

# Natural Action Technologies™

## HOUSE UNIT

INSTALLATION INSTRUCTIONS for COPPER, PEX, AND CPVC PIPES  
USING SHARKBITE® CONNECTORS

***Congratulations!***

***You have just received a Natural Action Technologies™ Structured Water Unit.***

### IMPORTANT

#### Specifications

**Weight:** 2 lbs., 6 oz.

**Dimensions:** 18.5" L, 2.5" Diameter

**Volume:** 13.5 oz.



### IMPORTANT NOTES ABOUT YOUR UNIT

1. **Warranty:** This unit comes with Lifetime Warranty against manufacturer defects. Misuse of the unit is not covered.
2. Avoid leaving this unit in freezing temperatures with residual water inside as impaired function may result.
3. Avoid dropping this unit as it may result in impaired function
4. If unit is buried in dirt, any brass fittings must be covered or sealed from the dirt, as nature will break down the brass. Cover with several wraps of duct tape or other weatherproof wrap.



☐ Original    ☐ Dynamically Enhanced

Unit Size Included: ☐ 1" ☐ 3/4" ☐ 1/2"

## **IMPORTANT NOTES FOR HOT WATER HEATERS BEFORE AND AFTER INSTALLATION**

***Before installation, drain the hot water heater for a few minutes to flush sediments/old deposits that may have collected in your hot water tank.***

***Drain the hot water tank again in 3-days following initial install and then again after 2 full weeks from date of installation. Failure to do so may result in damage to the hot water heater.***

***After installation, tap water may exhibit discoloration temporarily as sediment is flushed from the system.***

***If in doubt with any part of this procedure, it is strongly recommended to consult an experienced plumber or handyman prior to installation.***

## **INSTALLATION TOOLS**

1. Pipe/Tube Cutter
2. Measuring Tape
3. Marker

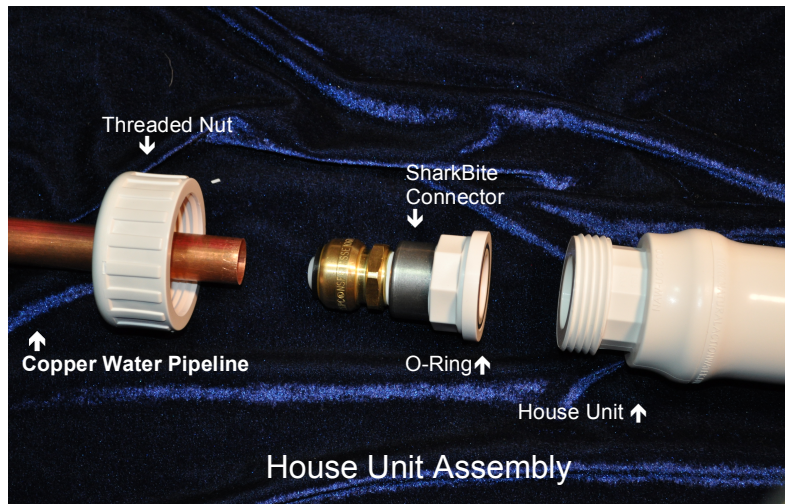


## **INSTALLATION INSTRUCTIONS**

### **Notes:**

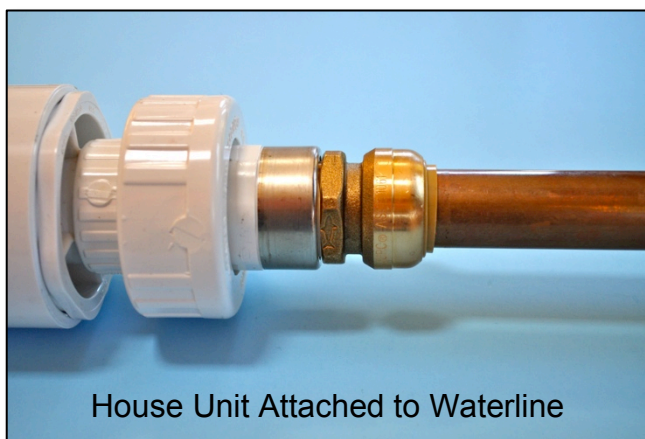
- *Your unit comes pre-wrapped with white plumber's tape ready for installation. Leave this on for leak-proof operation. Some plumbing fixtures may require additional tape.*
- ***Know where the main water shut off is located before starting.***
- The unit may be installed easily on a Copper, PEX, or CPVC water pipeline using the SharkBite® Connectors attached. (More info at: [www.sharkbite.com](http://www.sharkbite.com))
- The unit can be mounted in any position, with the water entering in from either side.

1. Locate the valve that turns off the water source and **turn it OFF.**
2. Open the cold-water faucet located at the lowest possible point in the plumbing system of the house. Leave open until water stops flowing to insure water is completely turned off and to relieve pressure.



