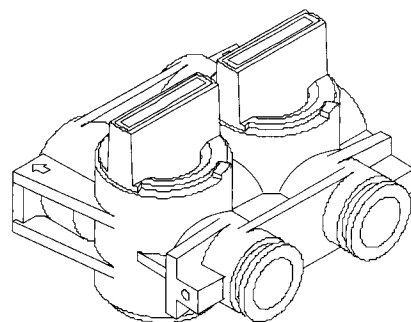
Do not install this system in areas affected by extreme heat, cold or the elements.

## OPERATION OF THE BYPASS VALVE

The bypass valve enables you to bypass the system in situations of: emergency leaks in the equipment, service calls and/or outdoor water use.



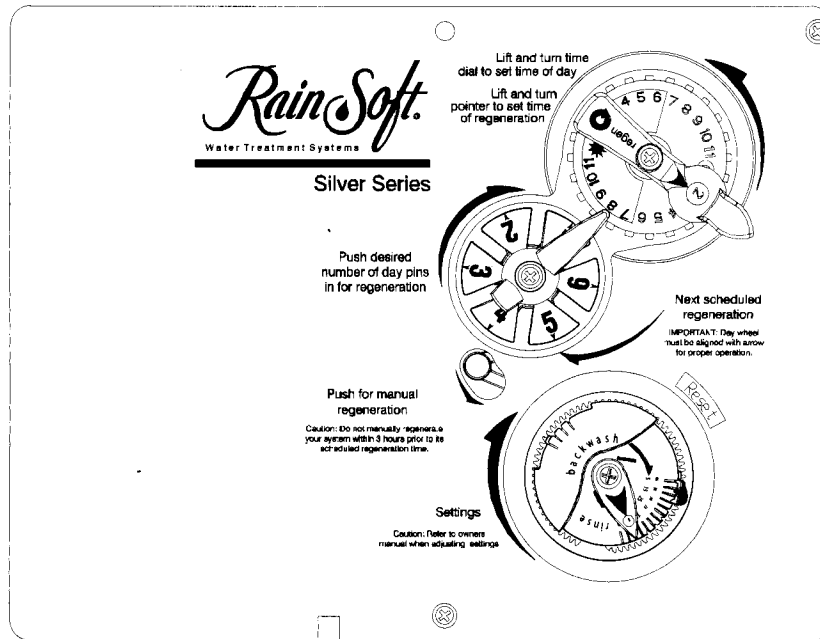
Service Position



Bypass Position

## OPERATION OF THE TIMER

The Silver Series 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.



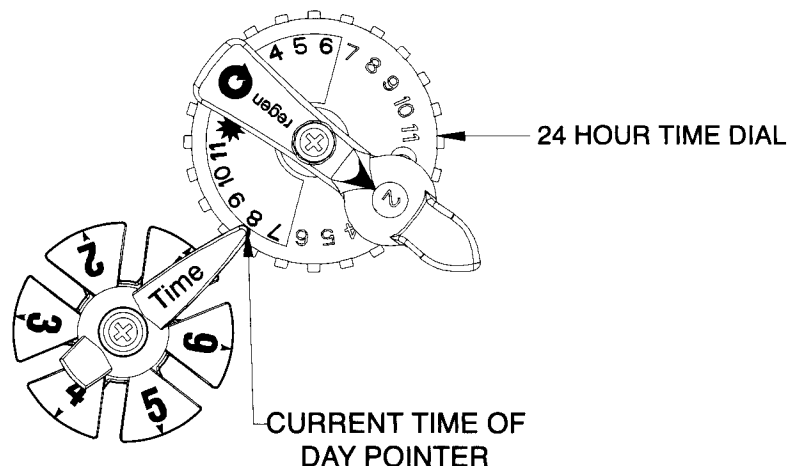
## HOW TO ADJUST THE CORRECT TIME OF DAY

To set or change the correct 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 24 Hour Time Dial has two, 12 hour periods that represent daytime and nighttime. The nighttime period is the half colored black with a moon in the 12:00 position. The daytime period is depicted by the light colored half with a sun.

