kind
WATER SYSTEMS



E-2000UV
Installation Manual

Whole House Water Softener

kindwater.com

Scan me for 15% off Autoship Replacement Cartridges!

Have questions? Call us: 888-614-5559

Congratulations on your purchase of the **Kind Water Systems E-2000 UV Whole House Water Softener.** Please visit kindwater.com if you have any questions about your system. Our friendly water filtration specialists are also available by calling 888-614-5559 during normal business hours!



Max Flow Rate:	up to 15 GPM (Gallons Per Minute)
Max Capacity:	up to 5 Bathrooms
Max Hardness:	1282 PPM or 75 GPG
Connection Size:	1"
Operating Pressure:	25 to 120 PSI
Operating Temp:	36° to 120° F
pH Range:	6.5 to 9.5
Max Iron	= 0 mg/L
Max Hydrogen Sulfide	= 0 mg/L

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Items Included:

Kind E-1000 UV

A



Mounting Bracket

B



20" Housings with Manifold

C



Sediment Filter

D

eSoft Cartridge

E



(8) Machine Bolts and Washers

F



(3) Lag Bolts & Washers

G



(3) Tapcon Screws & Washers

H



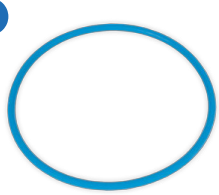
Spanner Wrench

I



5mm Allen Wrench

J



(2) O-Rings

K



(2) Silicone Lubricant

L



UV System

M



2 x 1.5" Machine Screws & Washers

PLEASE NOTE

Ensure all cartridges are centered and properly seated down into housing.





Easy Assembly and Installation

1. Open package and account for all items before starting installation.
   Note: *Remove and discard all cardboard used for packaging.*

2. Determine the location and water flow direction for the system.

3. Turn off the main water supply line to the home.

4. Open the nearest faucet (cold water) and leave it open.

   Note: *Ensure water comes to a stop, this will help verify the main water supply is off.*

5. Install the mounting bracket (A) horizontally to the wall using supplied fasteners.

   Note: *Be sure to level mounting bracket and properly attach to a wall stud or cement block, ensuring a secure mount. Lag Bolts (F) require a 1/4" drill bit not included. Tapcons (G) require a 5/32" drill bit not included.*

6. Once the mounting bracket (A) is level and properly mounted, remove the cartridge housings from the manifold and install manifold (B) to the mounting bracket orientating the INLET and OUTLET from left to right as marked on the manifold. Use item (E), (8) stainless steel machine bolts, and washers to attach.

7. Apply a layer of lubricant (K) onto each o-ring (J). Insert the lubricated O-ring into the groove located at the top edge of the cartridge housing. Thread housings back onto the manifold counterclockwise. Snug housings using the supplied wrench (H), do not over-tighten.

