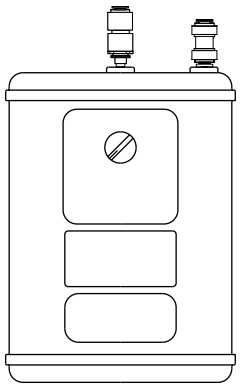
HOT TANK INSTALLATION AND OPERATING INSTRUCTIONS

Model #:
5000
4500



4500 (PRV)



5000



WATERSTONE FAUCETS

INSTALLATION GUIDE

BEFORE YOU BEGIN YOUR INSTALLATION:

1 

Turn off water supply.

2 

Observe all local plumbing codes.

3 

Inspect waste and water supplies for signs of damage. Replace as necessary.

4 

DO NOT use petroleum based products on this faucet.

REQUIRED TOOLS:



1. Adjustable Wrench



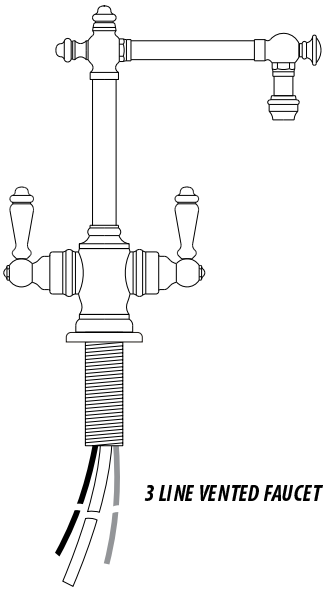
2. Phillips Screwdriver

PARTS INCLUDED:

4500 PRV	516380 5/16" TO 3/8" CONNECTOR	141400 1/4" TO 1/4" CONNECTOR

★ WARNING! ★

THE WATERSTONE #5000 HOT TANK IS DESIGNED FOR USE WITH A 3 LINE VENTED FAUCET ONLY.



3 LINE VENTED FAUCET

Connection to a non-vented faucet *WILL DAMAGE THE TANK* and void the warranty.

A kinked tank outlet tube or debris in the faucet obstructing the free flow of water from the tank will subject the tank to pressures exceeding its design limits and cause the tank to leak.

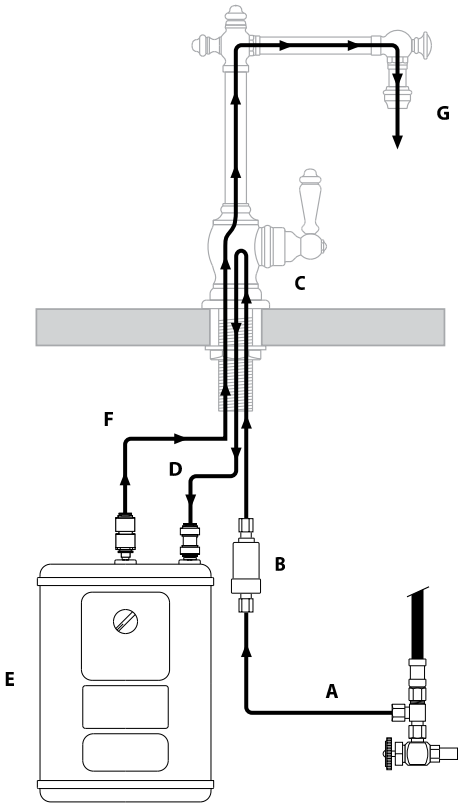
The included Pressure Regulating Valve (PRV) must be installed with this Hot Tank to prevent damage from excessive pressure and maintain the warranty.

WARNING - USE OF AN IN-LINE INSTALLATION OF A WATER CHILLER WITH A WATERSTONE FAUCET OF ANY KIND WILL VOID OUR WARRANTY.

Since 2005, Waterstone has continued to advise all of our customers against the installation of any brand of in-line water chiller unit with our faucets. Compressor style chiller units have been proven to arbitrarily exceed the standard household in line pressure ratings causing the faucet inlet connection line to burst and create the potential for water damage claims in the field.

Waterstone can not and will not be held liable for damages created by a use for which our products were not designed. Waterstone will only recommend the installation of a water chiller in the vented side (in place of a hot tank) with one of our Hot or Hot & Cold Filtration faucet models.

