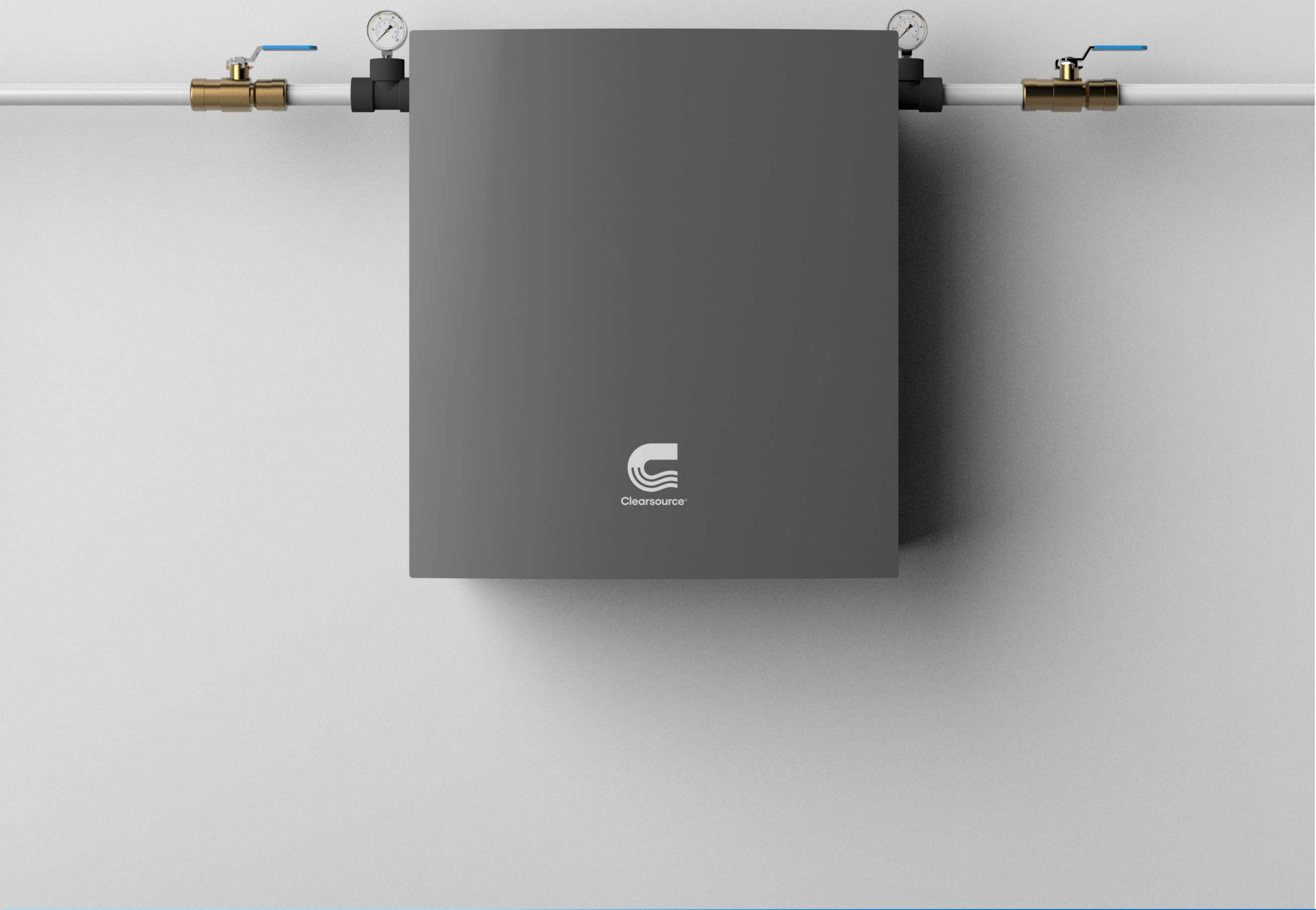


Clearsource®

Clearsource Whole House Water Filter System

User Manual



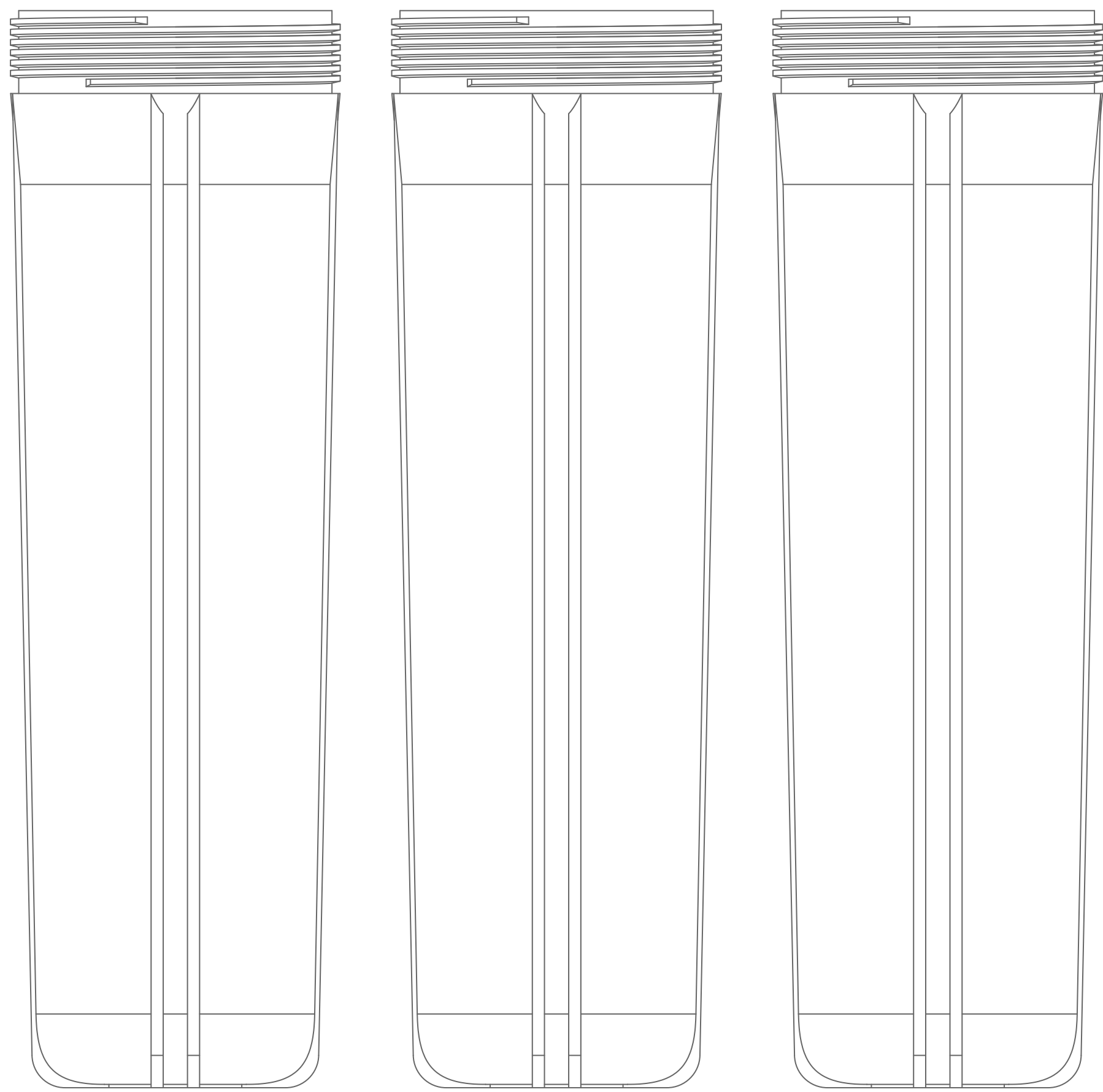
Congratulations on the purchase of your Clearsource™ Whole House Water Filter system.

This installation guide provides a step by step procedure for installing your Clearsource whole house water system. When properly installed and maintained, your new Clearsource system will deliver clean, safe water throughout your home.