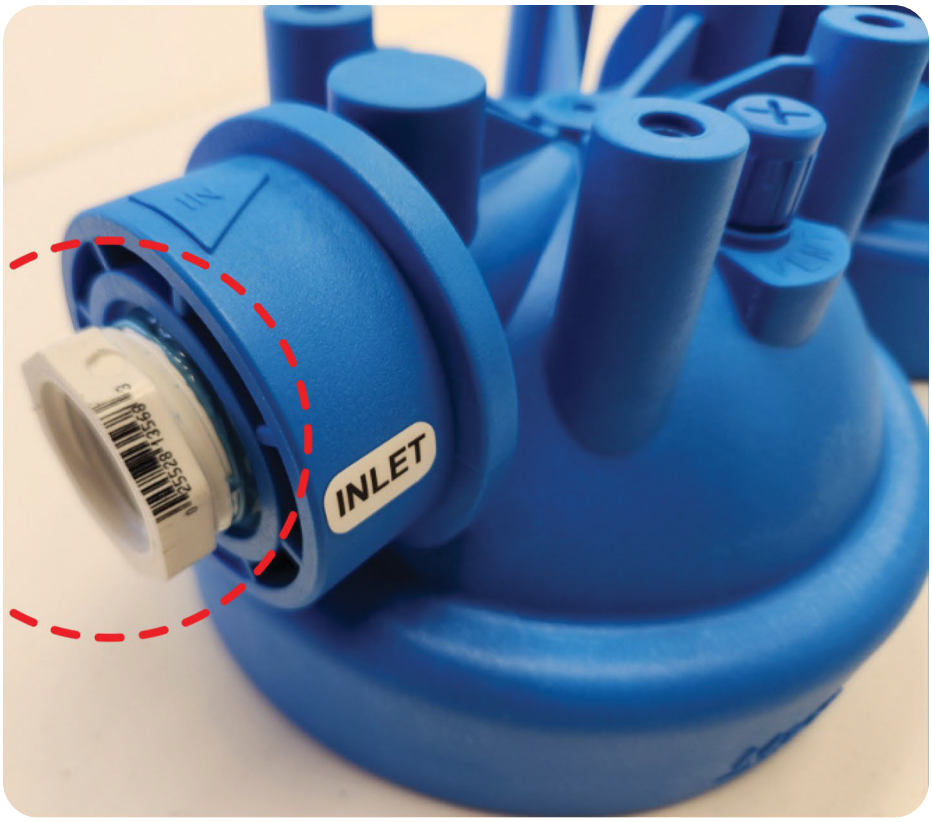
8. Adapt your plumbing connections as needed to the INLET and OUTLET (not included).

   Note: *When making your threaded connections to the INLET and OUTLET it is necessary to use both Teflon Tape and Thread Sealant - We recommend Rectorseal TRU-BLU which is available at all big box stores.* ***Note:*** *Plumbing a shutoff valve prior to system and a bypass is recommended, see Typical Installation Diagram.*

9. Slowly turn on the main water supply to fill the housings.

10. Allow the open faucet to run (cold water) for 10 minutes to flush the system.

11. Turn off the faucet and check for leaks, your system is now ready for use!



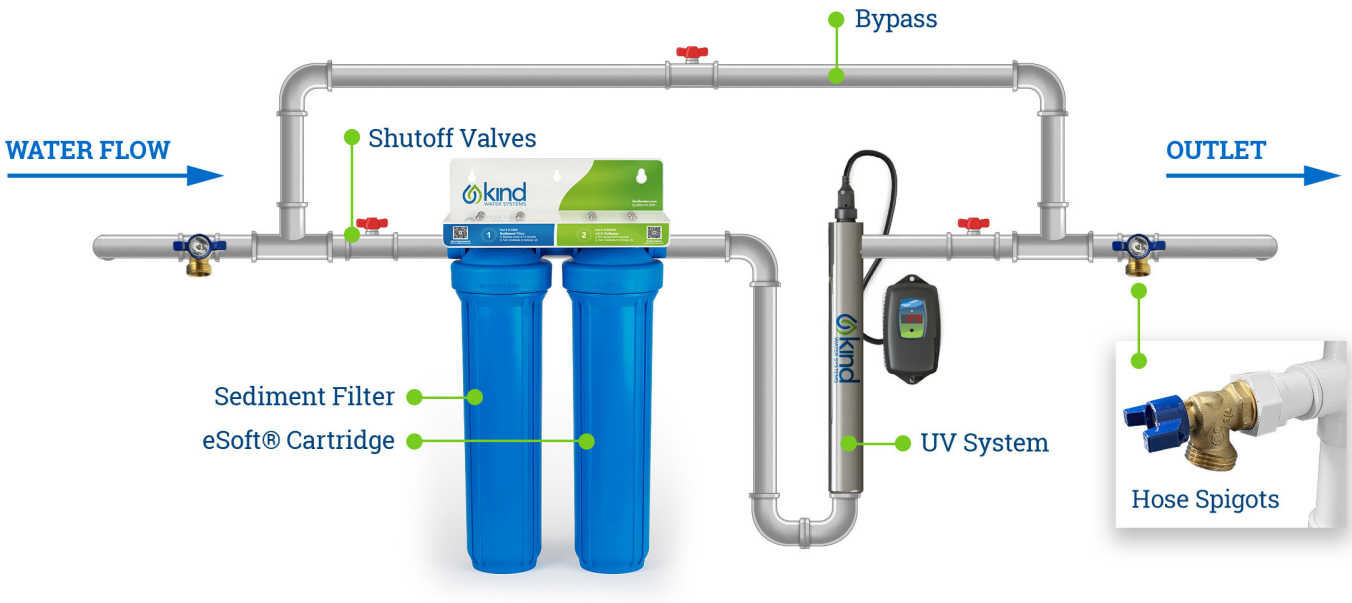
WARNING!