HOW A VENTED FAUCET WORKS



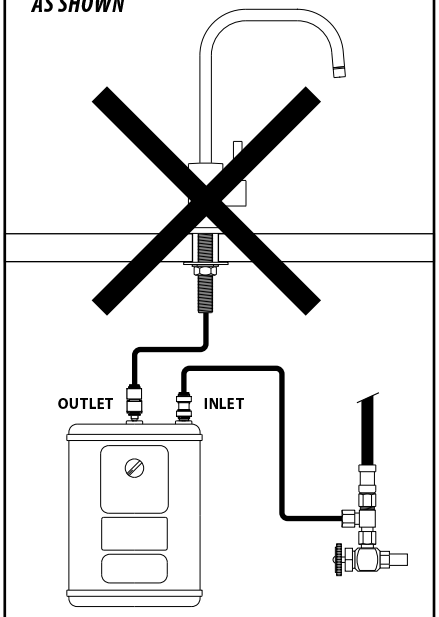
Water from the blue supply tube (A) flows through the PRV valve (B) and into the faucet base (C). Water is then diverted into the red tube (D) and into the Hot Tank (E). The entering water displaces hot water in the tank causing it to flow freely through the clear "high temp" tube (F). Hot water continues straight through the faucet and exits the spout (G).

IMPORTANT - NEVER OPERATE THE FAUCET WITH A KINKED CLEAR OUTLET TUBE

Installation of the Pressure Regulator Valve (PRV) is required to maintain your warranty

NEVER!

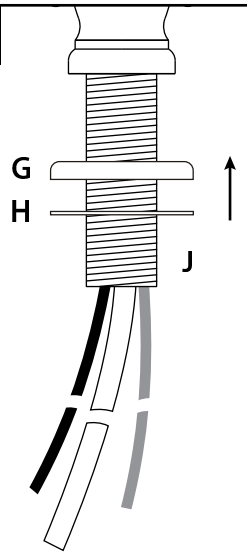
CONNECT A #5000 HOT TANK TO A FAUCET AS SHOWN



CONNECTION TO A FAUCET OTHER THAN A 3-LINE VENTED WILL VOID WARRANTY AND CAUSE INTERNAL DAMAGE TO TANK

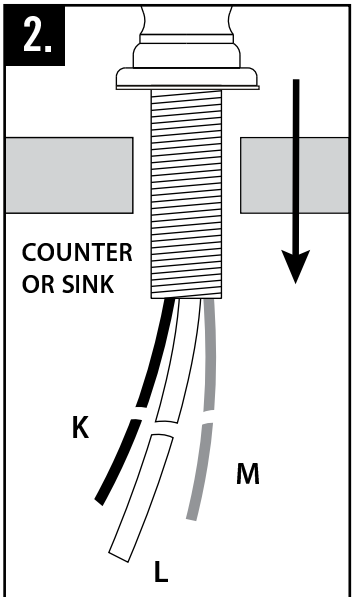
FILTRATION FAUCET INSTALLATION

1.



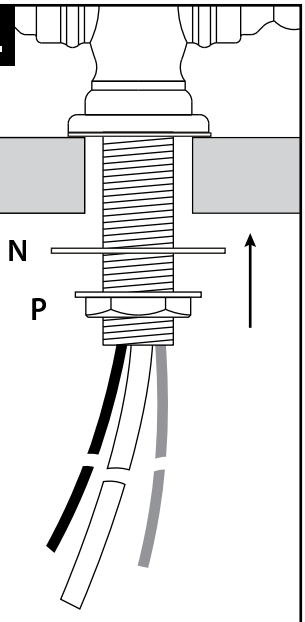
Slide escutcheon plate (G) and clear vinyl washer (H) onto threaded shroud (J) and up to base of faucet.

2.