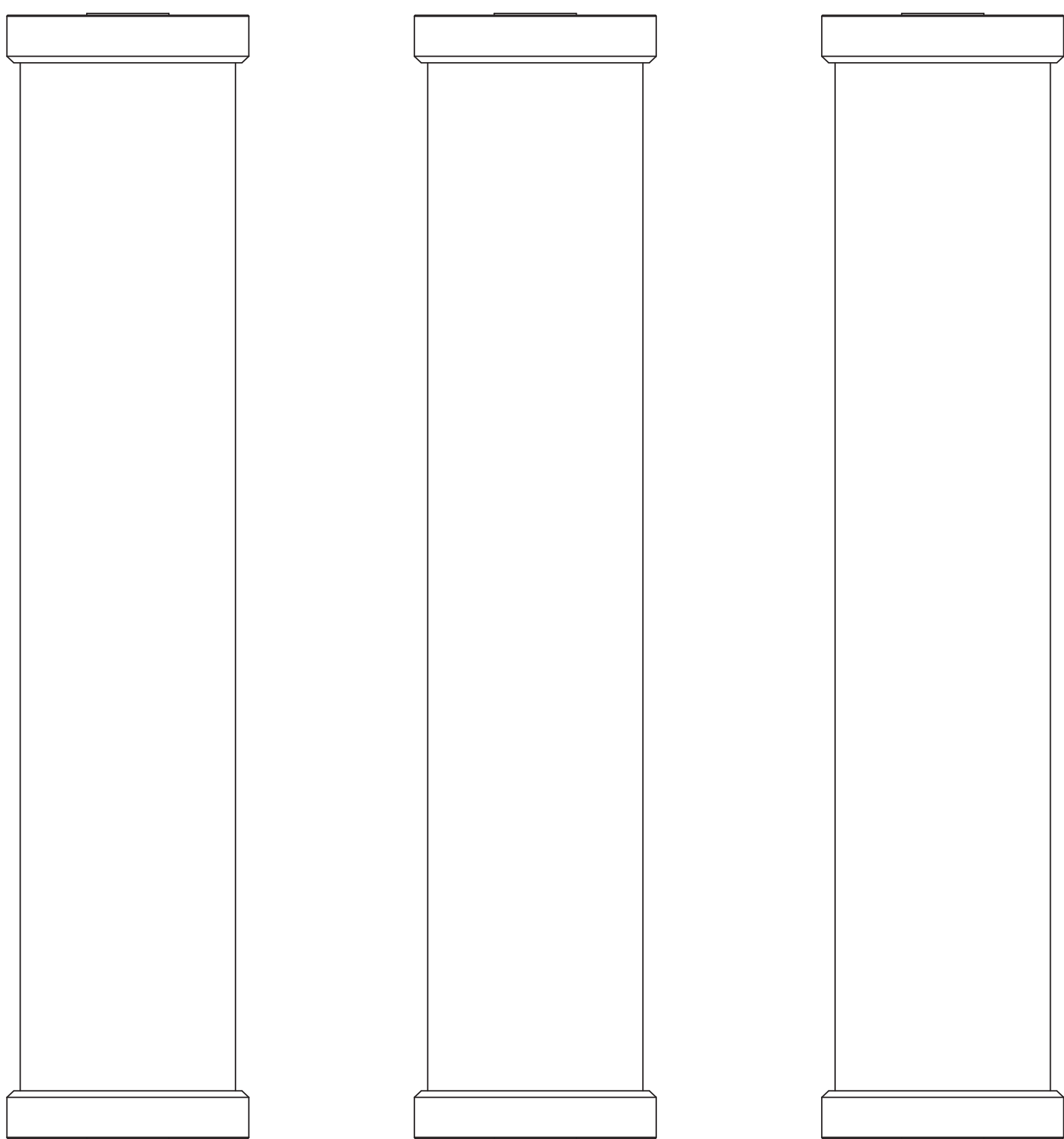
Included Items



System Chassis

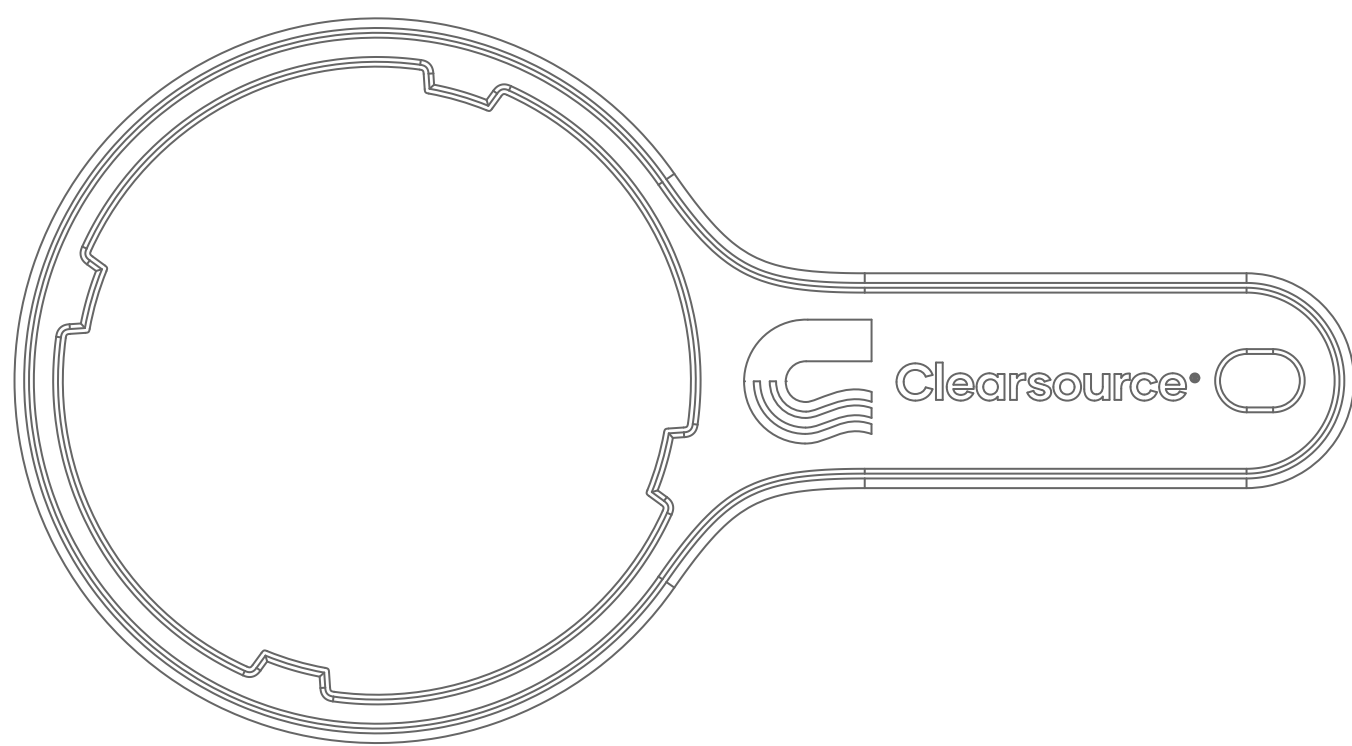


Three Filter Housings



Three Filters

(1) 5 Micron Filter, (1) .5 Micron Filter, (1) VirusGuard Filter



Housing Wrench

Before You Start

Proper installation of the system requires plumbing skills and familiarity with plumbing codes and practices. We strongly recommend using a licensed plumber to install it. Install the system in a sheltered environment. Avoid exposure to hot and cold extremes, and particularly freezing weather.