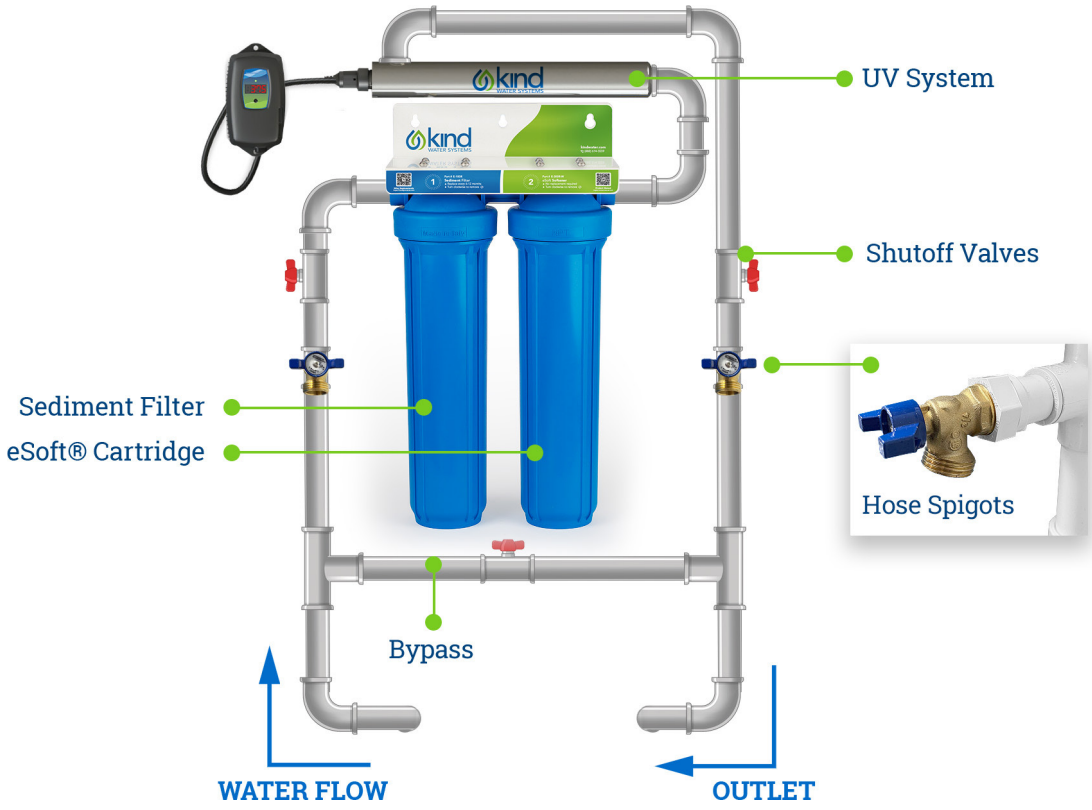
DO NOT OVERTIGHTEN FITTINGS INTO MANIFOLD!

- Per the manual (page 3), we recommend using Teflon tape and thread sealant (we recommend Rectorseal TRU-BLU).
- Overtightening can cause the manifold to split, rendering it useless. Note that fittings do not need to be fully seated into the manifold when using tape and sealant.
- Damage of this sort is NOT covered by warranty.