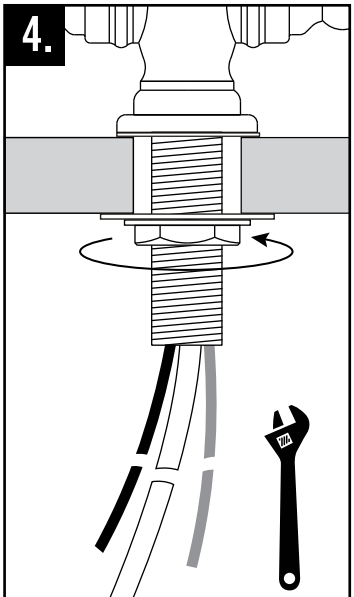
Fit flexible hoses (K, L, M) through hole on counter or sink. *(No plumbers putty is required. Vinyl washer seals base)*.

3.



Slide washer (N) and thread the nut (P) onto threaded shroud. Hand tighten nut underside of sink or counter.

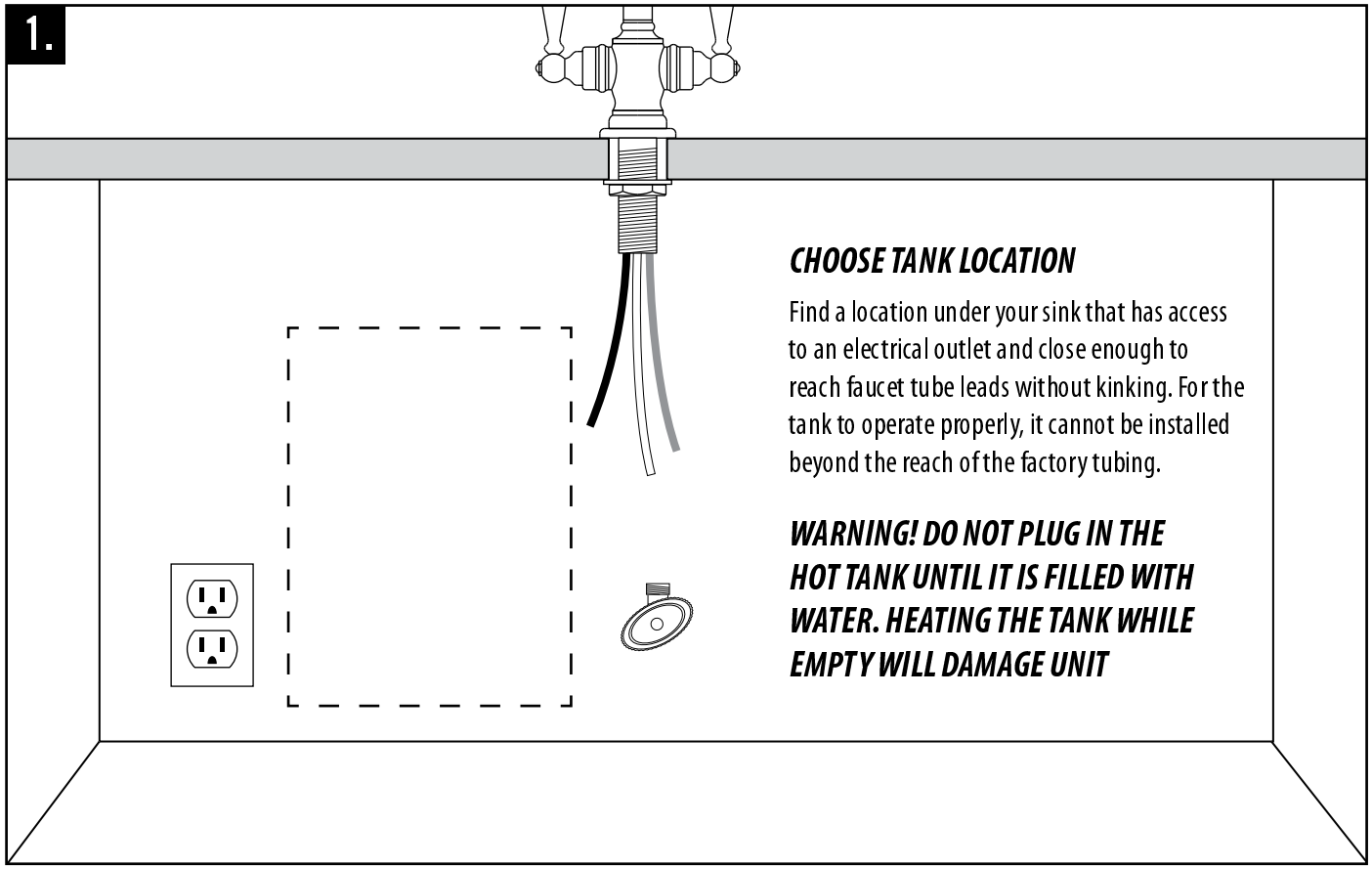
4.