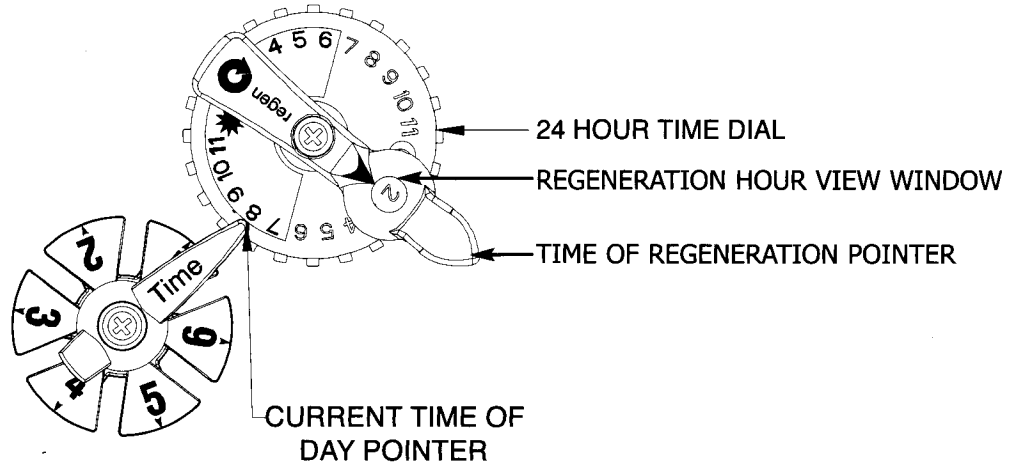
After the position of time is reached, release the 24 Hour Dial, ensuring that the dial resets in gear.

**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 the pointer until the desired time of regeneration is viewable in the "Regeneration Hour View Window". Release the Time of Regeneration Pointer, ensuring that the pointer seats properly on the 24 Hour Dial. **Note: If you have more than one unit, do not set the regenerations for the same time of day. It is recommended that the regenerations be set at least two hours apart.**

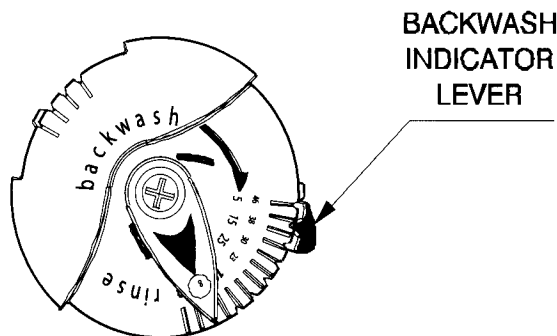


## HOW TO ADJUST THE FREQUENCY OF REGENERATIONS

To set or change the frequency of regenerations per week, simply press in the corresponding 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 and iron level dictates a regeneration every 3 days, 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 ADJUST THE BACKWASH TIME

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



## 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, hold the Backwash/Rinse Dial and move the Rinse Pointer with a pen or leverage device (see figure 1) to the desired fast rinse time. The Rinse Pointer will lock itself into the new position. **Note: When adjusting this function, it is recommended that the power be disconnected.**

FIGURE 1  
SIDE VIEW

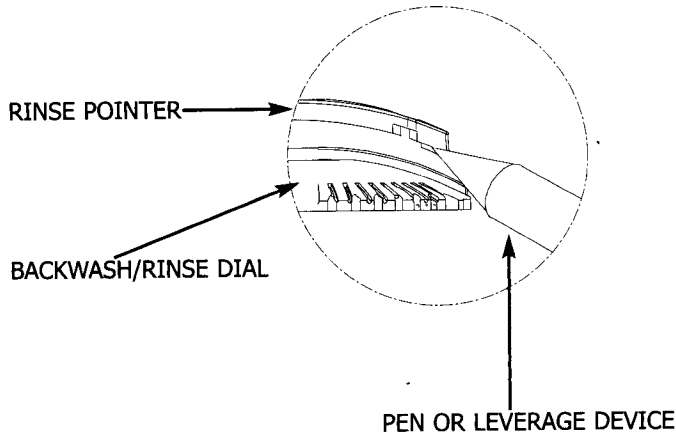
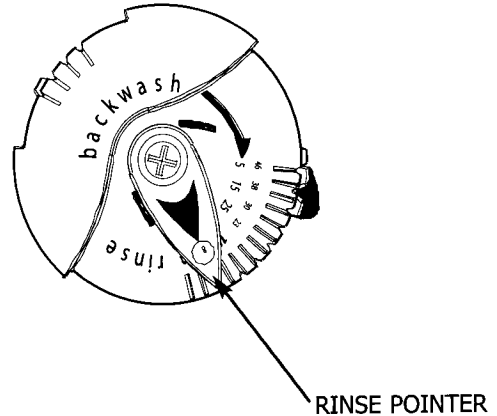