Need help? Call 888-614-5559

Typical Installations





Regular Maintenance

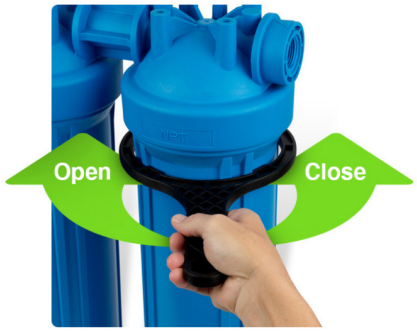
The Sediment filter will need to be replaced every 12 months. ESoft cartridge does not need to be replaced.

Note: Depending on water quality

Join our convenient
Kind AutoShip program
at kindwater.com/autoship.

Product Numbers:
E100R/KIND-L420C

Filter Replacement



PLEASE NOTE

Ensure all cartridges are centered and properly seated down into housing.



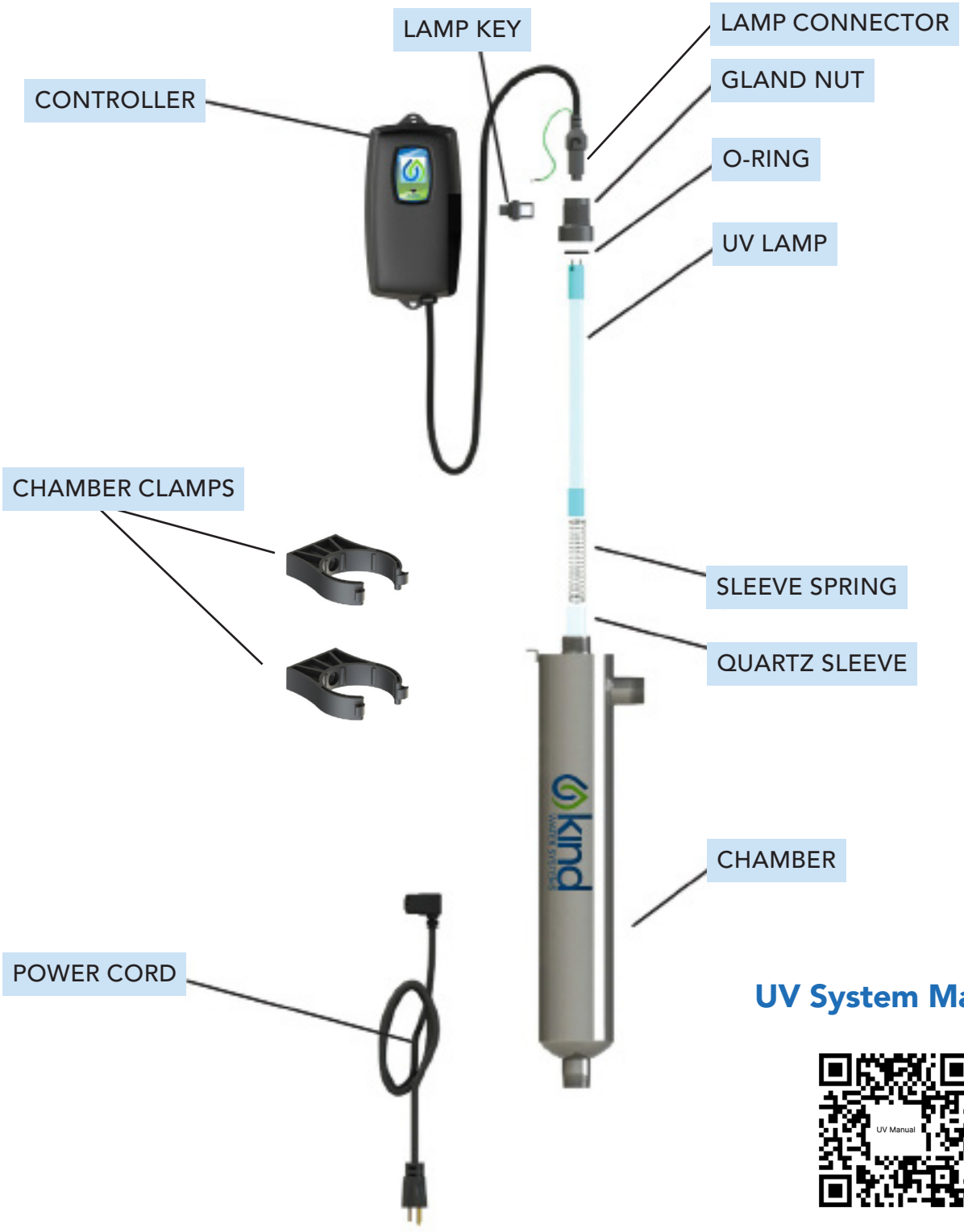


1. Turn off main water supply.
2. Open the nearest cold water faucet and leave open.
3. Apply wrench to cartridge housing & turn clockwise to loosen (to the left).
4. Remove and discard used o-ring and cartridge.
5. Unwrap and install a new cartridge centering on stand pipe.
6. Install a new o-ring lubricated with food grade silicone lubricant.
7. Re-install housing cartridge counter clockwise and tighten (do not over tighten).
8. Turn main water supply on slowly to allow the system to fill, the air will expel through the open faucet.
9. Run water at the nearest cold water faucet for 10 minutes to flush the system.
10. Close faucet and check for leaks.

