

WaterBrake™

Wireless Foot-operated Stop Valve

Owner's Manual

24Oct2023



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Important Requirements

A WaterBrake installation has these requirements:

- **MAXIMUM WATER PRESSURE is 75 psi**

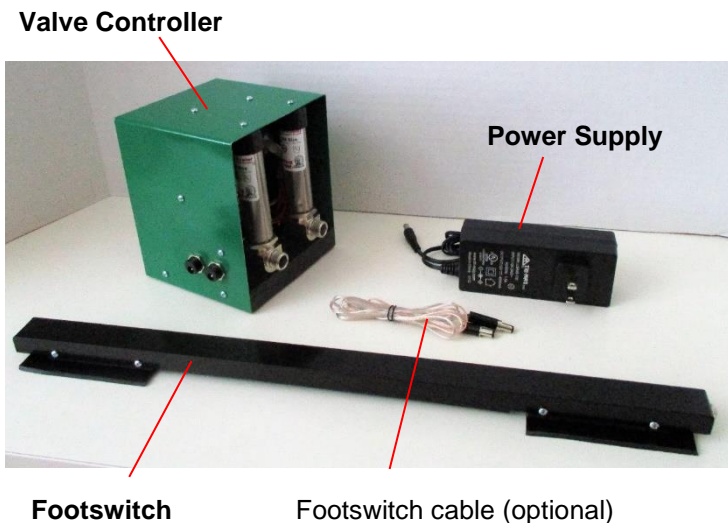
The WaterBrake will not function properly if water pressure is above 75 psi.

- **Electric Power.** The WaterBrake power supply must be plugged into a standard household outlet. (110-120 VAC)

System Components

The WaterBrake system has 4 components:

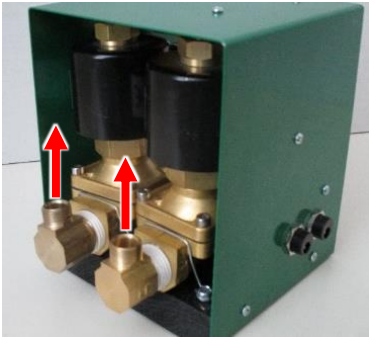
- Valve Controller Unit
 - Wireless Footswitch
 - Power Supply
 - Footswitch Cable (optional)
- *Also included is a pair of braided flexible hoses with 3/8" compression fittings. (Not shown)*



Installation

Installation consists of inserting the Valve Controller unit into the hot and cold supply lines under the sink. This is done using braided flexible hoses with 3/8" compression fittings.

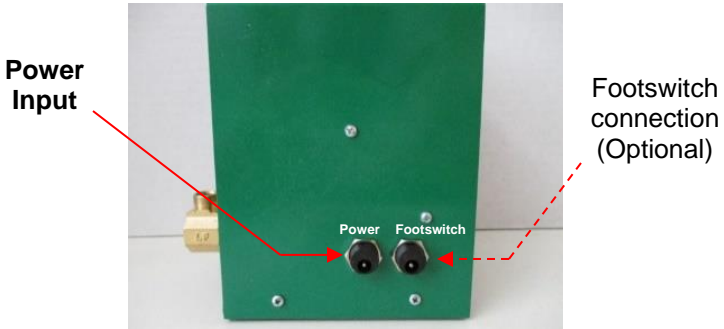
The Valve Controller has two inlet ports, and two outlet ports. These are straight pass-through ports so it doesn't matter which side is hot and cold.



