



Owners Manual

MATTERHORN Whole House System



Matterhorn Filter Corp

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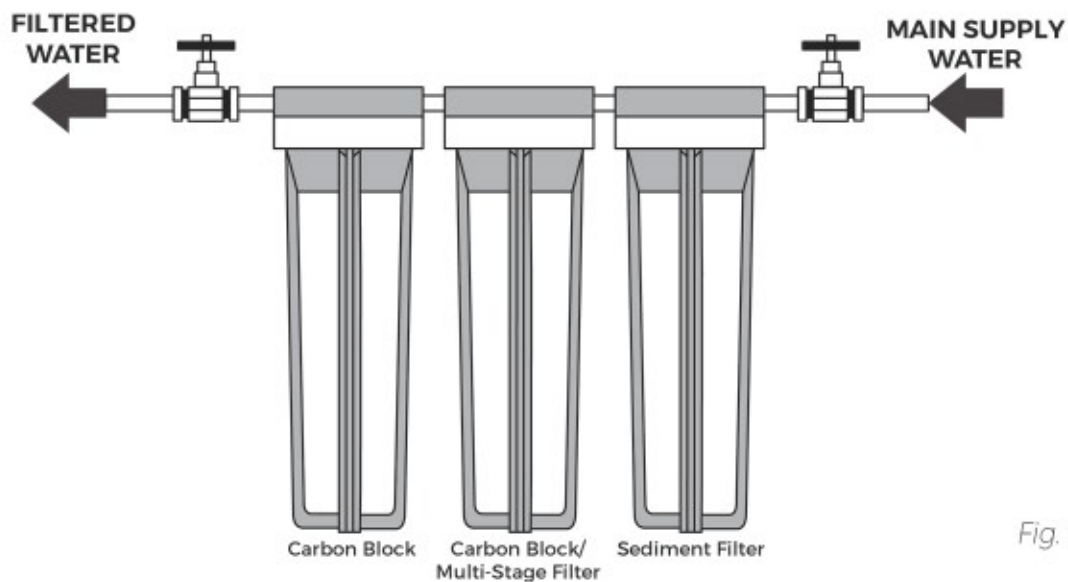


Fig. #1

IMPORTANT INSTRUCTIONS

It is recommended that installation of the whole house water filter be done by a professional licensed plumber

- Turn the water off to your house before installing the system.
- Both the sediment prefilter and the main filter have 1" NPT fittings. Use Teflon tape only on fittings.
- The sediment prefilter is the first thing the water passes through, then the main filter unit. Be sure to note inlet and outlet markings.
- Filter should be protected from freezing, direct sunlight, extreme temperatures, and should be kept dry.
- Turn off the electricity to your electric water heater during installation. After the system is installed and pressurized, turn on a few hot and cold water

faucets, and let them run until there is no more air in your lines, then turn the electricity back on to your water heater.

- The instructions provides a step by step procedure for installing your **Matterhorn** water filter system

Important !

Be sure to follow the assembly instructions before proceeding. It is recommended that installation of the whole house water filter be done by a professional plumber since cutting into your home's main water line is required.

It is recommended that a three-valve by-pass valve be installed to loop the entire system. This enables bypassing the water for lawn watering and makes servicing easier.

Maximum water pressure is 60 PSI. Install a pressure regulator on water with pressures higher than this.

IMPORTANT OPERATING NOTES

After an extended period of inactivity, allow water to run through the filter for several minutes before drinking. Otherwise, the taste may be bitter due to excess zinc oxide (which prevents bacterial growth and is harmless to drink).

Maximum recommended flow rate is 5 gallons per minute. Operating at higher flow rates will not necessarily damage the unit but will reduce the contaminant removal efficiency.



Maximum water pressure is 60 PSI. Install a pressure regulator on water with pressures higher than this. Maximum operating temperature is 110° F. Protect from freezing direct sunlight, extreme temperatures, and should be kept dry

INSTALLATION INSTRUCTIONS

STEP BY STEP PROCEDURE FOR INSTALLING YOUR APEX WATER FILTER SYSTEM.

