HOUSE UNIT

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

IMPORTANT

All the illustrations on this instruction sheet show typical plumbing methods. Actual installations must be adapted to individual requirements and regional codes. The author has made every effort to insure accuracy and reliability of the information and instructions. However, neither the author nor the manufacturer will accept responsibility for misinterpretation of the directions or human error. The end user assumes complete and total responsibility for installation errors.

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

House Unit Fully Assembled

IMPORTANT NOTES ABOUT YOUR UNIT

1. 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)*

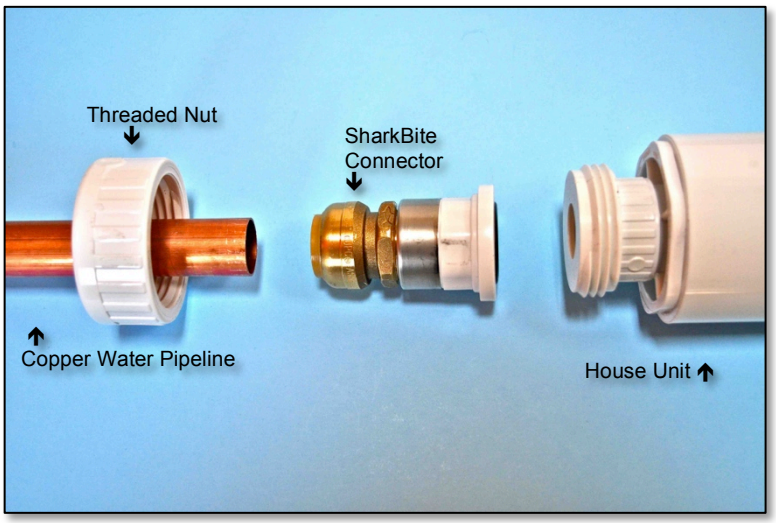
Unit Size Included: □ 1¼" □ 1" □ ¾" □ ½"

2. The unit can be mounted in any position, with the water entering in from either side.
3. Avoid leaving this unit in freezing temperatures with residual water inside, as impaired function may result.
4. Dropping unit may impair function.
5. This unit will become brittle and may become weakened or impaired if left exposed to the sun for an extended period of time.
6. If unit is buried in dirt, any brass fittings must be covered or sealed from the dirt, as nature will break down the brass.
7. Avoid installing this unit where the unit will be exposed for extended time periods to hot water above 140 degrees.
8. **Before installation, drain the hot water heater for a few minutes to flush sediment/old deposits that may have collected in your hot water tank. Failure to do so may result in sediment showing up in your drinking water.** *(Using an experienced plumber may be wise.)*

INSTALLATION TOOLS

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

INSTALLATION INSTRUCTIONS



1. Locate the valve that turns off the water source.

2. Turn it OFF.

3. Open a nearby cold water faucet. (*Cold water faucets are generally on the right side of the faucet unit.)* Leave open until water stops flowing to insure water is completely turned off and to relieve pressure. Then shut off the faucet. Turning off the faucet prevents excess air from entering water lines.

4. Your purchase includes the House Unit with attached fittings on either side. *(Adjacent picture shows one side.)*

5. 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)*

6. Measure and mark the water pipeline you will cut out, using the length obtained in Step 5.

7. Hold the unit in the place where the water pipeline is to be cut out to insure enough space is available (length and depth).

8. Cut the water pipeline with a pipe/tube cutter to the length determined in Step 5. *Note: Residual water may be present in the line.*

9. Retain and store removed water pipeline for future use as a bypass, in case the water unit is removed at a later date.

10. 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®.

11. 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.

12. 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.

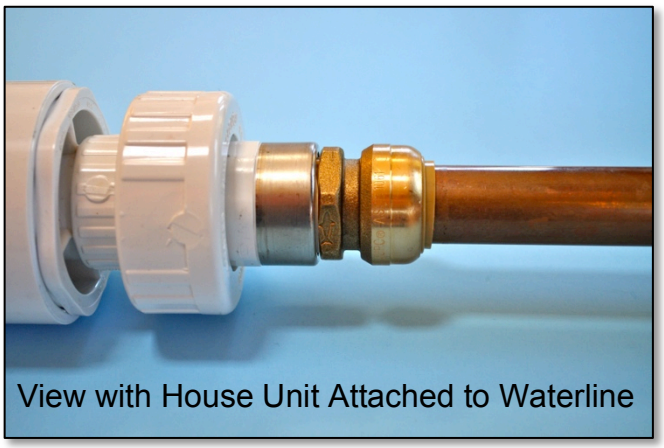
13. Push the SharkBite® fittings onto the ends of the cut pipe/tube. (Note: Fitting will grip before it seals.) Ensure that the pipe or tubing is pushed into the fitting until the end is fully seated into the internal tube stop, up to the mark made in Step 11.

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!



View with House Unit Attached to Waterline

IMPORTANT ADDITIONAL NOTES:

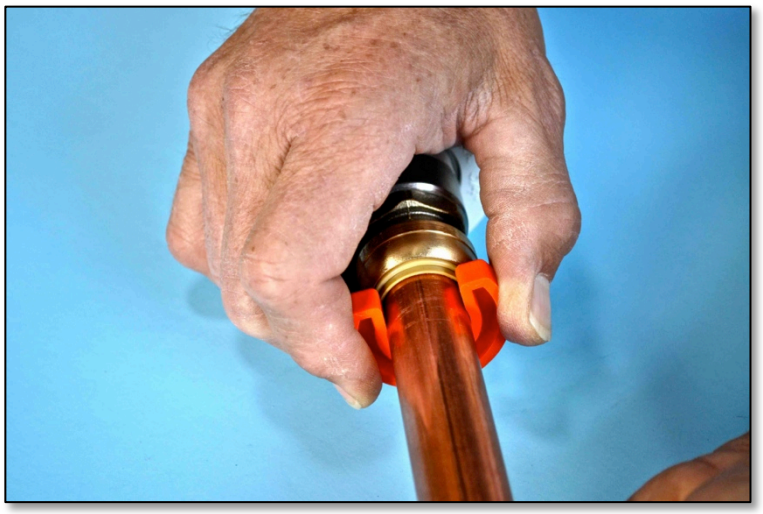
1. Structured water will clean all calcium and aggregate deposits in your water pipes, and appliances that use water. So, all existing deposits need to be flushed as much as possible. Your water may be milky or discolored until the deposits have been flushed out completely, especially in older homes.

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 cnolte@naturalactionwater.com
www.naturalactionwater.com

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

SHARKBITE® 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 SharkBite® Disconnect Tool.

Purchase the 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 SharkBite® connector as shown above.

2. With one hand, securely hold onto the pipe. With the other hand, pull the removal tool towards the 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 Water Blank Unit is available for purchase to replace your House Unit thereby keeping the pipeline system intact.