

## Installation and Operating Instructions

### WaterQuick Tankless - Hot Water Circulation Pump



**WaterQuick Tankless**  
with built-in Pump Manager



#### Step 1. Choose the appropriate place to install the pump and Flow Monitor:

**WaterQuick Tankless** can be installed in several different configurations. The circulation pump and **Flow Monitor** can be mounted in either the cold water supply line to the water heater or in the hot water line going out of the water heater into the house.

**Note:** It is important that you take into consideration how the pump will be supported and where there is access to an electrical outlet.

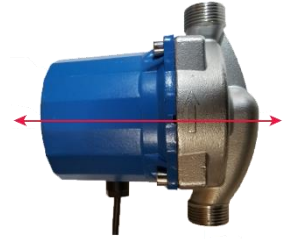
#### *Cold Water Line:*

If you install the circulation pump and **Flow Monitor** in the cold-water line it must be located on the pipe that is the sole supply of water for the tankless heater. If it supplies water to any other fixture it will lead to false activation of the pumping system.

#### *Hot Water Line:*

The pump and **Flow Monitor** can be installed in the hot water line that comes out of the water heater and goes into the house. It does not need to be located next to the water heater, but it needs to be located before the first hot water lateral.

The volute of the pump (silver part) can be installed in either a vertical or horizontal orientation. However, the can (green part) must be installed in a horizontal orientation.



The orientation of the pump can be changed by unscrewing the 4 hex head bolts (circled in picture below) that hold the can and volute together and rotating the can as necessary. The black electrical box with the 3 speed toggle switch does not need to be on top.



### Pump Orientation

#### Step 2. Turn off water heater:

Turn off the water heater.

#### Step 3. Turn off water:

Turn off the cold water supply line to the water heater.

#### Step 4. Drain the hot water lines:

Remove the caps on the water drain valves and turn the valves to allow water to drain from the water heater.

**Note:** If water continues to flow, check to make sure that the water has been completely turned off. If the valve does not shut off the water flow completely turn off the valve supplying water to the house or at the water meter.

#### Step 5. Cut the appropriate cold or hot water line and install pump and Flow Monitor:

Install pump and **Flow Monitor** into the water line using the appropriate fittings. We suggest using at least one union for ease of assembly.

**Note:** Make sure the arrows on the pump and **Flow Monitor** are pointed in the direction of water flow.

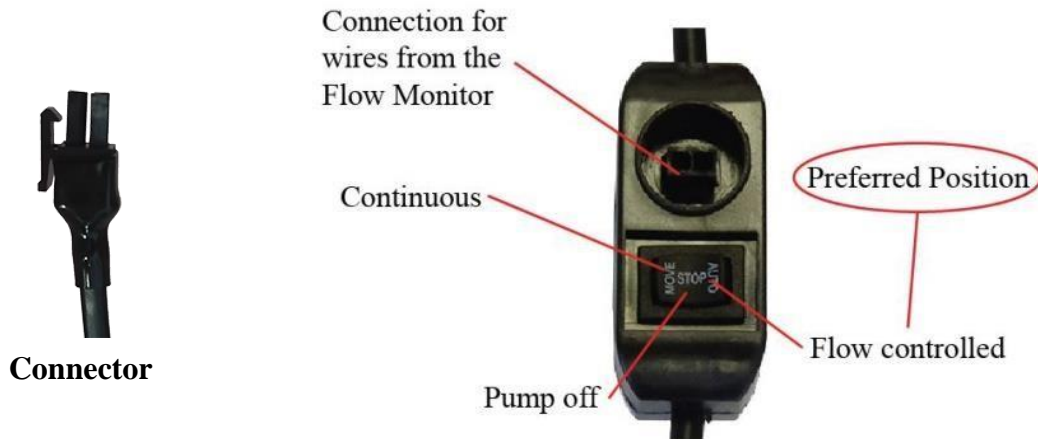
**Step 6. Turn on water:**

Once all of your connections are complete, replace caps on water drain valves and turn water back on. Check for leaks. Repair as necessary.

