

HOME PLUMBING STRUCTURED WATER

STEP BY STEP

Whole House Unit

IMPORTANT

All the illustrations in this instruction show typical plumbing methods; actual installations must be adapted to individual requirements and regional codes. The author has made every effort to ensure accuracy and reliability of the information, instructions, and directions. However, neither the author nor the manufacturer will accept responsibility for misinterpretation of the directions or human error.

Know where the main water shut off is located before starting.

We recommend installation by a licensed plumber.

NOTE: Structured Water Unit

1. Is not designed for extended hot water use above 140 degrees.
2. Is not designed to sustain freezing temperatures with residue water inside; function may possibly be deteriorated.
3. The Structured Water unit you received may rattle, this is normal; it contains a geometrically tuned chamber with specific geometric forms that align in the direction of flow.
4. Will become brittle and may deteriorate desired function if left exposed to the sun for an extended period of time.
5. The unit is bi-directional.
6. Locate the water service line entering home and turn off water service line.
7. Open a near by cold water faucet (cold water faucets are generally on the right side of the faucet unit) leave open until water stops flowing to ensure water is completely turned off & to relieve pressure than shut off faucet. Turning off the faucet prevents excess air from entering water lines.
8. The unit as shipped may be installed easily on $\frac{3}{4}$ inch diameter copper, PEX, CPVC, or PB tubing using the included SharkBite brass push-fit fittings for an easy installation see diagram.
9. Connect the unions on each end of the unit. Measure the full length of the assembled unit with connectors. Subtract 2 inches; this will be the amount to cut and remove from the service water line.
10. Measure and mark water service line to length ascertained in step 8
11. Hold the assembled water unit in place where the water line is to be cut to ensure enough space is available; length and depth.
12. Using an appropriate cutting tool, cut the pipe to the length determined in step 8.
13. Some water will be released when the water line is cut.

14. Retain removed water line for later use as a bypass in case the water system is to be moved at a later date.
15. If PEX tubing is the service water line, then the tube support liner must be used this support liner is already inserted in the SharkBite connector.
16. The tube support liner acts as an internal support for the end of the tubing.
17. Ensure that there are no scratches, gouges or any form of damage on the circumference of the tubing 1 in. (25.4 mm) of the cut end. Damage in this area may cause leakage.
18. Once the tubing is square and clean, measure 1" and mark the insert depth on the outside of the tubing. This mark is used to ensure that the joint is assembled correctly.
19. Unscrew the union connectors on the unit Check the SharkBite fittings for any signs of damage or foreign objects.
20. Push the SharkBite fittings onto ends of the cut tube or pipe. Fitting will grip before it seals. Ensure that the tubing or pipe is pushed into the fitting until the end is fully seated into the internal tube stop, up to the mark made in step 17.
21. Ensure the rubber o'rings are present on both of the 3/4 inch union connections.
22. Place the water unit between the union connections and hand tighten the unions (do not over tighten).
23. Turn on the water service supply line, ensure there are no leaks, turn on the near by water faucet (from step 6) to purge air out of water line until water runs smoothly & all the burping has stopped then close faucet & check for leaks.
24. The water will clean all calcium & aragonite deposits in your water pipes & appliances that use water. So, all existing deposits need to be flushed as much as possible if they are not your water maybe milky until this passes.
25. Contact an experienced Plumber to drain the sediment in the bottom of your water heater. If your water heater has not been drained periodically the drain valve at the bottom maybe corroded and may need to be replaced. The water heater may need to be drained weekly until all loosened aragonites are discharged.

Congratulations you have just installed a Structured Water Unit that will help maintain a green earth environment.

See Spiritofwater.org for information on water spirit healing and techniques to enhance your structured water device.