

# WHOLE HOUSE WATER FILTER SYSTEMS



## INSTRUCTION MANUAL



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## IMPORTANT NOTICE

It is highly recommended to hire a licensed plumber to install this system. Promolife is not responsible for improper installation.

## WHAT'S INCLUDED



20" Big Blue  
Housings



Bracket and Screws



Wrench



Filters

## OPTIONAL ACCESSORIES



Hardness Master



Water Meter



UV Sterilizer



Nipple Connectors

## INSTALLATION EXAMPLES

These systems are designed to be installed between the main water line and your hot water heater. **DO NOT RUN HOT WATER THROUGH THIS UNIT.** Hot water will damage or destroy the filter material.

Your installation will depend on space and your pipe setup. Below are some examples of other installations. See the back page for an example diagram.



**Choose a location where you can easily access the housings for filter replacements.  
Make sure the area does not exceed 120° F or fall below 35° F.**

# INSTALLATION

1. **Connect** (plumb) each filter housing together in line with each other as close together as possible. Install anywhere on the incoming cold water line before the hot water heater. Everyone has a different pipe configuration so some creativity may be needed for placement.

Observe the inlet and outlet on either side of the system. The Inlet is where water flows into the system and the Outlet is where water flows out of the unit toward your hot water heater.

You will need to purchase pipe connectors or adapters to plumb this unit. Your plumber can provide these. It is also recommended to install an on/off water valve on either side of this system if there isn't one in place in that position on the water line already. A water bypass can be helpful to ensure you still have access to water if there is any issue with your filters.

2. **Use** mounting brackets to secure the top part of the housing onto the wall or other mounting surface, like a 2x4. Brackets will keep the unit sturdy and prevent pipe breakage.

**IMPORTANT NOTE:** You can place the housings at any distance from each other, but it is highly recommended to place them as close to each other as possible.

3. **Installing Filters:** If your filters were not installed already, it's easy to do this. Place the filters inside the housings in order. This will depend on your system. See below for examples.

Make sure the O-Ring is intact on each filter. The side of the filter with the O-Ring should point toward the black top piece of the housing. Tighten each housing with the included wrench. Do not over-tighten the housing. Make sure to keep the wrench where you can easily find it.

**FILTER SEQUENCE:** If you have more than one of a particular type of filter, place them together in connected housings. Ignore any filters you did not purchase.



## Inlet

1. Sediment (if you have more than one, place the larger micron filter first)
2. KDF
3. Bone Char
4. Chloramine
5. Carbon Block
6. UV Sterilizer

## Outlet

4. **Turn** on the water and check for leaks. Plumber's tape may be required. **Do not exceed 65 PSI water pressure.**

**NOTE:** It is highly recommended to hire a licensed plumber to install this system. Promolife is not responsible for improper installation.

## IMPORTANT NOTES ABOUT FILTERS

1. Since KDF/GAC and bone char filters are made from granulated carbon, there can be powdered carbon that washes off. We recommend installing KDF/GAC and bone char filters before the others and flush water through them for 10 to 15 minutes, then install the Chloramine or Carbon Block if your system has one. This will extend the life of the Chloramine or Carbon filter by preventing carbon from entering.
2. Sediment filters may need to be replaced every six months if your water contains high turbidity. This can vary depending on how much water is used.
3. We recommend replacing filters once 35,000 gallons has passed through. For most households this takes about a year.
4. If you have higher levels of tough contaminants like fluoride you may need to replace your filters more often. A simple water test can help determine when filters need to be changed.

## REPLACING FILTER CARTRIDGES

1. Turn off the incoming water and turn on a faucet to relieve the water pressure.
2. Secure a bucket under the housings to catch any water that will leak when removing.
3. Unscrew the housing (blue part) from the top. Be careful as they can be heavy. Water will spill.
4. Discard the cartridges and clean out the blue housing.
5. Install the new filter cartridges. See Installing Filters on the previous page for instructions.
6. Turn on the water and check for leaks.

## INSTALLING HARDNESSMASTER



The Hardness Master is a water conditioning system that can help filters maintain efficiency for longer periods. This unit can be installed on copper pipe, copper tubing, PVC, CPVC, PEX, iron pipe and galvanized steel pipes. It should be installed on the input side of the filter system.