**Step 7. Connect the pump and the Flow Monitor:**

There are 2 switches that control the speed of the pump and how it works. The first switch is a rocker switch located in the pump power cord and contains the connection box that the **Flow Monitor** wire connects into. It has 3 positions – *Move*, *Off* and *Auto*.

Connect the wire from the **Flow Monitor** to the connector in the electrical wire from the pump. The small clip on the side of the connector goes on the Move side. Snap the switch into the **Auto** position.



The second switch is the red switch on the pump. It controls the speed of the pump and has 3 settings – 1 (low), 2 (medium) and 3 (high). Set pump to run on 3 (high).



**Step 8. Plug the pump in:**

Set pump toggle switch to the **3** setting for the highest speed.

**Step 9. Plug the pump in:**

Plug the pump into a properly grounded 110 vAC outlet.

**Step 10. Test pump operation:**

Turn on any hot water faucet in the house to start the pump. Turn off the faucet to stop the pump (assuming that the **Bridge Valve** has not been installed yet).

**Note:** If the **Bridge Valve** has been installed the pump will continue to run until 95°F water reaches the sink where the **Bridge Valve** is installed. The temperature sensor in the **Bridge Valve** will shut off and the water will stop flowing (unless a hot water faucet is open).

## **Advanced Bridge Valve Installation**

**Location:**

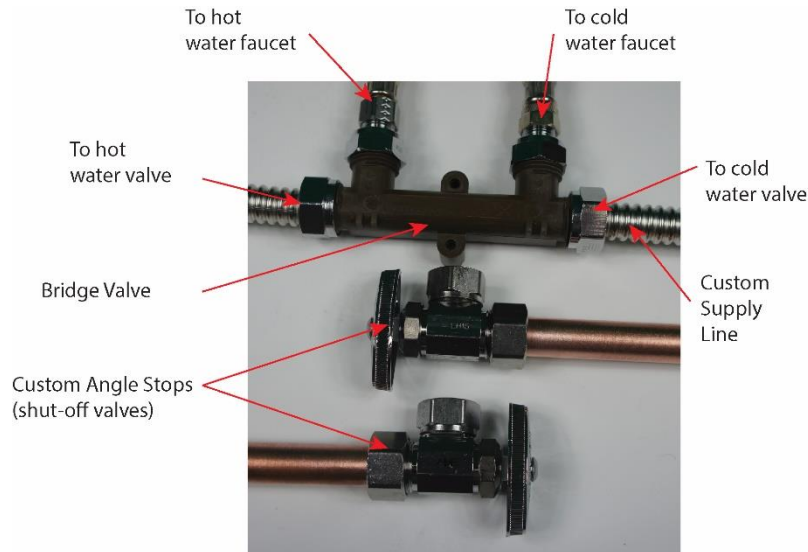
The *Advanced Bridge Valve* should be installed under the kitchen or bathroom sink that is the farthest fixture from the water heater. Branched plumbing systems will need an *Advanced Bridge Valve* at the end of each line. Additional *Advanced Bridge Valves* are available at [www.FasterHotWater.com](http://www.FasterHotWater.com).

**Installation:**

1. Turn off water to the house and drain the water from the pipes.
2. Turn off both the hot and cold angle stops (valves) below the sink.
3. Disconnect existing hot and cold-water supply lines from the angle stops and replace angle stops with custom angle stops (see below).
4. Attach new stainless steel advanced 1/2" x 1/2" supply lines to angle stops.

*Note:* Do not use Teflon tape or pipe dope on *Advanced Bridge Valve* connections.

5. Attach other end of advanced supply lines to the appropriate "Cold Water In" and "Hot Water In" ports of the *Advanced Bridge Valve*. Tighten finger tight plus a quarter turn with a wrench.