Turn faucet to the desired handle position. Securely tighten nut with adjustable wrench.

HOT TANK INSTALLATION

1.

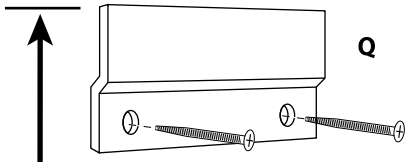


CHOOSE TANK LOCATION

Find a location under your sink that has access to an electrical outlet and close enough to reach faucet tube leads without kinking. For the tank to operate properly, it cannot be installed beyond the reach of the factory tubing.

WARNING! DO NOT PLUG IN THE HOT TANK UNTIL IT IS FILLED WITH WATER. HEATING THE TANK WHILE EMPTY WILL DAMAGE UNIT

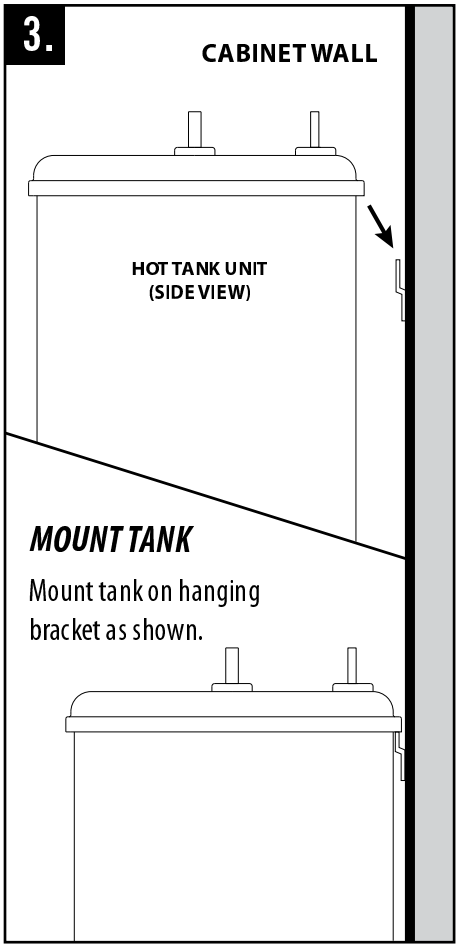
2.



INSTALL BRACKET

Install hanging bracket (Q) to cabinet wall. Make sure top edge of bracket is at least 12" from bottom of cabinet.

3.

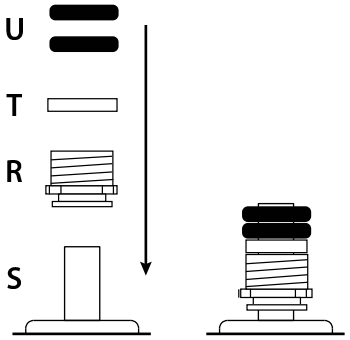


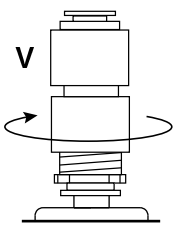
MOUNT TANK

Mount tank on hanging bracket as shown.

4.