System Operating Conditions	Recommended Water Pressure 20-80 PSI	Recommended Water Temperature 40-100 F (4-37 C)
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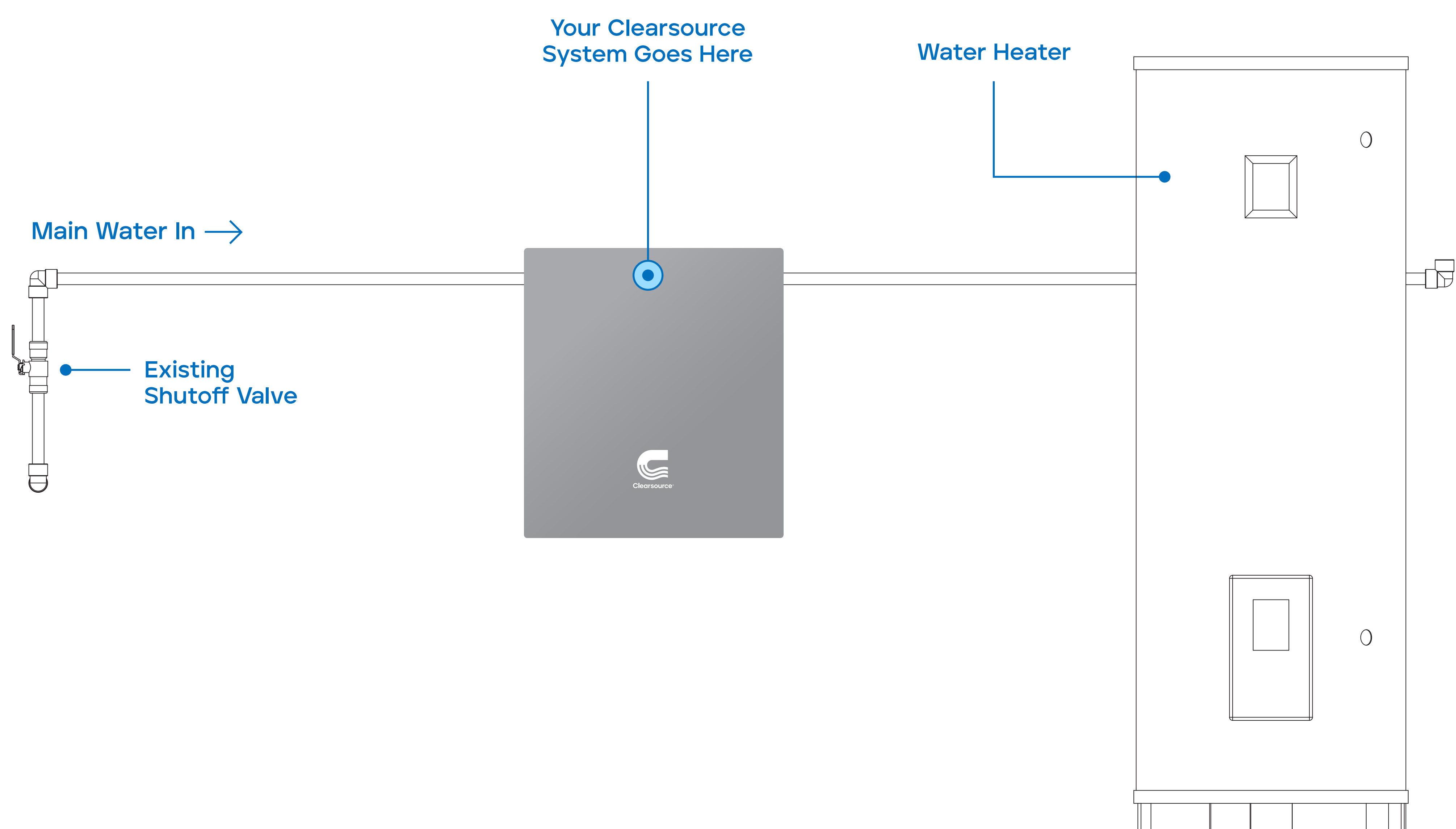
Required Tools	Safety Glasses Hacksaw Towels	Crescent Wrench Teflon Tape
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Required Parts (Not Included)	Two Shut Off Valves Two Hex Nipples or Pipe Nipples Two Pipe Hangers Two Pressure Gauges
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Installation

Installation

- 1 Before beginning, turn off your water supply to your house and open all plumbing fixtures in the house to release pressure.
- 2 Turn off the gas or electricity to your water heater.
- 3 Your Clearsource system should be placed on the main water supply line at any point past the main shutoff valve, but before the line splits to the water heater, and before any lines branch off.



