



”Protector” Whole Home Water Conditioner Installation Instructions

CONGRATULATIONS!

You have just received the ultimate in water conditioning equipment! This system will give you similar benefits of a standard water softener and carbon filter without wasting any water or electricity. Every water appliance in your home will last much longer with the Whole Home “**Protector**” Water Conditioner and is maintenance free for well over a decade.

Within our homes the primary problems associated with the use of water are related to hardness (high soap consumption, poor cleaning, scale formation to name a few) and taste and odor caused by disinfecting chemicals such as chlorine.

The Whole Home “**Protector**” Water Conditioning unit uses a well refined catalytic/magnetic device to render the water hardness harmless for up to 72 hours. This is done by converting the hardness from a dissolved contaminant to a sub-micron suspended solid that literally washes through the plumbing system before it can react and form a scale or interfere with the action of soaps and detergents. Powerful long life rare earth magnets are used internally so there is no need for an outside power source. The process is self-cleaning and requires no chemicals.

Once the hardness is controlled, the water is exposed to a special media that destroys the residual chlorine and eliminates the taste and odor associated with this chemical. Unlike activated carbon, this media does not adsorb the chlorine so it does not “load up” and require frequent costly replacement. As an added bonus, this media has been demonstrated to reduce trace amounts of heavy metals (lead, mercury, arsenic, etc.) from water. Because the flow is always in the upward direction there is no resulting need for wasting water for backwash and no need for a valve to control water direction. No valve. No moving parts.

The units are stand-alone treatment devices for virtually all clean municipal waters and many clean private well water supplies. Special pre and post filters as well as laboratory consultation is available for discolored or problematic waters.

O.K. Let's now begin the process of installation.

1. OPENING THE CARTON

Please inspect packaging prior to opening. If there is visible damage make a notation on the bill of lading or the delivery receipt.

Carefully cut all four sides of the carton as close to the floor as possible.

Slide unit off of the remaining carton base.

Lift the carton up and over the top of the unit. Discard.

Inspect the unit for concealed damage to the outer stainless steel tank. Report to carrier if necessary.

2. PREPARE UNIT FOR INSTALLATION

- a. Identify the pipe connectors – male or female pipe, brass or plastic, etc. Instructions are sent in the connectors bag which show proper assembly of the O-rings and retaining clip. A bypass valve will be with the connectors. This will also give you a visual how the connectors are assembled. The bypass valves are assembled and show where the O-rings and retaining clips are placed.

NOTE: When viewing the unit from the BACK the inlet (untreated water) MUST enter the port on the RIGHT side. Treated water MUST exit the unit from the LEFT port. Failure to follow these instructions will cause plumbing problems and costly unit damage. Do NOT go any farther if you have any confusion about this portion of the instructions! The bypass valve also has red plastic arrows showing the direction of flow.

Turn off water supply and proceed to next step.

3. CONNECT PIPES TO UNIT

Be certain to follow good assembly practices and any applicable local plumbing codes.

NOTE: *Some customers will require an additional option to the “Protector” It consists of an inlet sediment filter and an outlet carbon block filter. The inlet filter adds life to the system by collecting any debris in the water supply and the carbon block removes trace Volatile Organic Compounds as well as providing the ultimate in taste.*

*If this option is provided, the white light weight 5 micron cartridge is on the **INLET** and the heavier carbon block is on the **OUTLET**.*

It is best to install these filter housings before proceeding with the installation of the “Protector”. Simply notice the in and out that are embossed on each of the filters and follow the water flow accordingly.

- a. Attach the yoke assembly to the by-pass valve if provided or directly to the in-out head if a by-pass was not included. Follow the cleaning instructions above. **DO NOT FIRMLY ATTACH.**
- b. Set the unit adjacent to the pipes and in the spot where you wish the final location to be.
- c. Take all necessary measurements and proceed to cut pipes and apply fittings.
- d. To avoid damage to the head on top of the tank, it is extremely important that the pipes line up properly with the fitting and that there is no pipe weight transferred to the head. A good procedure is to remove the pipe adapter from the unit at this time and do the attachment to the pipes while it is off of the unit.
- e. Now place the unit and align with the pipe connection yoke. Correct as necessary so that the head on the tank (or the by-pass valve) freely and easily slips into the adapter. Be sure all surfaces are clean and lubricate as indicated above. Secure with the Clack nuts provided.

4. START-UP

Locate a high flow faucet as close as possible to the unit. Open it all of the way.

SLOWLY turn on the water supply. About 1/8 full open.

Allow water to flow into the unit. Air will be dispelled from the tank through the open faucet.

Allow to flow until there is no more air and water only is exiting from the faucet. **NOTE: IF AT ANY TIME YOU NOTICE A FLOW RATE OF VERY LITTLE, STOP! PLUMBING IS REVERSED. THERE IS A STICKER THAT INDICATES WATER DIRECTION ON THE UNIT.**

Open faucet all of the way and allow water to run until clear. Installation is complete.

Look for and repair any minor leaks.

ENJOY YOUR EXCELLENT WATER FROM A TOTALLY ENVIRONMENTALLY SAFE AND FRIENDLY UNIT. QUESTIONS? Contact your provider @ www.waterfilters247.com

- if needed we will get you in contact with manufacturer directly

Average service life for a home of 4-5 people:

- Optional 4 x 20" sediment: 2 years
- Optional 4 x 20" carbon block/enhanced carbon: 2 years
- Optional 4 x 20" Metsorb/Fluoride: 2 years
- Protector Whole Home KDF Media 'inside tank': 12-16 years
- Optional Twin Post Tank "Fluoride Removal/EC" : 4-6 years