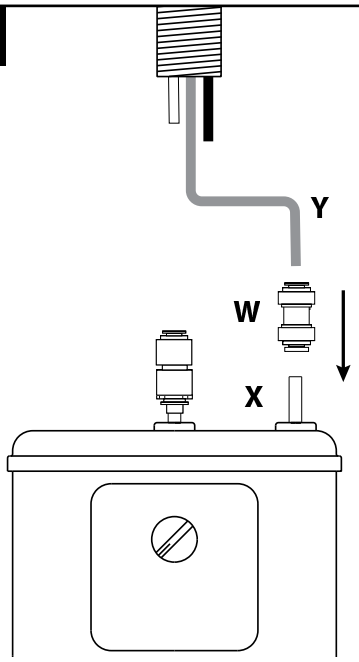
CONNECTOR INSTALLATION





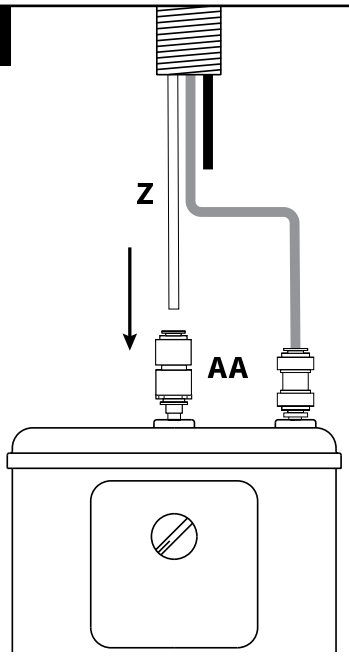
Slide nut (R) onto center Hot Tank tube (S), threads up. Slide on tapered collar (T). Slide on 2 orange O-rings (U). Position stack of components on tube so that O-rings are even with top tube. Hold nut in place and thread connector body (V) onto nut until snug.

5.



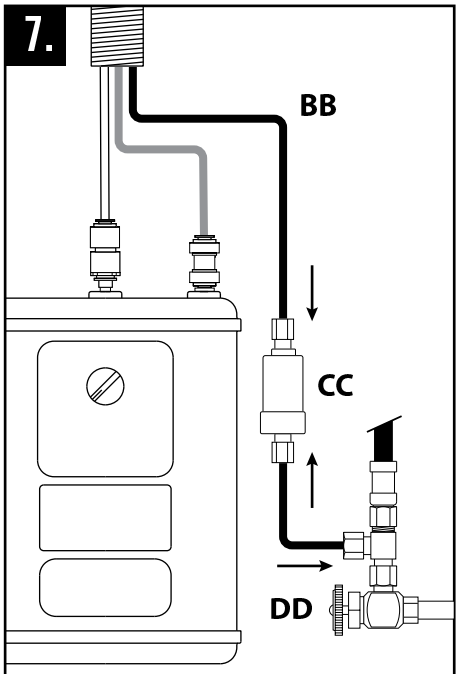
Connect 1/4″ quick connect fitting (W) to hot tank inlet (X). Connect 1/4″ red tube (Y) to connect fitting. Push until secure.

6.



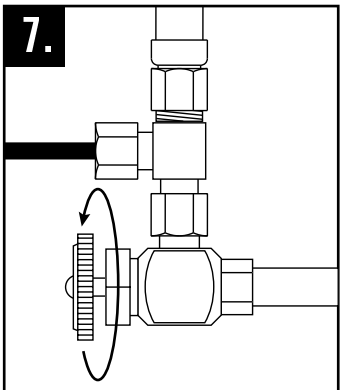
Connect 5/16″ clear tube (Z) to connect fitting (AA). Push until secure.

7.



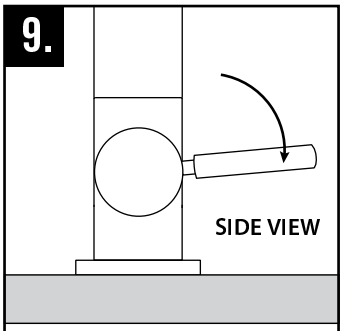
Connect 1/4″ blue tube (BB) to PRV valve (CC). Connect 1/4″ supply tube (not provided) from PRV valve to water supply (DD).

7.



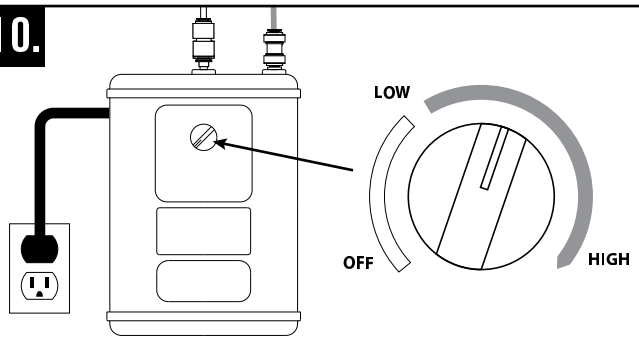
Turn water suppy back on.