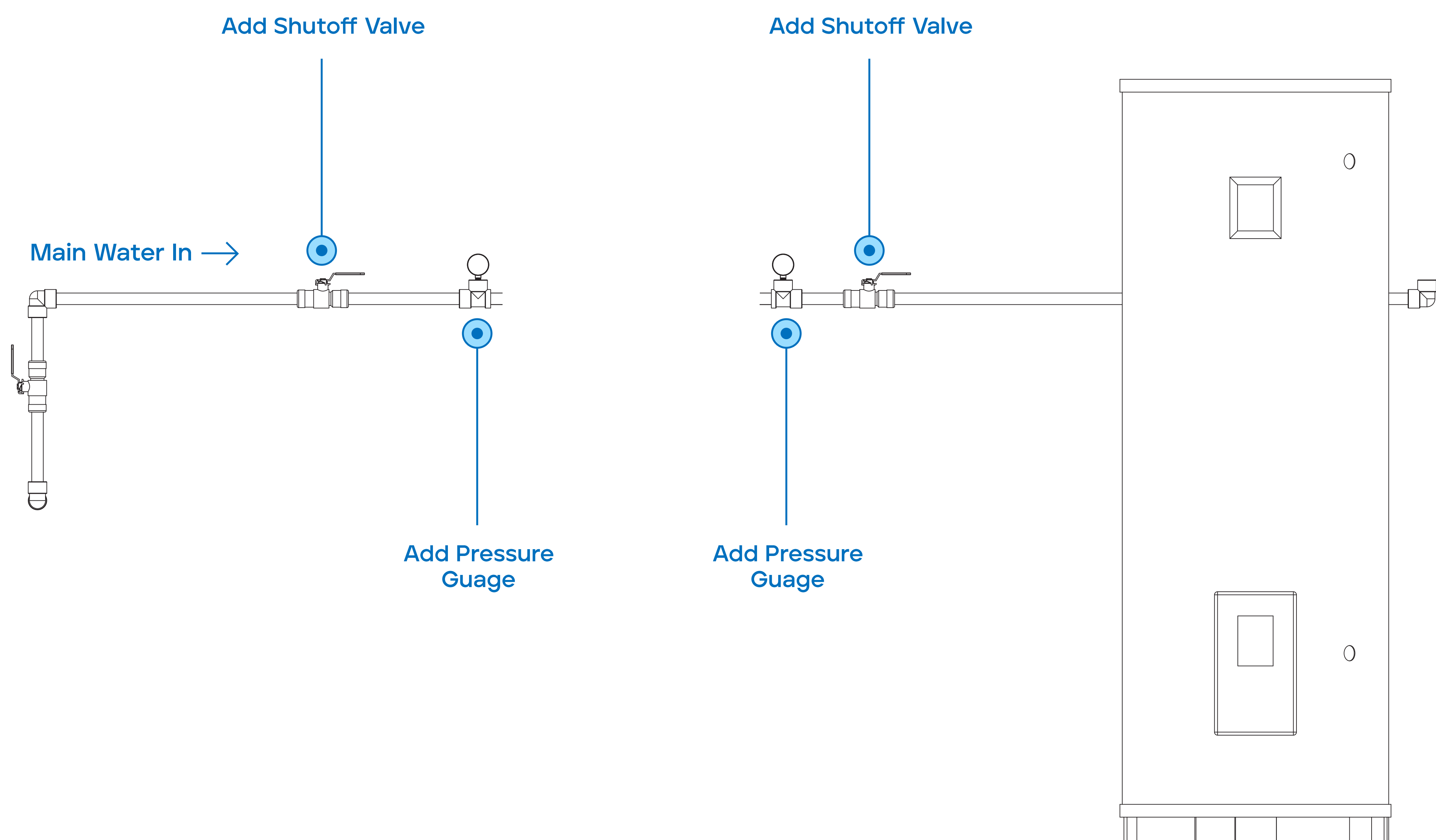
Installation

- 4 Measure, cut, and remove the section of water line where your Clearsource system will be installed.

Note: 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).

