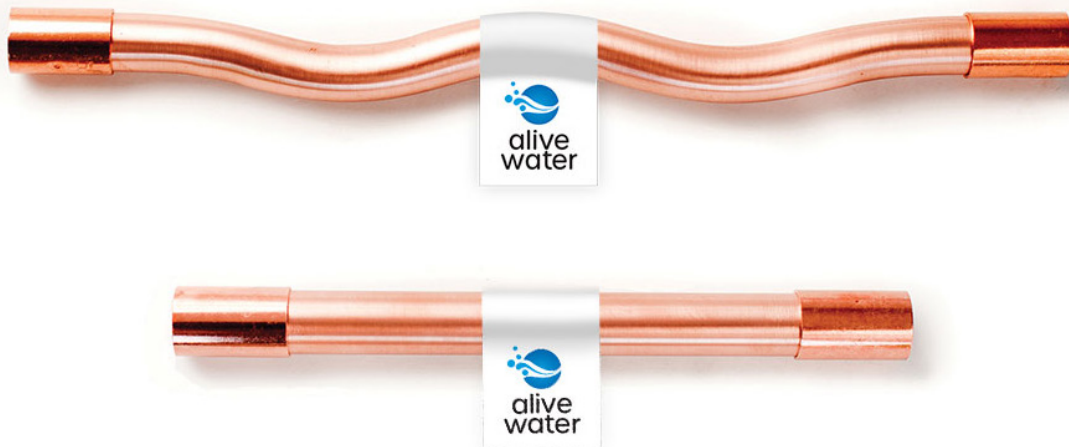


Vortex Water Revitalizer Whole House Installation



We highly recommend hiring a plumber to install any of the Whole House Vortex Water Revitalizers.

Instructions apply to:

Standard Vortex Water Revitalizer & River of Life Vortex Water Revitalizer

Please Note: Always install your Whole House Vortex Water Revitalizer AFTER any other type of whole house water treatment system like a filter, reverse osmosis system or water softener etc.

Copper Vortex Water Revitalizer should be used for copper and PVC pipes, stainless steel Vortex Water Revitalizes can be used for iron or stainless steel pipes. Install the Vortex Water Revitalizer on your main water line before the pipe splits into hot and cold. For optimal results, install so the water can run straight for one or two feet after the Vortex Water Revitalizer. If this is not possible, install as far as possible from the nearest bend in the pipe system.

Caution! Be sure to shut off water to both sides of the hot water tank. DO NOT cut any closer than 6 inches from the main shut off, cut pipe down stream or to the house side of the main shut off.

Installation using Compression Fittings:

For those who do not wish to solder the Vortex Water Revitalizer into place, installation using compression fittings is the best alternative. Compression fittings can be purchased from any hardware store, ensure that the compression fittings are the same diameter as your Vortex Water Revitalizer and your pipe.

1. Cut out a piece of pipe, just slightly longer than the length of the Vortex Water Revitalizer.
2. Put the Vortex Water Revitalizer into place using the compression fittings.
3. Tighten the nuts. This type of installation works perfectly and can take as little as 10 minutes to install.

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Soldering Installation:

Supplies Needed:

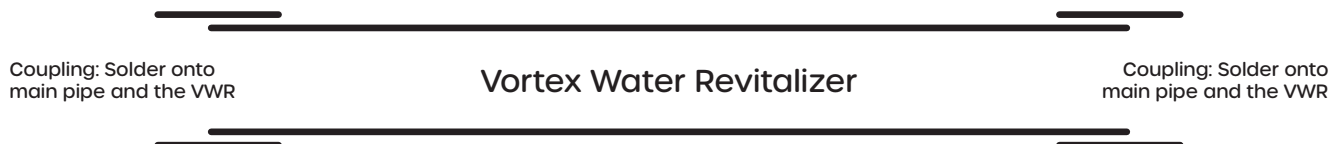
- No-lead solder (for domestic water lines)
- 00 Steel wool or Scotch green scrub pad
- Solder flux can
- Torch for soldering
- Miniature pipe cutter (Do not use a hack saw)

Copper Pipe Installation

1. Remove copper couplings from both ends of the Vortex Water Revitalizer. Using steel wool or a scrub pad, clean about one and a half inches at each end of the Vortex Water Revitalizer until clean and free of the protective finish. Clean the inside of both ends of the couplings as well.
2. Cut a section of pipe out of the existing water line, 1/8" longer than the Vortex Water Revitalizer.
3. If your shut-off has a bleed screw on the side of it, open the bleed screw (once the water is off) and drain into a pail. Once you start to bleed the pipes, open all the taps in your house, flush the toilets and drain the outside hose taps. This will ensure that no water will flow into your new solder joint while soldering. If your shut-off does not have a bleed screw and cutting is the only way to bleed the lines, then all water that may be in the lines from the shut-off to the solder joint must be removed. Push a cloth a few inches into the pipe to absorb any remaining water.

4. Once the water has drained out of the lines and the pipe is cut, clean both exposed ends of pipe with the scrub pad or steel wool. If the pipes are strapped down, remove the straps for ease of assembly, before soldering.
5. The couplings have a small dimple inside which centers the coupling between the pipes to be soldered. If the pipes are rigid and cannot be moved, this dimple must be filed out without damaging the inside of the pipe. A small round file will work well. Once done, the coupling will slide completely over the pipe to allow for installation.
6. When all pipes and couplings are clean, flux must be applied to all metal surfaces to be soldered. When this has been done, assemble the Vortex Water Revitalizer and couplings, making sure couplings are centered on joint.
7. Soldering - Vertical and horizontal pipe settings
Put the flame of the torch in the center of the coupling while running the end of the solder along the edge of the coupling. When solder melts, it will be drawn into the coupling. Run solder around the entire edge of the coupling. Repeat on the other side and then remove heat. Run solder once more over the first side soldered, let cool for 2 minutes and repeat procedure on the other coupling. Do not bump the hot solder until the joint is cool. **Do not over heat; use only enough heat to draw in solder!**

Once soldering is complete, let cool for 5 minutes and turn main water on a quarter of the way. Let water run for 1 minute and close all taps in the house, check for leaks. If no leaks are found, turn water on fully and open hot water tank shut-offs.



Plastic Pipe Installation

If installing the Vortex Water Revitalizer onto plastic piping, you may purchase the adapter needed along with crimps and a rental tool for crimping from your local hardware store. Bring a sample of your pipe and the couplings provided in your order to purchase the appropriate adapter.

Be sure to use flux on all parts to be soldered. Solder couplings and adapters to the Vortex Water Revitalizer one end at a time allowing for a minute of cooling before proceeding to the other end.

Once soldered and cool, fit into place, cutting plastic pipe where required. Make sure to put crimps over the plastic pipe before putting the Vortex Water Revitalizer into place. Crimp and follow procedure found above in reference to turning your water back on.

Please Note: Run water from all taps throughout your home for 30 minutes to remove flux from your newly soldered lines and to flush your system of the old, non-revitalized water. Revitalized Water may clean pipes of existing build up over time. Some customers have noted significant amounts of build up exiting their taps some time after installation of the Vortex Water Revitalizer, if build up starts coming out of taps be sure to remove any screens on your taps and let the build up flush out of your pipe system.



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