

NEVERCOLD™

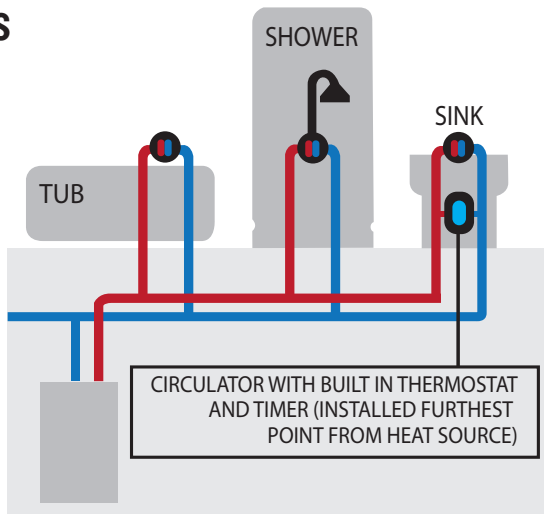
FROM
EASTMAN®

INSTALLS
UNDER
-SINK-

USER MANUAL

NEVERCOLD™

HOW IT WORKS



Get hot water comfort at every faucet

- Save time, no more waiting for hot water
 - Save hot water, up to 12,000 gallons a year
 - Save energy, save on utility and sewer fees
- GO GREEN, help conserve this precious resource

for more information visit nevercoldwater.com

APPLICATION

The NEVERCOLD™ circulators are designed to deliver hot water instantly at the point of use (under sink). Water savings can be as great as 12,000 – 15,000 gallons per year with 4-5 taps in a home. NEVERCOLD™ circulator is designed to be user friendly, reliable and to produce a professional installation.

WARNING: Risk of electric shock. The NEVERCOLD™ kits are supplied with a grounding conductor and grounding type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounding type receptacle.

WARNING: When installing NEVERCOLD™ observe all applicable electrical and plumbing codes.

WARNING: To avoid electrical shock, disconnect power prior to connecting or disconnecting NEVERCOLD™.

WARNING: Risk of electric shock. NEVERCOLD™ has not been investigated for use in swimming pool or marine areas.

WARNING: NEVERCOLD™ is acceptable for indoor use only. Employer uniquement à l'intérieur.

CAUTION: NEVERCOLD™ has been evaluated for use with water only. The suitability of NEVERCOLD™ for use with liquids other than water is the responsibility of the end user.

For optimum reliability and performance please follow the installation instructions outlined in this manual.

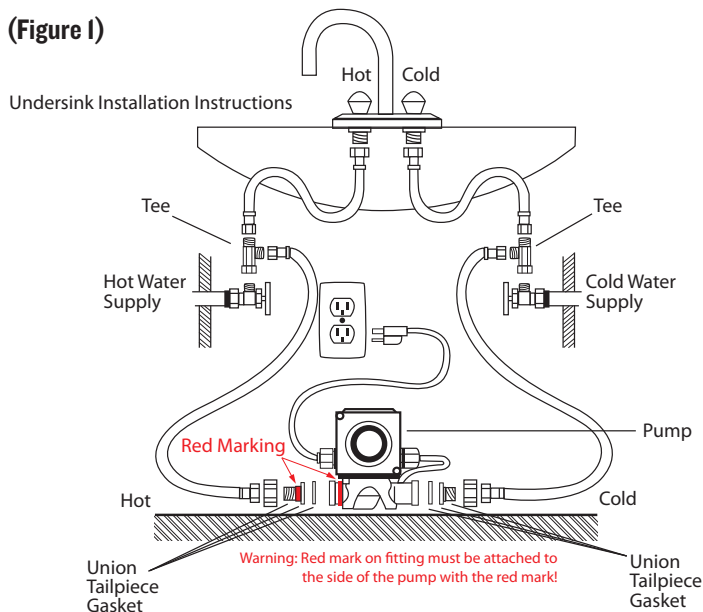
NOTE: Please note that this is not an anti-scald unit. There may be some warm water in the cold water line under the sink where the circulator is installed. Once the cold water line is opened, the warm water will disappear in a short time. (Longer hot water lines may result in longer time for hot water to reach the sink.)