1. Locate the incoming water line and find a straight section of at least 4". It can be vertical, horizontal, or diagonal. If no electric outlet is within range, consult a qualified electrician. The signal coil should not be closer than 6" from any major steel/iron objects, motors or appliances.
2. Use the two screws (and, if necessary, the wall plugs) to mount the control box to the wall. A screwdriver and drill are needed. You can mount it vertically or horizontally or place it on a shelf.
3. Unroll the cable and secure the middle of the cable to the pipe with a cable tie. Make at least 10 windings with one half of the cable but not so many that the cable cannot be connected to the control box. Secure the last winding with a cable tie. The second half of the cable should be wound on top of the first layer in such a way that when done both cable ends are on opposite sides of the pipe and on one side of the coil. Secure again with a cable tie. Remove 0.2" (0.5 cm) of the insulation of both cable ends after having cut the cable to length. Insert the cable ends in the spring connector; polarity is not important.
4. Insert the 12VDC plug of the adaptor into the power jacket at the bottom of the HardnessMaster and connect the adaptor to either 110V or 230 V AC. The Red light and the Green light should show. The Red light indicates "Power present", the Green light indicates "Coil connected and signal being generated".

**How to check if your HardnessMaster is working for you:** The time scales vary according to water hardness and water consumption, but generally signs of de-scaling are seen within 4-6 weeks and often much earlier. Please note that the HardnessMaster may appear to become less effective after several weeks. This is because existing scale in the system is being removed so scale prevention is less effective during this period.

See the full instructions that came with the HardnessMaster for warranties, usage and specifications.

## INSTALLING COLD WATER METER

WM-PC meters allow you to keep track of how much water has run through your filter system, making it easier to gauge when to replace your filters.

1. Completely flush the water line upstream of the meter to remove any possible dirt and debris.
2. Confirm that the inlet strainer is installed on the upstream side of the meter. Install the meter in the pipeline. Water meters must be installed horizontally with the register facing upwards.
3. Flow direction must match the arrow located on the meter body.
4. Once positioned and inline, slowly open any upstream valves to prevent damage to the meter.



Meter Display

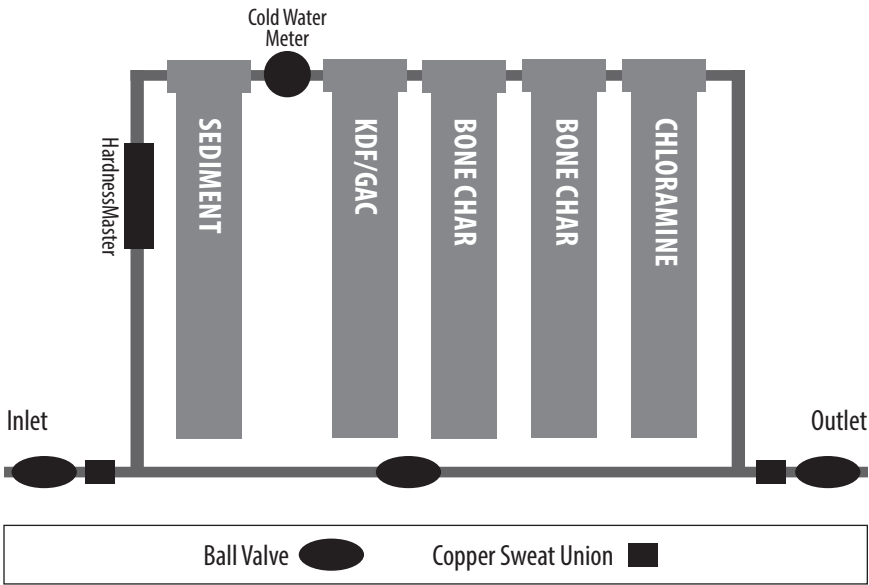
## INSTALLING THE UV SYSTEM



Please see the detailed instructions that came with your UV system to properly install it.

# EXAMPLE OF AN IDEAL 5 STAGE INSTALLATION

Below is a schematic that shows an ideal installtion. Note that in this example, several ball valves and unions are used to the entire filter array can be bypassed or removed if needed. This install features 1" copper pipe and sweat fittings. Filters are connected with 1"x4" lead-free brass pipe nipples. Diagram is not to scale.



## CUSTOMER NOTES

Date of Purchase: \_\_\_\_\_ Install Date: \_\_\_\_\_

## FILTER REPLACEMENTS

Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Date: \_\_\_\_\_ Notes: \_\_\_\_\_

Date: \_\_\_\_\_ Notes: \_\_\_\_\_