If you are looking for replacement parts, or need help, please visit kindwater.com/replacements, or call 888-614-5559 during normal business hours.

UV Assembly

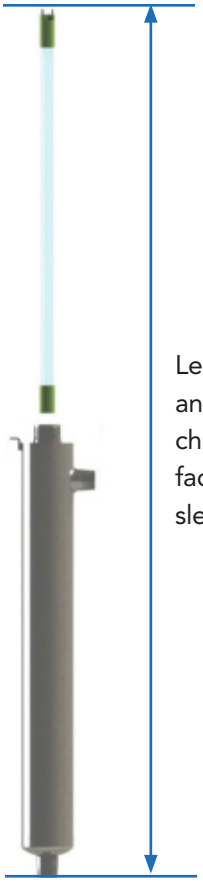
Unpack the system and ensure all the components are included with the system.
Your system is shipped with the following components:



UV System Manual

UV Manual

Installation



Leave at least an additional chamber length to facilitate lamp and sleeve removal

Step 1 The chamber can be installed either horizontally or vertically using the clamps provided. Horizontal installation can be accomplished by using the two included 1.5 inch machine screws to attach the system directly to the manifold.

Step 2 The use of a by-pass assembly is recommended as it will allow you to isolate the UV chamber. This will allow for easier access in case maintenance is required.

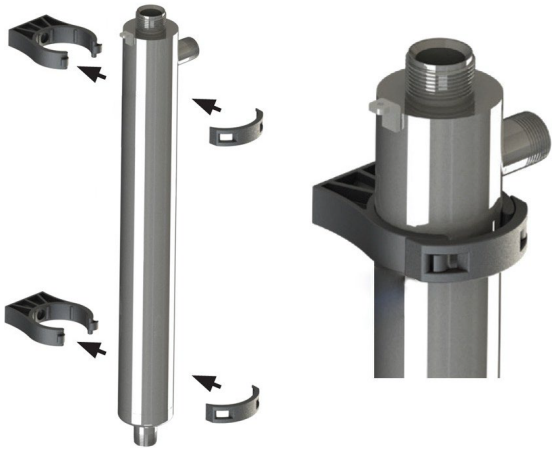
Step 3 Fasten chamber clamps to wall or manifold with screws provided. The screws must anchor securely into solid wood, concrete, or steel structure for adequate strength. Do not attempt to secure screws into drywall **(Figure 1)**. Install chamber into clamps **(Figure 2)**.