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REQUIRED TOOLS

- (2) - Pipe wrenches which open to at least 1-1/2"
- (1) - Adjustable wrench which opens to at least 1"

(Figure 1)



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INSTRUCTIONS for NEVERCOLD™ Undersink Mount (see Fig. 1)

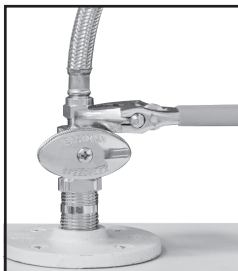
1. Locate the hot and cold shut off valves typically located near the faucet(s) under the counter. **This faucet should be the furthest point from the heat source.**
2. Close both shut off valves (Fig. 1) and disconnect the flexible hoses attached to each valve by turning the nut at the end of the hoses counter clockwise. (Fig 2)
3. Install one Tee at each valve. Connect female port of the Tee to the port on the valves from which you have just disconnected the hoses. (Fig. 3)
4. Connect the hoses which you had disconnected from the valves to the top port of the Tee.

Installation Tip:

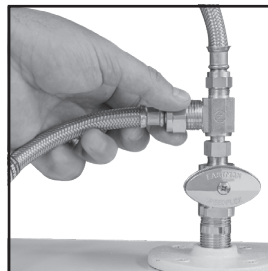
MAKE SURE YOU CONNECT THE HOSES TO THE SAME VALVE TO WHICH THEY HAD ORIGINALLY BEEN CONNECTED.



(Fig. 1)



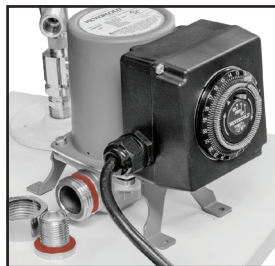
(Fig. 2)



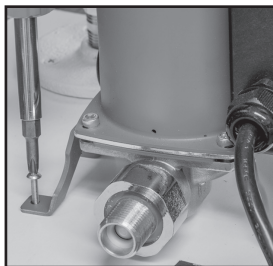
(Fig. 3)

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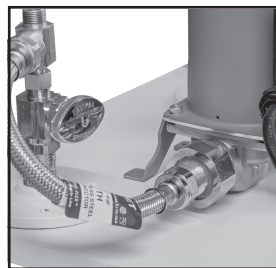
5. Attach the unions (gaskets, nuts and tail pieces) to the pump casing. The gaskets must be located between pump casing and tail piece. ***MAKE SURE THE TAIL PIECE MARKED RED IS MATCHED UP WITH THE RED MARKING ON THE INLET SIDE (THAT IS OPPOSITE DIRECTION OF ARROW) OF THE PUMP.*** You will need two pipe wrenches that open to at least 1-1/2" inches. Firmly tighten the two union nuts to avoid leaks. Do not install the pump upside down. (Fig. 4)
6. Place the pump into its intended location with the bracket on the floor and fasten with screws if necessary. It is also possible to install the pump horizontally but make sure that the wall to which it is fastened is sturdy enough to support the pump. NOTE: BE SURE THE ARROWS ON THE PUMP POINT TO THE COLD WATER SIDE. (Fig. 5)



(Fig. 4)



(Fig. 5)



(Fig. 6)

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7. Install the flex hoses by attaching one end to the remaining port of the Tee and the other end to the pump. **MAKE SURE THE HOSE ATTACHED TO THE HOT VALVE IS CONNECTED TO THE INLET SIDE (THAT IS THE OPPOSITE DIRECTION OF THE ARROW) OF THE PUMP. MAKE SURE THE HOSE ATTACHED TO THE COLD VALVE IS CONNECTED TO THE DISCHARGE SIDE (THAT IS THE SIDE THE ARROW IS POINTING TO) OF THE PUMP. (Fig. 6)**
8. Open the valves. Check for leaks.
9. Plug in the cord to any convenient grounded, 115 volt outlet. Your kit contains a circulator with a built-in timer. Follow the step by step directions on the timer instruction sheet to program the timer to meet your hot water needs. (Fig. 7)
10. The system will settle in 2 to 3 hours. Opening faucets will help release any trapped air.



(Fig. 7)



Complete Installation

NEVERCOLD™

MECHANICAL TIMER OPERATION

The timer will turn the circulator on and off based on the times when hot water is needed. This may only be in the mornings and evenings depending on the schedules of the residence.