9.



Turn on hot water until water flows freely from faucet. This means the Hot Tank is full.

10.



Plug in Hot Tank and turn temperature control dial to desired setting.

WATERSTONE MODEL 5000 BASIC TROUBLESHOOTING TIPS

MY TANK WILL NOT HEAT WATER

The model 5000 Hot Tank will take between 10 and 20 minutes to heat water to the setting specified on the temperature control dial. If after that time your tank is not heating water, make sure that it is plugged into a 110v electrical outlet. Keep in mind that sometimes the outlets under your sink are set up to be switched on with the garbage disposal. A good way to test the functionality of your outlet is to plug something else, like a lamp, into that outlet. If you have confirmed that your outlet is functioning properly and your tank still does not heat water after 20 minutes, please call Technical Support at 888-304-0660.

Continued on back panel...

MY FAUCET DRIPS FROM THE SPOUT

After hot water has been dispensed during normal usage, your tank immediately starts the reheating process which brings the water back up to the temperature you have selected with the temperature control dial. During this time, it is very normal for the faucet spout to drip for a few minutes while the water in the tank is reheating. What you are seeing is steam condensation collecting on the inside of the spout and again, this is very normal.

OKAY, BUT MY FAUCET DRIPS ALL THE TIME

The model 5000 is a zero-pressure vented system. What this means is that the tank is designed to vent air from the tank through your spout at all times. If your tank is dripping constantly, this is a symptom which may be caused by one of two things. The first thing to inspect and confirm is that the clear vent line which goes between the tank and the faucet is as short and as straight as possible. Any loops or kinks in this line will inhibit the tank from creating the required internal vacuum for normal operation. The next thing to ensure is that the tank is being supplied sufficient water pressure on its inlet side. When the model 5000 hot tank does not get 60psi at 1 gallon per minute (both minimum requirements), it can not create the vacuum needed to draw water in the spout back down into the tank when the valve is closed. Especially at higher temperature settings where expansion is present, this will cause the faucet to vent water out of the spout. This typically manifests its self in the form of a slow, steady drip. If you have measured the pressure being supplied to the tank to be 60psi range, and have confirmed that the clear vent line is straight and free of loops or kinks, dripping should not occur for any longer then a few minutes after you have used the tank. If you still experience problems at this point, please call Technical Support at 888-304-0660.

MY WATER HAS A BAD TASTE OR ODOR

Waterstone Faucets products utilize food grade NSF approved plastics for the cold water inlet portion of the unit and stainless steel for the hot water reservoir. The possibility of leaching chemicals, which could cause a bad taste or odor, is eliminated by the use of these materials. The most common cause of bad taste or odor is caused by unfiltered water. When hot water is dispensed, the odor and taste of these chemicals becomes accentuated by the steam and vapors still present in the hot water. The other common cause is plumbers putty or "pipe dope" used for sealing threads in new or newly repaired plumbing fixtures feeding the hot water tank. This results in a "metallic" taste in the water and can be cured by purging the hot tank and cleaning out any collected debris from the tip of the faucet.

MY FAUCET IS SPITTING AND STEAMING FROM THE TIP

One of two things is most likely happening in this case. First, the hot tank has not been used for a prolonged period of time (usually several weeks) and has been allowed to evaporate down to a low internal water level exposing the heating element. As the heating element cycles on, the unit overheats at the water surface and creates steam. As a preventative remedy for this situation, remember to turn down the thermostat to the hot tank if you are going to leave your home for an extended period of time, and make sure to run the tank periodically to keep the fill level up to its normal operating levels.

The second possibility is that the thermostat is sticking in the closed position causing the heating element to run continuously overheating the tank resulting in spitting and steaming out the tip of the faucet. In this case, rotate the thermostat control knob on the front of the tank through its full range of setting several times to allow the bi-metal coil to "un-stick" and resume its normal function, then reposition the control knob to your desired temperature. If the problem persists, unplug the hot tank and call customer service/tech support.

If you need assistance for your installation, please call us at 888-304-0660 and ask for our Technical Support Staff.

WATERSTONE FAUCETS

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