CAUTION: Be sure to use metal connections on the inlet/outlet of the UV chamber

Figure 1.
Fasten chamber clamps to wall or manifold



Figure 2.
Install chamber into clamps



NOTE: Installation of your Kind Water Systems UV Disinfection System shall comply with applicable provincial/state & local regulations.

Step 4

Once the system has been plumbed in, gently remove the quartz sleeve from its packaging being careful not to touch with your hands. The use of cotton gloves is recommended for this procedure as oils from the hands can leave residue on the sleeve and lamp which can ultimately block the UV light from getting to the water.
Carefully slide the sleeve into the chamber until you can feel it hit the opposite end of the chamber. Align the sleeve so it centered along the length of the chamber, then gently push it in to lock it into the internal centering springs in the far side of the chamber. Slide the o-ring onto the sleeve until it is butted up against the chamber. (**Figure 3**).



Figure 3.
Quartz Sleeve Installation

CAUTION: Pushing too hard when the sleeve is not aligned can damage the centering springs.

Step 5

Hand tighten the provided gland nut over the quartz sleeve onto the threaded end of the chamber. It has a positive stop to prevent over-tightening. A firm force may be required to fully tighten the gland nut, but **DO NOT USE TOOLS** for this step. Insert the provided stainless steel compression spring into the quartz sleeve. The spring works with the lamp and lamp connector to create the proper lamp alignment.

PLEASE NOTE: DO NOT install a UV lamp inside the quartz sleeve without the sleeve spring in place.

Step 6

The chamber is now ready for water flow. When all plumbing connections have been completed, slowly turn on the water supply and check for leaks. Make sure the bypass valves are functioning properly and that the water is flowing through the chamber.

Figure 4.
Fasten controller



Step 7

Fasten controller securely to wall with screws provided. Drywall anchors may be used. Note that the controller must be mounted vertically for adequate airflow across the aluminum heat sink on back (see **Figure 4**).

Lamp Key

Carefully remove plastic wrapping around UV lamp and remove the lamp key.



Figure 5.
Lamp Key Installation



Lamp Connection

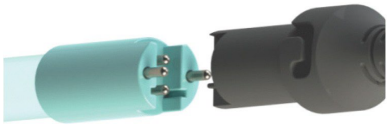


Figure 6a.
Lamp Connector Installation



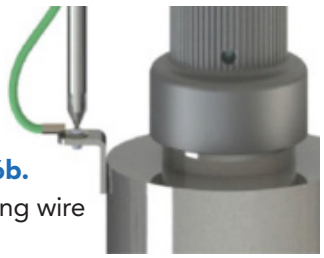


Figure 6b.
Grounding wire

Step 8	Always hold UV lamps by their ceramic ends, not by the lamp quartz. Remove the lamp from its packaging. Again, the use of cotton gloves is recommended. Remove the lamp key from the lamp's connector and set it aside for the next step. Be careful to not touch the key's exposed contacts. Insert the UV lamp into the chamber, being careful not to drop it (**Lamp Key**).
Step 9	**Install the lamp key into the controller.** The key always comes packaged with the lamp and sits on the connector. With the key removed from the lamp, orient it so the label is upright and facing you. The key will plug into the lamp key port on the right side of the controller (**Figure 5**).
Step 10	**Plug the lamp connector into the lamp,** ensuring proper alignment by matching the keying features. With the connector and lamp properly connected, insert it into the gland nut and rotate approximately one-quarter turn to lock it in place, as shown in (**Figure 6a**).
Step 11	Tighten the captive ground screw to the ground lug on the UV chamber to ensure proper grounding. (**Figure 6b**).
Step 12	Your system is now ready to be plugged into the appropriate GFCI protected outlet. Once plugged in the system will go into its warm up and calibration.
Step 13	Your UV installation is now complete.



Warranty Information

Visit kindwater.com/store-policy for all up to date warranty information.

All Kind Water Systems are automatically registered for full warranty upon checkout. There is no additional action needed by the consumer.

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888-614-5559

Monday – Friday: 8:30 AM – 8:00 PM EST
Saturday: 9:00 AM – 5:00 PM EST