FIGURE 2  
FRONT VIEW



## HOW TO MANUALLY INITIATE A REGENERATION

To manually initiate a regeneration, press the "regeneration" button. The unit will go into a regeneration, just like it would have during the normal, scheduled regeneration time.

## HOW TO CANCEL A MANUAL 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. 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.**



## TROUBLESHOOTING YOUR UNIT

SYMPTOM	CAUSE	SOLUTION
1. The filter fails to regenerate automatically	<ol style="list-style-type: none"> <li>1. The power supply is plugged into intermittent or dead power source.</li> <li>2. The proper day pins are not depressed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect to a constant power source.</li> <li>2. Push in the proper day pins.</li> </ol>
2. The system regenerates at the wrong time	<ol style="list-style-type: none"> <li>1. The timer is not set properly.</li> <li>2. The time is off due to daylight savings.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset the time of day/hour of regeneration.</li> <li>2. Reset the time of day.</li> </ol>
3. Poor water quality	<ol style="list-style-type: none"> <li>1. The raw water has changed.</li> <li>2. The bypass valve is open.</li> <li>3. The power supply is disconnected.</li> </ol>	<ol style="list-style-type: none"> <li>1. Call your RainSoft Dealer for a new water analysis.</li> <li>2. Close the bypass valve.</li> <li>3. Plug in the power supply.</li> </ol>
4. Loss of water pressure	<ol style="list-style-type: none"> <li>1. Low pressure to the unit.</li> </ol>	<ol style="list-style-type: none"> <li>1. Bypass the system and call your RainSoft Dealer. If the problem still exists after bypass, it is not related to a RainSoft product. Have your water distribution system checked.</li> </ol>
5. Constant flow to the drain	<ol style="list-style-type: none"> <li>1. Foreign material in the valve.</li> </ol>	<ol style="list-style-type: none"> <li>1. Call your RainSoft Dealer to clean the valve.</li> </ol>

If the troubleshooting section did not resolve the 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 or log onto [www.rainsoft.com](http://www.rainsoft.com) for the name and location of your nearest Dealer.

# *Limited Lifetime Warranty*

*For as long as you own the equipment*

RainSoft Division of Aquion Water Treatment Products, believing its

## **SILVER SERIES WATER FILTRATION SYSTEM**

to be of exceptional quality, hereby warrants said equipment to its first purchaser at retail as follows:

**THE FOLLOWING COMPONENTS: TREATMENT TANK AND VALVE BODY ARE WARRANTED AGAINST DEFECTS IN MANUFACTURE FOR THE LIFETIME OF THE FIRST PURCHASER AT RETAIL.**

**THE ELECTRICAL PARTS ARE WARRANTED AGAINST DEFECTS IN MANUFACTURE FOR FIVE YEARS AND PRO-RATA WARRANTED FOR AN ADDITIONAL FIVE YEARS.**

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 we are not able to arrange local servicing, you should send the defective part(s) (or, if you prefer, send the entire unit,) directly to the manufacturer, freight prepaid, with proof of purchase and a copy of this warranty. The defective part(s) (or entire unit) 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 the company's 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, AWTP, LLC. Any non-RainSoft product may be covered by the manufacturer of that product, and is not covered by the RainSoft warranty. AWTP, LLC 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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