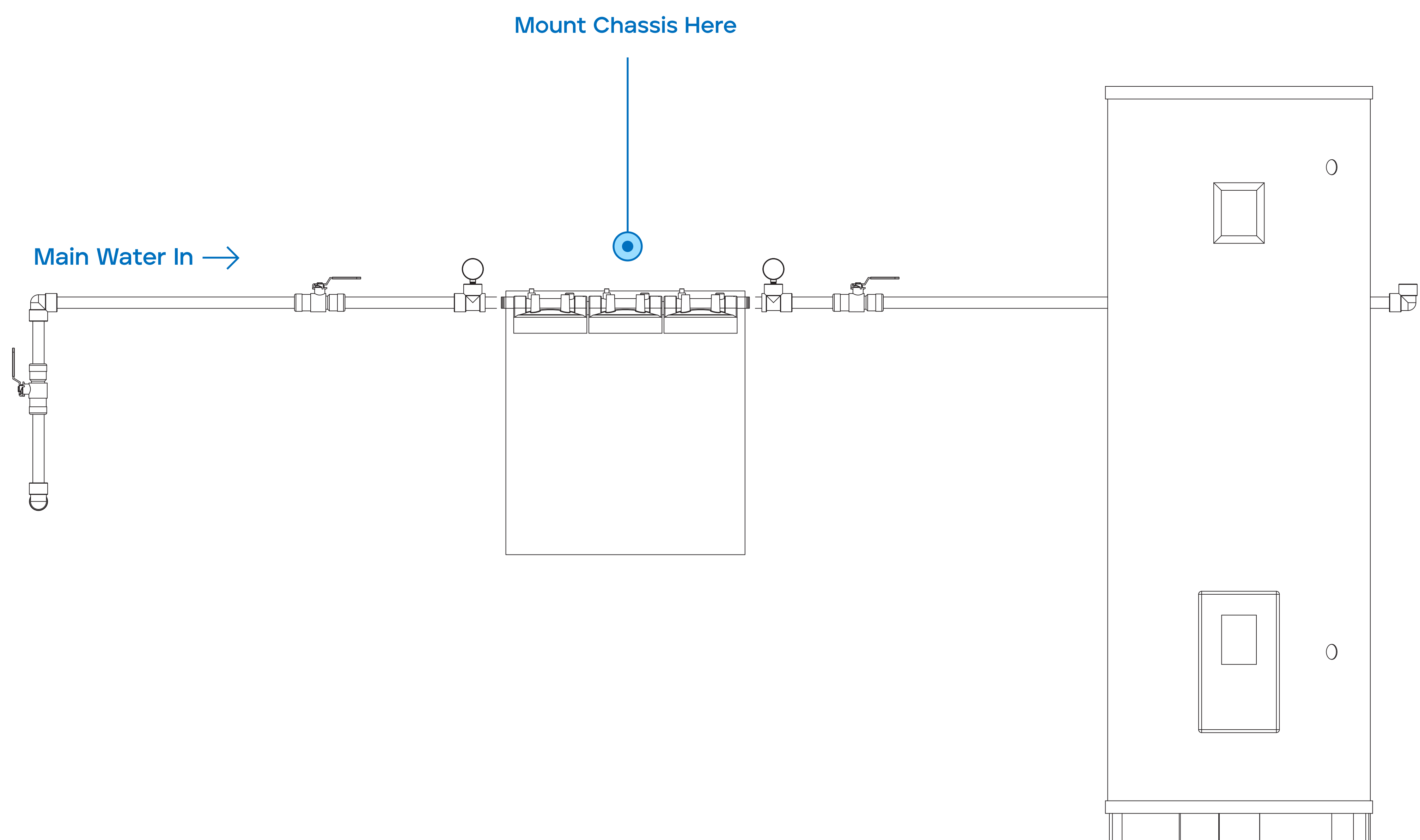
- 5 Allow the cut line to drain. Smooth the newly cut ends to avoid jagged points or edges.

- 6 Place a shutoff valve on both sides of your system for use during filter replacement or other servicing. We also recommend placing pressure gauges on each side of the filter to allow for monitoring of filter life.



Installation

- 7 To make installation easier by reducing weight, remove the canisters using the supplied canister wrench. Mount the chassis to a wall stud using the appropriate heavy duty fasteners. Make sure the chassis is level. You may need to adjust pipe length or distance.



- 8 Fit a pipe union onto the cut sections of the main water line then fit the pipe unions and shut off valve together. Use Teflon tape or plumbing sealant on the threaded male fittings.
- 9 Simultaneously fit together the shut off valve and your Clearource using a pipe nipple or hex nipple to draw them together on the INLET side of the filter.

- 10 Fit a pipe hanger on the INLET side for additional support.
- 11 Simultaneously fit together the filter and the shut off valve on the OUTLET side of the filter. Fit a pipe union to the shut off valve on the OUTLET side. Check the pipe length and pipe union length to see if additional pipe length or union length is required then join the pipe union and pipe.
- 12 Fit a pipe hanger on the OUTLET side for additional support.
- 13 Turn your water back on slowly. After a few minutes, the sound of water entering the system will stop. After the unit is installed, flush the unit thoroughly. Do this at the nearest COLD water faucet. Do not use a hot water line to flush the system. (Air purge buttons are located on top of the canisters)

The water will be blackish in color for the initial flush. This is residual carbon dust and is to be expected. Continue to run water until it runs clear and all air has been purged. Shut the water off and let the unit sit for a while, and then flush again. It is not unusual for the water to appear "cloudy" for a couple days following the installation. This cloudiness is caused by tiny air bubbles being purged from the filters. This is normal and will clear up.

