



# Natural Action Technologies™

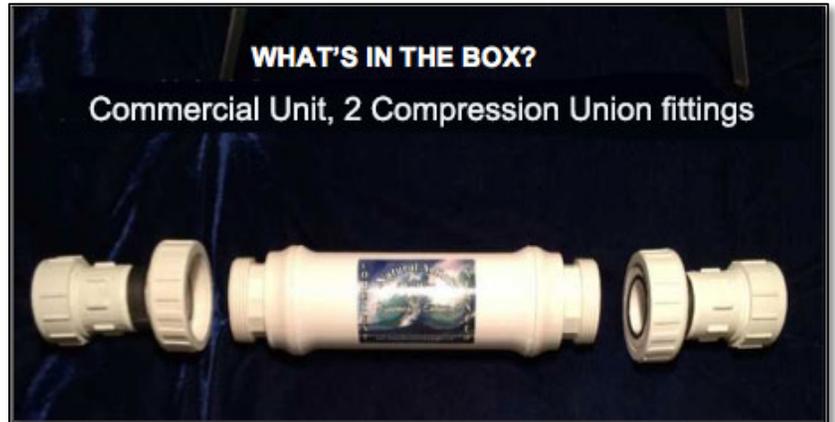
## COMMERCIAL UNIT

### INSTALLATION INSTRUCTIONS for GALVANIZED PIPES

#### ***Congratulations!***

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

The Galvanized Commercial Unit structures water for industrial-sized jobs for swimming pools or ranches where galvanized or PVC pipes are in place. This curiously large unit is there for those buildings that retain the wonders of galvanized pipe. Take your time, get it right, and savor the end result of this classic installation process!



#### **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:** 7 lbs., oz.

**Dimensions:**

28" L,

4.5" Diameter

**Volume:** 56 oz.

**Housing:** ABS

**Flow Form:** HDPE

Original  
Dynamically  
Enhanced

Unit Size:

1-1/4"

1-1/2"

2"

#### **IMPORTANT NOTES ABOUT YOUR UNIT**

1. The unit may be installed easily on galvanized or PVC water pipeline using the compression fittings included.
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. This unit will become brittle and may become weakened or impaired if left exposed to the sun for an extended period of time.

5. **Warranty:** This unit comes with Lifetime Warranty against manufacturer defects. Misuse of the unit is not covered.
6. Be sure that it is below frost line as the local weather demands. Cover with several wraps of duct tape or other weatherproof wrap.

## INSTALLATION TOOLS

1. Hack Saw or Sawzall
2. Measuring Tape
3. Marker



Installation Tools

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

**Before installation, drain the hot water heater, if one exists in system, 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 create cloudiness to your water until all the sediment is dissolved.**

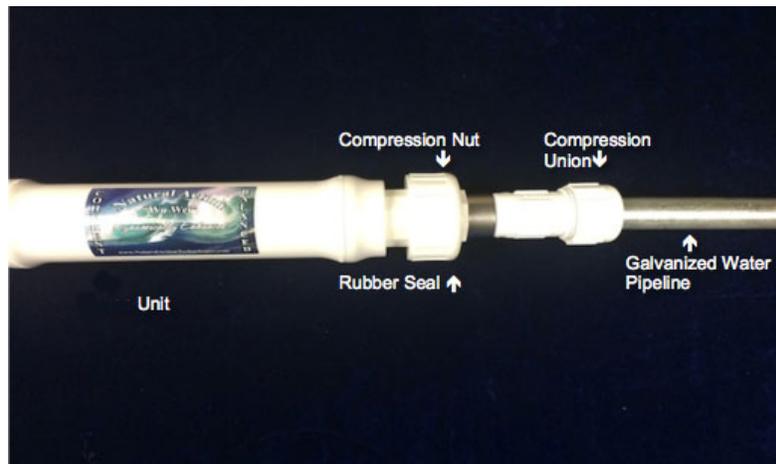
**After installation, tap water may exhibit discoloration temporarily as sediment is flushed from the system.**

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

### *Installation Notes:*

- Know where the main water shut off is located before starting.
- If you are in question or doubt of installing this unit on your own, WE STRONGLY RECOMMEND INSTALLATION BY A LICENSED PLUMBER.
- The unit can be mounted in any position, with the water entering in from either end.

## 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 hacksaw or sawzall (easier) 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.
11. Examine the unions that came with your unit. Check for any signs of damage or foreign objects.

12. Slide the compression nuts down the pipe line about 5" - 6" with threaded ends facing the cut off pipe. These will be screwed in later.
13. Moisten the inside of the rubber seal with water or saliva and push it onto the end of the cut pipe. (You may use the flat end of the compression union to push the rubber seal on evenly.) Push the rubber seal 2" to 4" away from the cut end of the pipe. (This can be adjusted later as long as it is within that range.)
14. Slide the longest part of the union onto each end of the pipe and lightly screw it into the nut.
15. Place the house unit between the compression unions. Slide the union up to the unit. Hand tighten the unions one at a time. (Do not over tighten.) When all pieces are screwed together, hand tighten all 4 nuts.
16. Turn on the water supply line to the house. Check for leaks in the system.
17. 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.

**Congratulations! 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.**

[www.naturalactiontechnologies.com](http://www.naturalactiontechnologies.com)

*Thanks for helping maintain a green earth environment.  
For questions call 928-567-6466 or e-mail us at [info@naturalactiontech.com](mailto:info@naturalactiontech.com)*