3. Your purchase includes the House Unit with attached fittings on either side. *(Above picture shows one side.)*
4. Measure the full length of the unit from end to end. Write the measurement down on paper. Now, subtract 2" inches from the written measurement. The resulting number will be the pipe length to cut and remove from the water pipeline. *(i.e., Measurement minus 2" = pipe length to be cut out)*
5. Measure and mark the water pipeline to be removed, using the length obtained in Step 4.
6. Hold the unit in the place where the water pipeline is to be removed to insure enough space is available (length and depth).
7. Cut the water pipeline with a pipe/tube cutter to the length determined in Step 4.  
*Note: Residual water may be present in the line. A bucket and rag is recommended.*
8. Retain and store removed water pipeline for future use as a bypass, in case the water unit is removed at a later date.
9. Examine pipeline. Be sure that there are no scratches, gouges or any form of damage on the outside or inside of the water pipeline for 2 in. next to the cut end. Damage in this area may cause leakage. Rough edges to the pipe end may result in difficulty inserting or removing the SharkBite®.
10. Once the pipe/tubing is cleaned and lined up, measure 1" and mark the insert depth on the outside of the pipe/tubing. This mark is used to insure that the joint is assembled correctly.
11. Examine House Unit fittings. Unscrew the union connectors from the unit, checking the SharkBite® fittings for any signs of damage or foreign objects. Ensure the rubber "O" rings are present on both of the union connections.
12. **Slide the threaded PVC nut (unthreaded side first) onto the water pipeline about 6-8 inches inwards.** (This will be just enough to keep the nut out of the way as you go to snap the push-fit fitting on the water pipeline in step #13.)

13. Push the Push-fit fittings onto the ends of the cut pipe/tube. (Note: Fitting will grip before it seals.) Ensure that the pipe or tubing is pushed into the fitting until the end is fully seated into the internal tube stop, up to the mark made in Step 10.
14. Place the House Unit between the union connections. **Hand tighten** the unions. (Do not over tighten.)
15. Turn on the water supply line to the house. Check for leaks in the system.
16. Then turn on a nearby water faucet to purge air out of water line until the water runs smoothly and all the burping has stopped. Then turn off the faucet.



**Your installation is now complete! That was easy!**

#### **IMPORTANT ADDITIONAL NOTES:**

1. Structured water will clean all calcium and aggregate deposits in your water pipes, and appliances that use water. So, all existing deposits need to be flushed as much as possible. Your water may be milky or discolored until the deposits have been flushed out completely, especially in older homes.
2. You may wish to 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 may be corroded and may need to be replaced. **The water heater may need to be drained weekly until all loosened deposits are flushed out.**

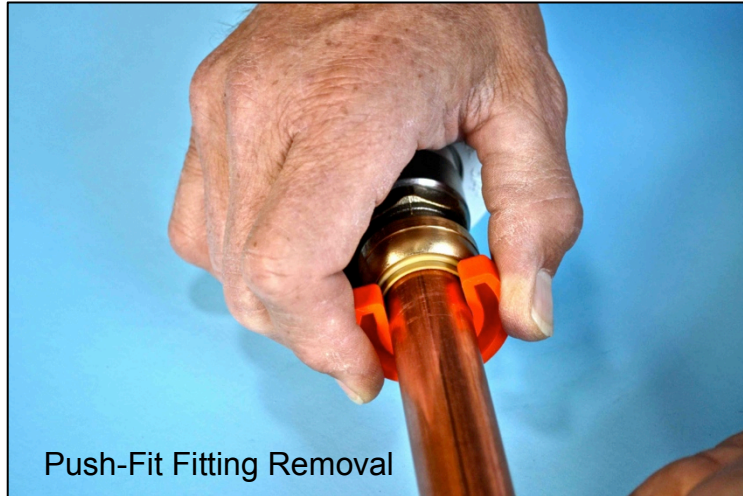
*For questions call 928-567-6466 or e-mail us at [info@naturalactiontech.com](mailto:info@naturalactiontech.com)  
[www.naturalactiontechnologies.com](http://www.naturalactiontechnologies.com)*

***Congratulations!***

***You have just installed a Natural Action Technologies™ Structured Water Unit.  
Thanks for helping maintain a green earth environment.***



## PUSH-FIT / SHARKBITE® FITTING REMOVAL



If it becomes necessary to remove your House Unit for purposes of fixing a mistake during installation, changing out the unit, or moving to a new location\*\*\*, removal is easy with a Push-fit / (SharkBite®) Removal Tool.

Purchase the Push-fit fitting / (SharkBite®) Disconnect Tool at a plumbers supply store. Check ahead of time with your supplier to make sure they stock them. The disconnect tool size must match your pipe size.

### REMOVAL INSTRUCTIONS:

1. Snap removal tool onto your pipe, flat side towards Push-fit / (SharkBite®) connector as shown above.
2. With one hand, securely hold onto the pipe. With the other hand, pull the removal tool towards the Push-fit / (SharkBite®) connector.
3. Pull the outer plastic ring into the metallic ring, releasing the connector from the water pipeline. A firm pull or tug may be necessary.

**\*\*\*** Note: When moving from your existing home to a new location, a Natural Action™ Technologies Blank Unit is available for purchase to replace your House Unit thereby keeping the pipeline system intact. The Blank Unit looks identical and connects as described herein.