SETTING INSTRUCTIONS

1. To set the current time, rotate the outer ring until the arrow head lines up with the correct time. This is a 24-hour clock so 1 to 12 on the clock indicates 1AM to noon and 13 to 24 on the clock indicates 1PM to midnight.
2. To set the time that the pump will operate, move all the tabs outward during the time period. (Fig. 1)
Example: To set ON at 7:00AM and OFF at 10:00AM move all of the tabs between 7 and 10 to outward position.
3. By following the instructions in step 2 multiple on-off cycles can be set.
4. The override switch has 3 positions. (Fig. 2) The "I" indicates the pump will run continuously (24 hours a day) The position next to the clock symbol indicates the pump will follow the settings of the tabs. The "O" indicates the pump is off (not running).

Fig. 1

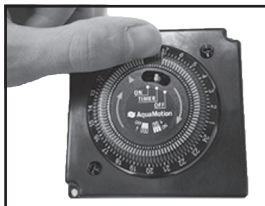


Fig. 2



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REPLACEMENT CARTRIDGE INSTRUCTIONS

CLEANING CARTRIDGE ASSEMBLY

NEVERCOLD™ pumps are specifically designed to prevent solid particles from entering the bearing / rotor chamber of the cartridge. However, in systems heavily contaminated by dirt, construction debris, etc., particles may enter the chamber on initial filling of the system and on rare occasions cause rotor blockage.

The **NEVERCOLD™** pump is designed to permit cleaning the interior of the cartridge and de-blocking. To do so, separate the two parts (refer to #6 under “Replacing Cartridge Assembly”) by grabbing the impeller and cartridge sleeve with opposite hands and pulling apart. Clean (rinse) the two parts and re-assemble. Follow the procedure under “Replacing Cartridge Assembly.” It is also recommended to flush the system.

REPLACING CARTRIDGE ASSEMBLY (Replacement cartridge sold separately)

1. Disconnect power.
2. Reduce system pressure to zero and let fluid cool down.
3. Close shut off valves. If there are no shut off valves, drain system.
4. Remove pump housing bolts and pull out motor assembly.
5. Remove cartridge. Insert screw drivers between motor housing and square plate and force cartridge out.
6. Insert new cartridge. Cartridge consists of two parts
7. Install new motor assembly using new O-ring gasket. Make sure gasket is properly placed.
8. Follow installation procedure to start up circulator.

LIMITED WARRANTY

NEVERCOLD™ warrants its products to the original user against defects in material and workmanship for a period of one (1) year from the date of consumer purchase. Complete pumps warranty is three (3) years from date of purchase. Valves and timers and accessories carry a one (1) year warranty from date of purchase. In the event of such defects within the warranty period, NEVERCOLD™ will, at its option, replace or recondition the product without charge, FOB NEVERCOLD™ factory. This shall constitute the exclusive remedy for breach of warranty, and NEVERCOLD™ shall not be responsible for any cost of removal, installation, transportation or any charges which may arise in connection with the warranty claims and shall not be responsible for any incidental or consequential damages, including without limitation, damages or other costs resulting from labor charges, delays, or vandalism. Negligence, fouling caused by foreign materials, damage from adverse water conditions, freezing, chemicals, certain additives, or any other circumstances over which NEVERCOLD™ has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation or maintenance of the product. NEVERCOLD™ makes no other warranties express or implied except as provided in this limited warranty.

To obtain service under this warranty, the defective product must be returned to the distributor or dealer of NEVERCOLD™ products from which it was purchased together with proof of purchase and installation date, and supporting installation data. Unless otherwise provided, the distributor or dealer will contact NEVERCOLD™ or an authorized service station for instructions. Any defective product to be returned to NEVERCOLD™ or a service station must be sent freight prepaid; documentation supporting the warranty claim and/or a Return Material Authorization must be included if so instructed.

NEVERCOLD™ WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSSES, OR EXPENSES ARISING FROM INSTALLATION, USE, OR ANY OTHER CAUSES. THERE ARE NOT EXPRESS OR IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH EXTEND BEYOND THOSE WARRANTIES DESCRIBED OR REFERRED TO ABOVE.

THANK YOU FOR PURCHASING A NEW NEVERCOLD™ HOT WATER SYSTEM!



EASY INSTALLATION

Can be installed in less than 30 minutes



SAVE ENERGY

Built-in timer only runs pump when it is set to run



INSTANT HOT WATER

Save time. No more waiting for hot water at every faucet



SAVE WATER

Conserves up to 12,000 gallons of water per year



PATENTED DESIGN

NO WAIT, NO WASTE HOT WATER RECIRCULATION SYSTEM

FOR MORE INFORMATION VISIT
NEVERCOLDWATER.COM