Advanced Bridge Valve Components

**Do not over tighten.**

6. Attach existing faucet supply lines to the appropriate "Cold Water Out" and "Hot Water Out" ports of the **Advanced Bridge Valve** (if the existing supply lines are 3/8", use the 1/2" x 3/8" adapters). Tighten finger tight plus a quarter turn with a wrench.

**Do not over tighten.**

7. Attach other end of standard supply lines to the faucet. Tighten finger tight plus a quarter turn with a wrench.

**Do not over tighten.**

8. Leave angle stops in the off position and turn the house water back on and check for leaks.
9. Open both the hot water and cold-water angle stops and check for leaks.
10. **Turn on water:** Make sure that a hot water faucet is turned on in the house and then slowly turn the water back on to the water heater. Check for leaks and repair as necessary. Leave the water running until all the air has been purged from the water pipes.


Turn off the faucet.

## Advanced Bridge Valve Operation

The following steps will determine if the **Advanced Bridge Valve** is operating correctly.

1. Close the cold-water angle stop (valve) below the sink where the **Advanced Bridge Valve** is located.
2. Open the cold-water faucet.
3. Water should flow from the faucet until warm water (95°F) reaches the **Advanced Bridge Valve**. The flow should gradually decrease until no water is coming from the faucet at which time the **Advanced Bridge Valve** has closed.

## Safety Warning

 **Warning:** Risk of electrical shock. This pump is supplied with a grounding conductor. To reduce the risk of electrical shock, be certain that it is connected only to a properly grounded grounding type receptacle. The safe operation of this pump requires that it be grounded in accordance with the national Electrical Code and local government regulations.

## Operating Instructions

To activate the **WaterQuick Tankless** hot water circulation system, simply turn on any hot water faucet in the house and quickly turn it off.

This will start the pump and within a few seconds you will have hot water everywhere in your home. The amount of time that you wait varies from home to home and is dependent on how far the sink is from the water heater, the size of your water pipes and how many turns there are in the water pipes.

## Limited Warranty

### What your warranty covers:

If any part of the **WaterQuick Tankless** *Hot Water Delivery System* is defective in workmanship, return unit after obtaining a return authorization (see below) within 36 months from original purchase, **Faster Hot Water** will repair or, at **Faster Hot Water**'s option, replace the unit.

### How to obtain Warranty Service:

For warranty service, call (619) 665-2077 for a return authorization number. Then, ship your unit to our factory, freight and insurance prepaid, with proof of date of original purchase. Please include a note stating the problem. **Faster Hot Water** will repair it, or replace it, and ship it back to you prepaid.

### What this warranty does not cover:

This warranty does not cover defects resulting from improper installation contrary to **Faster Hot Water**'s printed instructions, abuse, misuse, misapplication, improper maintenance, neglect, alteration, accidents, casualties, fire, flood, freezing, environmental factors, water pressure spikes or acts of God.

This warranty will be void if defects occur due to failure to observe the following conditions:

The **WaterQuick Tankless** *Hot Water Delivery System* must be hooked up to a potable municipal or well water supply. This warranty does not cover any equipment that is relocated from the site of its original installation. This warranty does not cover any equipment that is installed or used outside the United States of America and Canada.

### LIMITATIONS AND EXCLUSIONS:

FASTER HOT WATER WILL NOT BE RESPONSIBLE FOR ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

FASTER HOT WATER WILL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING TRAVEL EXPENSE, TELEPHONE CHARGES, LOSS OF REVENUE, LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF THE EQUIPMENT, AND DAMAGE CAUSED BY THIS EQUIPMENT AND ITS FAILURE TO FUNCTION PROPERLY.

**WaterQuick Tankless** - Hot Water Where You Want It, When You Want it!

THIS WARRANTY SETS FORTH ALL OF FHW RESPONSIBILITIES REGARDING THIS EQUIPMENT.

**YOUR RIGHTS UNDER STATE LAW:**

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights, and you may have other legal rights which vary from state to state.

**CALIFORNIA PROPOSITION 65 WARNING:**

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)