1. Turn off the main line water to the house.
2. Open all plumbing fixtures in the house in order to drain the lines of as much water as possible.
3. The filter should be installed on the main water supply line near where it enters the house, at any point past the main shut-off valve for the whole house, but before pipes branch off into multiple directions.
4. Measure and remove a section of the main incoming water line near where the system is to be installed. When determining the length of pipe to cut, account for filter width, shut off valves, union fittings, nipple fittings, pressure gauges (if used) and bypass valve (if used). Allow this line to drain thoroughly. Smooth the newly cut ends down to avoid jagged points or edges. The filter should be located in a dry, level area and protected from freezing, and direct sunlight.
5. Place a shutoff valve and/or a pressure gauge immediately on either side of the filter for future purposes.
6. Securely mount the whole house filter using supplied mounting bracket and bolts. Ensure system is level.
7. Adjust pipe length or distance. Fit a pipe union onto the cut section of the main Water Line IN.
8. Fit together pipe union and shut off valve. Use Teflon tape on threaded fittings.
9. Simultaneously fit together shut off valve and whole house filter using pipe nipple or hex nipple to draw them together on the IN side of the filter.
10. Fit pipe hanger on water IN side for additional support.
11. Simultaneously fit together filter and the shut off valve on the OUT side of the filter. Fit pipe union to shut off valve on OUT side.
12. Check pipe length and pipe union length to see if additional pipe length or union required. Join pipe union and pipe.
13. Fit pipe hanger on water OUT side for additional support. Connect ground jumper cable (if necessary)
14. A) Remove each filter from its packaging, B) replace it in the sump taking care that it slots over the standpipe at the bottom of the sump, C) apply supplied silicone grease and O-ring to the sump's O-ring channel at the top of the sump, and D) fit to housing cap hand-tighten, then fit snug with housing wrench. DO NOT over tighten. The SEDIMENT filter treats the water first. The CARBON filter treats the water last. In 3 housing units the IRON or Nanofiber filter will be in the center position.

TURNING THE WATER BACK ON

Turn the water on slowly. After the unit is installed, it is necessary to flush the unit thoroughly.

DO NOT USE A HOT WATER FAUCET TO PERFORM INITIAL SYSTEM FLUSH.

The water will be black color for some time and this is normal. Continue to run water until it runs clear and all air has been purged. Shut the water off and let the unit still for a while, and then flush it again. It is not unusual for the water to appear "cloudy" for a day or so following installation - this cloudiness is actually tiny air bubbles being purged from the carbon. This is normal, harmless, and will clear up in a day or two.

RECOMMENDATIONS

- This filter system should not be used with water that is microbiologically unsafe or of unknown quality without adequate disinfection before and/or after the system.
- Even though there is filtered water in the cold water lines, the hot water heater is still full of raw water. Through normal use, this water will be replaced with filtered water in about 2 or 3 days. If you wish to accelerate the process, or if you have not done so in the past 2 years, then drain your hot water heater.
- Water filter systems should never be exposed to freezing temperatures - severe damage to the filter and housings could result. Such damage is not warrantied.
- After prolonged periods of non-use (such as a vacation), it is recommended that the system be flushed thoroughly for at least 5-10 minutes before using the water.



FILTER CHANGE INSTRUCTIONS

1. For well water—shock chlorinate your well and pipes prior to removing filters.
2. Turn off the water supply to the system. Depress the pressure release button on the top of the filter housing cap to relieve system pressure. If your system was not equipped with a pressure relief valve, leave open a nearby faucet. This will make removing the filter housing possible.
3. Unscrew the housing (sump) from the cap using the filter wrench.
4. Scrub the sump and cap with warm water mixed with about 2 tablespoons of household bleach using a sponge or soft rag. Wear rubber gloves.
5. A) Pour 2 cups of unscented concentrated bleach in each empty sump and close the system to hand tight and fit snug tight with the wrench. DO NOT over tighten. B) Drain your hot water heater. C) Open the main water supply to the system. D) Open a faucet at the furthest point from the system and run water until you smell the chlorine. Flush the toilet. Repeat at each point of use moving towards the filter system. E) Close the main water supply to the system. F) Open each housing.
6. Lubricate the O-ring with clean silicon grease if needed. DO NOT USE PETROLIUM JELLY. Insert O-ring in grove and press into place taping the O-ring all the way around. Make sure the O-ring is seated level. Replace O-ring if damaged or stretched.
7. Remove filter packaging and insert new filter cartridge into the sump, making sure that it slips over the standpipe in the bottom of the sump.
8. Fit the bottom of the housing (sump) into the cap and hand tighten, then use the filter wrench to fit snug. Do not over tighten.
9. Turn on the water supply slowly to allow the system to fill with water. Close any open valves downstream of the system once water flows and air is purged. Inspect system carefully for leaks. If a leak is found, first follow the shut off de-pressurization procedure and then remove the housing to inspect the O-ring to ensure that it is seated properly. Then retighten.
10. Flush the system by turning on a few cold-water faucets. Allow the water to run until the air and carbon has been purged. Water may be cloudy initially. New activated carbon filter cartridges may contain loose carbon and air bubbles after installation.

WARRANTY POLICY

One year warranty against manufacturer defects is offered with the purchase of the system.

This warranty does not cover damage due to abuse, neglect, freezing, fire or other fortuitous event. No allowance is made for the consequential damage, labor or expense incurred as a result of a proven defect.

Annual Water Consumption

- 1 person - 5,000 gallons
- 2 people - 55,000 gallons
- 4 people - 100,000 gallons



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