

EASYWATER®



No Salt Water Conditioning Systems

— Installation Guide and Owner's Manual —



*PATENT PENDING

1(888)-7-NO-SALT | www.EasyWater.com

Installation Tips

Contents

- 1 Control Panel
- 1 Spool of Signal Wire
- 2 Mounting Screws & Drywall Inserts
- 2 Wire Clips
- 3 Wire Ties

Tools you will need

- Phillips Head Screwdriver
- Pliers
- Wire Cutters or Scissors
- Tape Measure
- Marker

BEFORE YOU BEGIN INSTALLING

Pipe

EasyWater can be installed on a vertical or horizontal, copper, PVC or PEX pipe.

Finding Your Main Cold Water Pipe

The water shutoff valve is on the main cold water pipe. Install the EasyWater system on this pipe as close to where it comes into the house as possible. This will ensure that the outside spigots and kitchen are being treated.

If You Cannot Access Cold Water Pipe Before it Splits

Follow the main cold water pipe back as far as possible from the water heater and install the EasyWater system there. By doing this not all of the homes water may be treated, in some cases only the hot water will be treated. The hot water is the most important water to treat.

Well Installation

For customers on a private well, the best place to install the EasyWater system is after the well's pressure tank. If that is not possible, the EasyWater system can be installed prior to the pressure tank.

Softener Loop

The EasyWater system can be installed on a softener loop. Installing on a softener loop gives treatment to all the water that a softener would treat. Water to the kitchen faucet and outside spigots may not be treated when EasyWater is installed this way.

Installing with other Water Treatment Equipment

In order to protect your other water treatment equipment, EasyWater should be installed prior to any other equipment.

Outside Installation

The control panel on all EasyWater units is weather resistant and can be installed outside. If the system must be installed outside or the wrap must be buried, both the wrap and the wire clips must be covered with electrical tape to protect them from the elements.

WHEN INSTALLING

Find the Pipe Size

To find the size of the pipe that will be wrapped, place a ruler in front of the pipe and measure the outside diameter. Use table 1 to determine the size of the pipe.



Copper		PVC or PEX	
Outside Diameter	Size	Outside Diameter	Size
5/8	½	.84	½
7/8	¾	1.05	¾
1 1/8	1	1.315	1
1 3/8	1 ¼	1.660	1 ¼
1 5/8	1 ½	1.900	1 ½
2 1/8	2	2.375	2

Table 1

A Tight Wrap is VERY Important

It is extremely important to the effectiveness of your EasyWater system that the signal wire be wrapped correctly. If there are any gaps between the wraps, EasyWater will not work to its full capacity. The following photos are an example of a good wrap and a bad wrap on copper piping.

GOOD WRAP



BAD WRAP



Wrapping a Bend or Elbow

The best place to install EasyWater is on a straight section of pipe. On occasion, this is not possible and an elbow may be in the way. Instead bridge the elbow as shown in the photo (right). To do this, wrap right up to the elbow, stretching the wire over the elbow and continuing to wrap on the other side of the elbow.



Installation Instructions

PVC or PEX Pipe

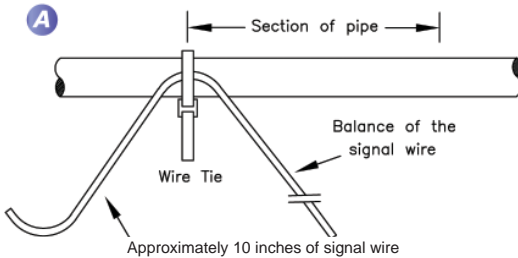
Location of System

Signal wire should be wrapped around the main cold water pipe before the line splits off. The EasyWater 1100 has a 7 foot connecting cable and a 7 foot power cord. The EasyWater 2200 has a 15 foot connecting cable and a 7 foot power cord. Access to a standard 110v outlet is required. An extension cord may be used if necessary.

Determine the Pipe Size To confirm your homes pipe size, see Table 1 on page 3.

Wrapping the Signal Wire

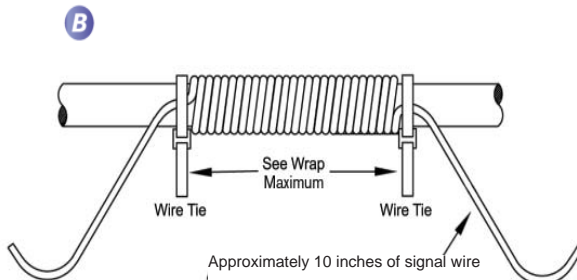
1. Locate the appropriate length of your main cold water pipe according to the table and wipe it clean.
2. Measure and mark the exact wrap length necessary on the pipe with a marker.
3. Lay the signal wire at one end of the measured section of pipe, parallel to the pipe. Wrap a wire tie around the pipe and wire leaving 10 inches of wire sticking out. Pull the wire tie tight. (Figure A)



1100 Wrap Maximum PVC or PEX Pipe	
Pipe size	Wrap Layers
½"	Single wrap 13"
¾"	Single wrap 11"
1"	Single wrap 9"

2200 Wrap Maximum PVC or PEX Pipe	
Pipe size	Wrap Layers
½"	Single wrap 18"
¾"	Single wrap 15"
1"	Single wrap 11"
1 ¼"	Single wrap 7"

4. Wrap the signal wire tightly around the pipe with each wrap touching the previous. Continue to wrap to the marked length.
5. Wrap a wire tie around the pipe and the wire and pull the wire tie tight. (Figure B) **Do not wrap more than the amount specified.** Cut off all but 10 inches of remaining signal wire and dispose of the extra.



