

Natural Action Technologies™

HOUSE UNIT

INSTALLATION INSTRUCTIONS for PVC Pipes

Congratulations!

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

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.

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" ¾" ½"

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. PVC Pipe Cutter
2. Gorilla Glue
3. Measuring Tape
4. Marker

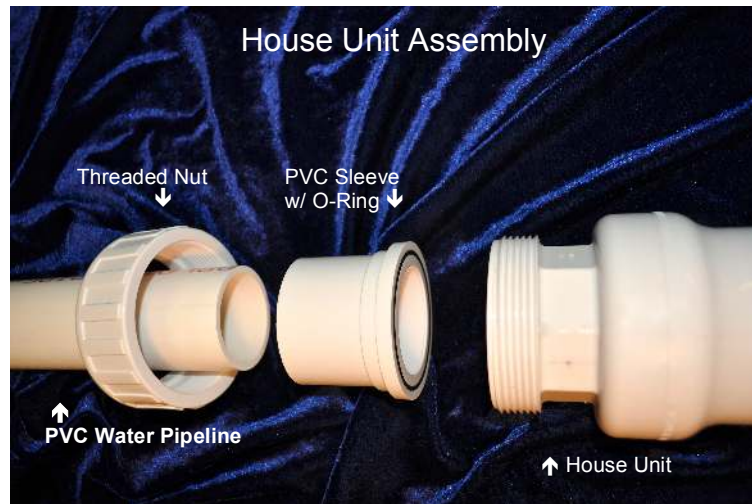


INSTALLATION INSTRUCTIONS

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 Push-fit/ SharkBite® Connectors attached. (More info at: 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. Then shut off the faucet. Turning off the faucet prevents excess air from entering water lines.



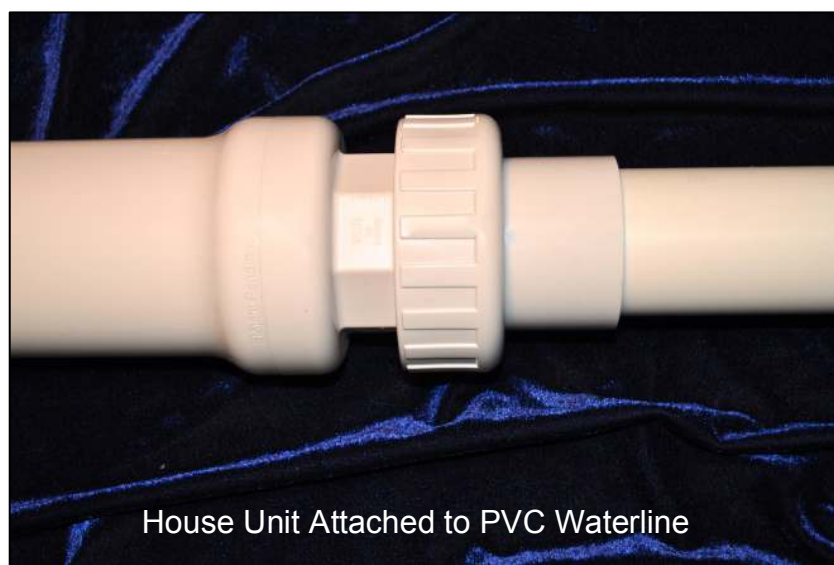
3. Your purchase includes the House Unit with attached fittings on either side. (*Above picture shows one side.*)
4. Measure the full length of the unit from end to end. Write the measurement down on paper. Now, subtract 2" inches from the written measurement. The resulting number will be the pipe length 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.
10. Examine the unions that came with your unit. Check them for any signs of damage or foreign objects.
11. Unscrew the threaded PVC nut from the left and right ends of the house unit. Two pieces will separate from the unit on each side: the threaded nut and the sleeve. Ensure the black "O" ring does not fall out of the unit on either side.

NOTE: The house unit will leak if either of the black "O" rings are missing!

12. Separate the threaded PVC nut from the sleeve.

13. Slide the threaded PVC nut (unthreaded side first) onto the water pipeline (about 6-8 inches). This will be just enough to keep the nut out of the way of where you will be gluing the PVC sleeve to the water pipeline.
14. Apply PVC glue (*Gorilla Glue from Ace Hardware is the one we like*) to the outside of your water pipeline (approx. 1-1/2 inches). Use 2 revolutions of glue around the pipe with the glue applicator to be sure the glue spreads evenly.
15. Next, apply PVC glue to the inside of the union sleeve. Use 2 revolutions of the glue around the inside of the sleeve with the applicator to be sure the glue spreads evenly.
16. Push the union sleeve onto the PVC pipe, using a rotating motion. Be sure the sleeve is pushed all the way onto the pipe, holding it in place a few seconds to prevent pushback. Glue should be dry in 1 minute.
17. **Repeat steps 12 -16** to prepare the other side of the PVC pipeline and union sleeve to receive the unit.
18. Place the house unit between the freshly glued union sleeves.
19. Now, slid the PVC nuts up to the unit and **hand-tighten** the threaded nuts of the unions onto the threaded ends of the house unit one side at a time. Tighten firmly.
20. Turn on the water supply line.
21. Check for leaks in the system.
22. 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.

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.**

Thanks for helping maintain a green earth environment.

*For questions call 928-567-6466 or e-mail us at info@naturalactiontech.com
www.naturalactiontechnologies.com*