



Clean Water Made Easy

www.cleanwaterstore.com

7500-REV4 Up-Flow Cabinet Softener Installation Guide

Thank you for purchasing a Clean Water System!
Please review this start-up guide entirely.

A minimum pressure of 30 PSI is recommended.

Maximum pressure recommended 80 PSI.

For indoor installation only.

Protect from sunlight, rain, and freezing.

Questions?

Call us toll-free: 1-888-600-5426 or 1-831-462-8500

Email us: support@cleanwaterstore.com

See more information on our website: www.cleanwaterstore.com/resources



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7500-Rev4 Water Softener Installation & Startup Guide

Pre-Installation

1. If you are going to be turning off the water to the house and you have an electric water heater, shut off the power to the water heater before beginning installation in case the water heater is accidentally drained.
2. Pick a suitable location for your filter system on a level spot where it won't be exposed to freezing temperatures. A minimum of 20 PSI is required, and the maximum pressure is 90 PSI.
3. Get all of your plumbing parts together before beginning installation, and make sure you have received all of your packages before beginning or scheduling an installation. After installation, the Water Softener must be allowed to run through a complete regeneration (backwash and rinse cycle) (90 minutes).
4. After installing and running the system, your water may be discolored, particularly if you have older or corroded piping. This typically clears up over a day or two.

Best Practices for Piping & Drain Installation

1. Make sure to connect the Inlet from your water source and outlet, following arrows on the control valve.
2. Make sure there is a working gate or ball valve before the system and also one after as well as a bypass valve.
3. A hose bib (which is a faucet to which you can attach a garden hose) is strongly **recommended after the Water Softener and before the second ball valve**. This allows you to rinse your new Water Softener on start-up and gives you a place to test the water.
4. If you will be using copper piping, do not sweat the copper pipe directly on to the 7500-REV4 control valve.
5. To connect drain line to drain, use an air-gap connection, so that if your sewer or septic tank backs up, it cannot cross connect with the drain tubing.



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Step 1: Set up bypass and power supply

1. Remove back cover.



2. Slightly pull the Top cover back from over the tabs on the back corners of the unit.



3. Pull the Top cover forward and temporarily support.



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4. Install the bypass assembly using the two large black clips.



5. Install the flow meter cable.



6. Plug in the power supply to the unit.



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Step 2: Master Programming

1. Plug the Unit in and immediately push and hold the Manual/ Return and the down arrow buttons simultaneously. Hold for a few seconds. You are now in master programming.
2. Using the up or down button, scroll to the set language and push the Menu / Confirm button. Scroll and Select English. Push Menu Confirm.
3. Using the up or down button scroll to the set Flow Rate Unit and push the Menu / Confirm button. Scroll and Select Gallons. Push Menu Confirm.
4. Using the up or down button scroll to the Set Resin Volume and push the Menu / Confirm button. Scroll and Select 28 Liters. Push Menu Confirm.
5. Using the up or down button scroll to the Coefficient of WTC (Water Treatment Capacity) and Select 40K and then push the Menu / Confirm button.
6. Using the up or down button scroll to the set Brine D Type and push the Menu / Confirm button. Scroll and Select Upflow. Push Menu Confirm.
7. Using the up or down button scroll to the Backwash Time and push the Menu / Confirm button. Scroll and set to 5 min. Push Menu Confirm.
8. Using the up or down button scroll to the BSRT and push the Menu / Confirm button. Scroll and set to 60 min. Push Menu Confirm.
9. Using the up or down button scroll to the BR Time and push the Menu / Confirm button. Scroll and set to 28:00 Min. Push Menu Confirm.
10. Using the up or down button scroll to the FR Time and push the Menu / Confirm button. Scroll and set to 9 Min. Push Menu Confirm.
11. Using the up or down button scroll to the Interval B.W. Time and push the Menu / Confirm button. Scroll and set to F.00. Push Menu Confirm.
12. Using the up or down button scroll to the Interval Regen and push the Menu / Confirm button. Scroll and set to 14 Days.
13. Using the up or down button scroll to the Internal Backwash Time and push the Menu / Confirm button. Scroll and Select F-00. Push Menu Confirm.
14. Using the up or down button scroll to the Salt Adding Volume and push the Menu / Confirm button. Scroll and Select 10 kg. Push Menu Confirm.
15. Press the Manual / Return button to exit out of the Master Programming. You should see Water System in Service on the screen.

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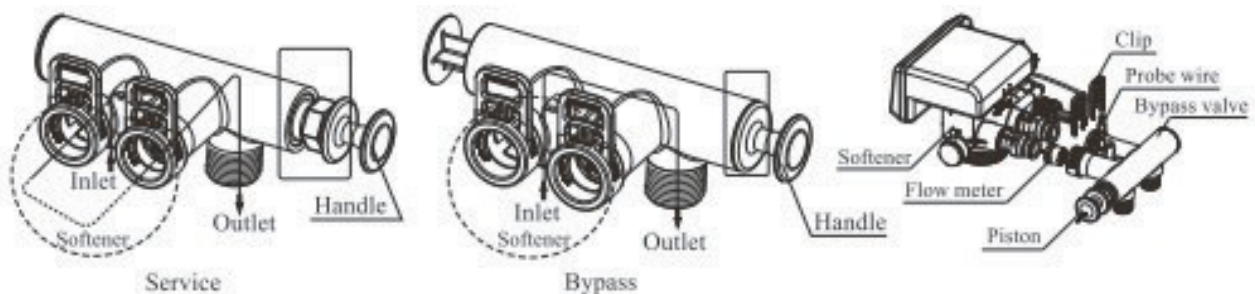
Step 3: Set Time of Day and Water Hardness