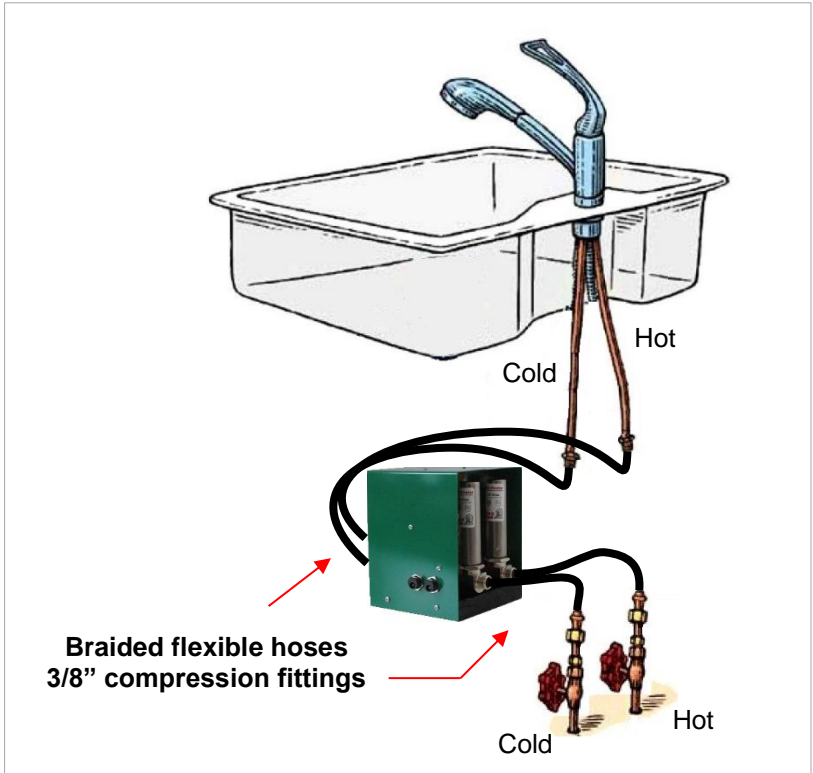
Water Outlets



Water Inlets



Valve Controller under sink installation



Power Connection

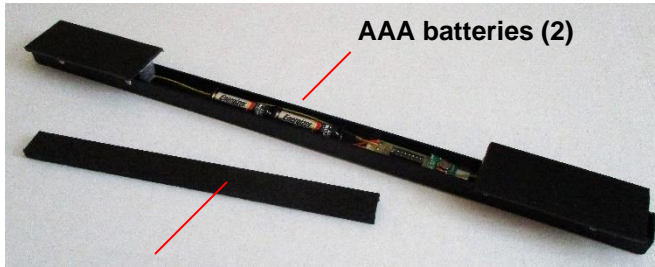
Plug the power adapter into the wall outlet under the sink. Be sure the adapter is *NOT* plugged into the switched outlet used by the garbage disposal. If needed, unplug the dishwasher, plug in a 3-way outlet tap, and use that to plug in both the dishwasher and the WaterBrake. Then plug the power cable into the Valve Controller power jack.

Potential Installation issues

Occasionally the shutoff valves can be difficult to turn, or they may not close completely. In that case you can circumvent this by shutting off the water supply to the house.

Footswitch

The Footswitch requires two AAA batteries for wireless operation. To access, remove the plastic cover from the bottom of the Footswitch:

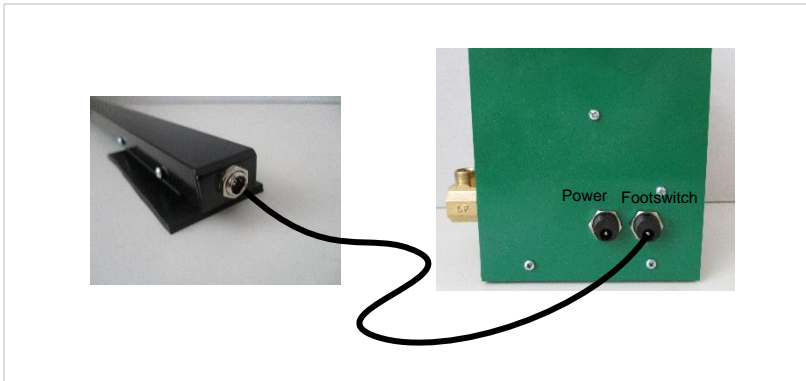


Plastic cover

Optional Footswitch direct connection

To save on batteries you can connect the Footswitch directly to the Valve Controller unit with the optional cable.

Note: The WaterBrake will respond more quickly using the direct connection.



Using your WaterBrake

Continue to use your sink normally. The WaterBrake is designed to pause (stop) the water flow when you step on the switch. You only need to use it when you want to

conserve water – it will not affect how you use your sink or the flow of water in any other way.

Troubleshooting

Every effort has been made to make this a reliable device. If you encounter any problems, please check these items:

Some problems and solutions:

- **Unit doesn't work**

1. Make sure the **Base Unit** under the sink **is plugged in** to the wall power. (**Check this first!**)
2. Check the batteries; they might need changing or just be loose.

- **Operation seems very intermittent and flaky.**

This may be the wireless connection. Try connecting the footswitch directly with optional cable.

- **One valve closes, but the other remains open.** (e.g.: Cold stops but Hot stays on!)

This is called a “stall”. The only cure for stalling is to take your foot off the switch and press it again.

- **Valve seems slow to close or “locks up” (won't release) after footswitch is released.**

These are symptoms of high water pressure. The WaterBrake works best with **75 psi or less**. Pressure above this level will cause faulty operation.