Installation Instructions

Copper Pipe

Location of System

Signal wire should be wrapped around the main cold water pipe before the line splits off. The EasyWater 1100 has a 7 foot connecting cable and a 7 foot power cord. The EasyWater 2200 has a 15 foot connecting cable and a 7 foot power cord. Access to a standard 110v outlet is required. An extension cord may be used if necessary.

Determine the Pipe Size

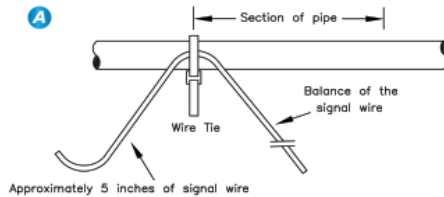
To confirm your homes pipe size, see Table 1 on page 3.

1100 Wrap Maximum Copper Pipe	
Pipe size	Wrap Layers
½"	Double wrap 14"
¾"	Double wrap 11"
1"	Double wrap 9"

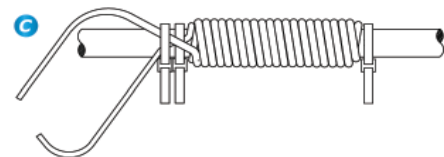
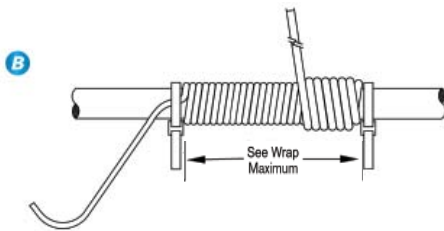
2200 Wrap Maximum Copper Pipe	
Pipe size	Wrap Layers
½"	Double wrap 18"
¾"	Double wrap 16"
1"	Double wrap 13"
1 ¼"	Double wrap 11"

Wrapping the Signal Wire

1. Locate the appropriate length of your main cold water pipe according to the table and wipe it clean.
2. Measure and mark the exact wrap length necessary on the pipe with a marker.
3. Lay the signal wire at one end of the measured section of pipe, parallel to the pipe. Wrap a wire tie around the pipe and wire leaving 5 inches of wire sticking out. Pull the wire tie tight. (Figure A)



4. Wrap the signal wire tightly around the pipe with each wrap touching the previous. Continue to wrap to the marked length.
5. Wrap a second wire tie around the pipe and wire at the end of the first layer of wrap. Pull the wire tie tight. Wrap over the top of first layer continuing in the same wrapping direction as the first layer (clockwise or counterclockwise). The second layer must be tight and touching the prior wrap. (Figure B)
6. Wrap a third wire tie around the pipe and both wires. Pull the wire tie tight. **Do not wrap more than the amount specified.** Cut off all but 5 inches of the remaining wire and dispose of the extra. (Figure C)



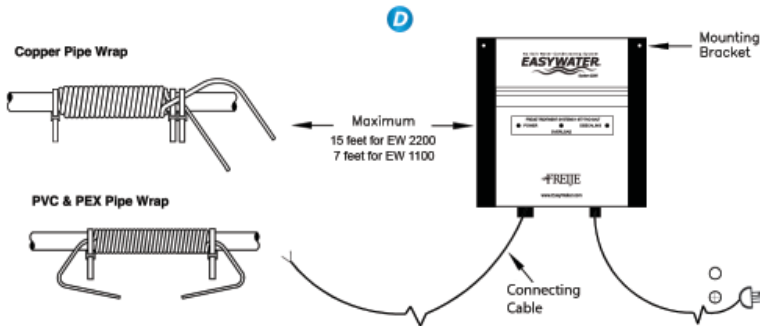
Installation Instructions Continued

Mounting The Control Panel

The control panel on all EasyWater units is weather resistant and can be installed inside or outside. The control panel should be mounted in a position that allows easy visibility of the control panel lights so you can periodically check the system.

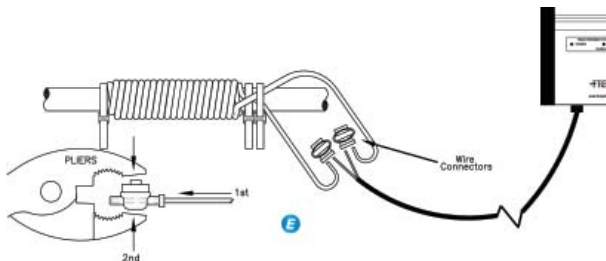
1. Drill holes if necessary into the wall or other mounting surface.
2. Insert the 2 screws into the bracket holes at the top of the control panel and tighten.