Changing Filters

Changing Filters

- 1 Before changing your filters, turn off the water supply to your Clearsource system.
- 2 Press one or more of the red pressure release buttons on the top of the filter housings to relieve system pressure. Leave nearby cold-water faucet open. This will make removing the filter housing easier.
- 3 Unscrew each housing using the filter wrench included with your Clearsource system. Then remove and discard the old filter cartridges.
- 4 Remove the filter packaging and insert the filter cartridges into the housings, making sure they slip over the standpipe in the bottom of the housing. Replace the filters like-for-like.
- 5 Align the top of the housing into the cap and hand tighten, then use the filter wrench to snug it tight.
- 6 Close any open be cold-water faucets. Turn on the water supply slowly to allow the system to fill with water. Inspect carefully for leaks. If you find a leak, remove the housing and inspect the O-ring to ensure it is seated properly, then re-tighten.

- 7 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 as the filters and system clear of trapped air. New activated carbon filter cartridges may contain loose carbon and air bubbles after installation.

Warranty

Warranty

This warranty extends to the original purchaser of the system only. This warranty covers all manufacturer-supplied items only that prove to be defective in material, workmanship or factory preparation. This warranty covers parts only; all labor is excluded from this warranty, including, but not limited to, services related to the removal, replacement, installation, adjustment, maintenance and/or repair of the unit or its components items. excludes all non-manufacturer labor required for any servicing of the unit, including, but not limited to, servicing related to installation, adjustment, maintenance and repair of the unit. This warranty applies only for the first full calendar year from date of purchase. The following items are excluded from this warranty: filters, O-rings, and all other parts or components that require regular replacement as a result of ordinary usage.

Disclaimers: This warranty applies only if the system is installed, used and maintained in compliance with all instructions and requirements enclosed with the system. This warranty will be void for failure to observe the following conditions:

The system must be used with only with a potable water supply.

The feed pressure to the unit must be no less than 45 PSI and no greater than 80 PSI.

The system must be used on water supplies with chlorine concentrations of 1.0 mg/L (ppm) or less.

The feed water temperature must be no less than 40°F and no more than 100°F.

The feed water must have a pH between 4 and 8.

The turbidity of the feed water must be less than 1.0 NTU.

The SDI must be less than 5.

The feed water must be completely free of iron, manganese or hydrogen sulfide.

We do not know the characteristics of your water supply. The quality of your water may vary seasonally or over time. Your water usage may vary as well. We assume no liability for the determination of the equipment necessary to meet your requirements. Nor do we authorize others to assume such an obligation on our behalf.

This warranty does not cover any manufacturer-supplied items rendered defective as a result of the use of improper installation materials or techniques. This warranty does not cover alterations or modifications of the unit, or the failure of the due to any such alterations or modifications.

This warranty does not cover malfunctions due to tampering, misuse, alteration, lack of regular maintenance, misapplication, fouling from hydrogen sulfide, manganese or iron, scaling from excessive hardness, turbidity greater than 1.0 NTU, Silt Density Index (SDI) greater than 5.0 SDI, or excessive membrane hydrolysis due to chlorine levels in excess of 1.0 mg/L (ppm). This warranty also does not cover damage to the unit due to fire, accident, negligence, act of God, or events beyond the control of the manufacturer are not covered by this warranty.

This warranty does not cover incidental or consequential damages as a result of the failure of this unit to comply with express or implied warranties or any defect in the unit, including but not limited to, lost time, inconvenience, damage to personal property, loss of revenue, commercial losses, postage, travel, telephone expenditures, or other losses of this nature. Some states do not allow the exclusion or limitation of incidental or consequential damages. If you choose to keep the system despite such exclusions under state law, you agree the exclusions apply to you.

Warranty

This warranty is conditioned on you performing all necessary periodic maintenance as described in the literature enclosed with the system. Neglect, improper maintenance, abuse, modification or alteration of the unit will invalidate this warranty. Should your unit develop a defect or otherwise fail to perform in accordance with this warranty, please contact us.

Clearsource

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