1. Push the Manual/ Confirm button. You are now in the Customer Programming level.
2. Using the up or down button scroll to Set Time of Day. Scroll to set hours and minutes.
3. Using the up or down button scroll to Set Regen. Time (typically set to 2:00 AM).
4. Using the up or down button scroll to set Hardness (setting is in mg/liter). Find your water hardness levels using the hardness test kit, in grains per gallon. Multiply by 17.1 to convert to mg/L. For example, your water hardness is 10 grains per gallon. Enter 171.00 in the settings.
5. Using the up or down button scroll to Cnt water time. Set to zero.
6. Using the up or down button scroll to Peak FR for Close. Set to zero.
7. Press the Manual / Return button to exit out of the Customer Programming. You should see "Water System in Service" on the screen.

Step 4: Install Piping and Startup Softener

The softener is equipped with a bypass valve. Pull the bypass valve handle out to put on the bypass.

Connect incoming pipes to the inlet and outlet and outgoing pipes to the house. Turn the water on and flush the pipes to make sure no piping debris or sediment is present from the piping connections.



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Close gate or ball valve after softener (the one you installed).

Open up hose bib you installed after softener, before closed gate or ball valve.

Turn on garden hose (slowly at first) and run water to drain until water is clear (it will be yellow or brown at first).

NOTE: After the water is clear, you should see no resin beads in the water. Use a white 5 gallon bucket to make sure no resin is coming out during this step.

Add 2 gallons of water to the brine tank.

Add at least 50 lbs of water softener salt (coarse or pellets, either is fine) to brine tank.

Press Manual Regen button to initiate a regeneration.

Wait until regeneration is completed (about 90 minutes) and open up ball valve to house.

Enjoy soft water, you are done!!

Step 5: Mixing Valve Adjustment (Optional)

Your softener is equipped with a mixing valve. If you think the hardness of your water is too low, you can adjust the hardness by rotating the mixing valve. Access the mixing valve screw by removing cover.

To make your water a little less soft (more hard) adjust the mixing valve counter-clockwise.

Using your water hardness test kit, measure the hardness of the water coming out of the hose bib after the softener. Many folks find that adjusting the water hardness to 3 to 5 grains per gallon is satisfactory and can save on salt.



Indicator Light On Front of Softener

GREEN: In service, softening water. Normal mode

YELLOW: In a regeneration (typically happens at 2 AM, lasts 90 minutes)

RED: Reminder to add salt soon.



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7500-Rev4 Water Conditioners Limited Warranty

We warrant this water filter when installed according to factory recommendations, to be free from defects in materials and workmanship as follows:

Limited Warranty

This water conditioner unit is comprised of the finest industry components available. Each individual component used in the assembly of our equipment is covered by the original equipment manufacturer's warranty. All components, except those specifically listed below, are warranted for a period of one (1) year from the date of installation to the original purchaser to be free of defects in materials and workmanship subject to the manufacturer's conditions and/or the conditions shown below.

Mineral Tanks

The fiberglass, polyglass or composite mineral tanks used in the assembly of this unit are warranted to be free of defects in materials and workmanship for a period of ten (10) years on 6" – 13" size tanks, and five (5) years on 14" and larger size tanks used for softener/filtration applications, subject to the manufacturer's conditions and/or the conditions shown below. **The warranty does not cover exposure to weather, freezing, fractures caused by external impact, or exposure to vacuum.**

Control Valves

The CWS control valve is warranted to be free of defects in materials and workmanship for a period of five (5) years.

Conditions

1. This warranty only covers water conditioners installed for residential use. Water conditioners installed for commercial or industrial applications are guaranteed for one (1) year from the date of installation.
2. The installation must be made in accordance with legal or local codes and the manufacturer's recommendations.
3. Failure must not result from exposure to weather, rodents, misuse, alteration, fire, lightning, power surges or neglect.
4. Water pressure must not exceed 100 PSI and water temperature must not exceed 100 degrees.
5. Subject to the above terms and conditions we will replace and/or repair, at our option, any parts of the water conditioner found defective in materials and workmanship. Defective parts must be returned; freight must be pre-paid for repair or replacement.
6. **This warranty does not cover labor, shipping charges, damages caused by delays of consequential damages or other causes beyond our control. Warranty does not cover pipes, fixtures or appliances. Warranty extends to the actual water conditioner components only.**
7. This warranty is to the original purchaser and is not transferable to any subsequent owner(s).
8. No other guarantee or warranty, expressed or implied, is applicable to our product. No repair or replacement made under the terms of the warranty shall extend this warranty.
9. Any product returned to Clean Water Store without a valid return authorization number will be rejected. Any product found to be defective will, at the sole discretion of Clean Water Store be repaired or replaced. Clean Water Store is not responsible for shipping cost to the repair facility.