THE CONTROL PANEL MUST BE MOUNTED WITHIN THE SPECIFIED LENGTH FROM WHERE THE SIGNAL WIRE IS WRAPPED AROUND THE PIPE (See Figure D). **DO NOT CUT THE CONNECTING CABLE.** If there is excess cable, simply coil it and secure with a wire tie. If after the control panel is mounted, the panel plug will not reach a standard 110v outlet, an extension cord will be required.

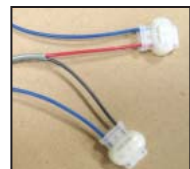


Joining The Control Panel To The Signal Wire

1. Insert one wire from the control panel and one wire from the signal wire into each outside slot in a wire clip (leave the center slot empty). **Do not strip the wires before inserting into the clip.** Be certain that the wires are inserted to the back of the wire clip before squeezing closed with pliers. Squeeze down tightly to ensure a connection is made. Repeat for the other end of the signal and control panel wire. (Figure E). Wire nuts may be used instead of the wire clips to make the connection. Wire nuts are not provided.
2. Plug the control panel into a standard 110v outlet. If the power and descaling lights come on, the system is operating properly.



Each wire clip will have three slots, use the two outside slots.



Troubleshooting

Maintenance

EasyWater units do not require any maintenance. As long as the power and descaling lights are on, the system is working. If the power and descaling lights do not remain on or if the overload light is on, see the Installation Trouble Shooting section below.

Installation Troubleshooting

I plugged my unit in and no lights came on.

1. Confirm the electrical outlet has power.
2. Call 888.766.7258 for assistance from a customer service representative.

My power and overload lights are on, but not the descaling light.

When the power light and overload lights are on but the descaling light is off, this is generally a sign that a good connection has not been made from the signal wire to the control panel wires.

1. Make certain the signal and control panel wires are connected properly.
2. Confirm the wires are pushed all the way to the back of the 3M clip.
3. Using pliers, squeeze the wire connectors firmly to be certain they are closed.
4. Call 888.766.7258 for assistance from a customer service representative.

All three of the lights (power, descaling and overload) are on or blinking.

Don't worry, an overload light does not mean that the unit is going to overheat. The overload light should not be on once the connections have been made and the system is plugged in.

1. Confirm that a PVC or PEX pipe has a single wrap. **(Do not double wrap PVC or PEX pipe).**
2. Confirm the pipe size was identified correctly and the the correct length of signal wire was wrapped.
3. Call 888.766.7258 for assistance from a customer service representative.

Dishwasher Tips

If you have not been using a water softener your dishwashing detergent amount will probably need to be reduced or you could see soap spots on your dishes. If you were previously softening your water, do not reduce the amount of detergent you use.

FREIJE recommends one tablespoon of **granular** Cascade Complete for best results with our system. If your water is hard enough that spots or cloudiness become a problem, use one tablespoon of Lemi Shine along with one tablespoon of Cascade Complete (Granular). Lemi Shine can be purchased at local grocery and superstores. The combination of EasyWater, Lemishine and Granular Cascade Complete will reduce or eliminate spots or cloudiness on your dishes.

Laundry Tips

As with your dishwasher detergent, if you have not been using a water softener, you will probably need to reduce the amount of laundry detergent you were using or your clothes will still have soap residue after the wash cycle is complete.

If you were previously softening your water, do not reduce the amount of laundry detergent you use.

Satisfaction Guarantee Limited Warranty

90-Day Satisfaction Guarantee

FREIJE Treatment Systems, the manufacturer of EasyWater, is committed to complete customer satisfaction. That is why we offer a 90-Day money back guarantee on all EasyWater systems. If within 90 days from the date of purchase, you are unsatisfied for any reason you may return your EasyWater system for a full refund. To return the system, you are **required** to obtain a Return Merchandise Authorization (RMA) number by calling our customer service department toll free at 1.888.766.7258. FREIJE Treatment Systems will promptly process your request.

Any products without an RMA number will not be accepted.

Limited 3 Year Warranty Statement

LIMITED WARRANTY – FREIJE TREATMENT SYSTEMS will repair or replace (at the company’s discretion), without charge, any part of our treatment system which is proven defective under normal use within three (3) years from the date of purchase.

This warranty does not cover any failures due to accident, abuse, misuse, alteration, misapplication, acts of God, improper installation or for any other causes other than defects in materials or workmanship.

In order to obtain service under this warranty, it is the responsibility of the purchaser to promptly notify FREIJE Treatment Systems of the nature of any failure or issue, by phone at 1.888.766.7258.

FREIJE Treatment Systems will not be liable for any special, incidental, indirect or consequential damages resulting from the use of its products or any incidental costs of removing or replacing defective products.



FREIJE Treatment Systems is committed to the preservation and the quality of the Earth’s most precious resource, our water. EasyWater systems benefit the environment as well as the health of our customers.