

# WHOLE HOUSE DESCALER

## OWNER'S MANUAL



Next >

IF YOU NEED HELP OR HAVE A QUESTION, WE'VE GOT YOU COVERED.  
GIVE US A CALL AT 1-866-523-4099 PLEASE DO NOT RETURN TO THE STORE.



## Water Conditioning by WaterBoss®

Congratulations on your new purchase. This descaler system has been engineered to provide you with optimally conditioned water. The system features Scale Control Media with salt-free technology that naturally and safely reduces scale build-up on internal pipes and plumbing without the use of harsh salt or chemicals.



6 Years

The recommended replacement frequency for the WB-WH-DSCLR is every 6 years or 600,000 gallons of use.

# WHOLE HOUSE DESCALER

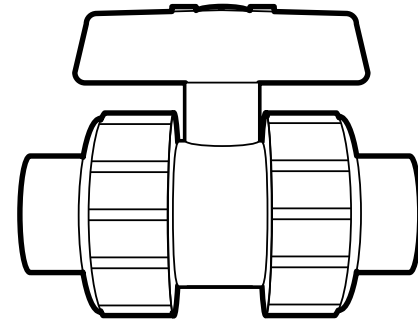
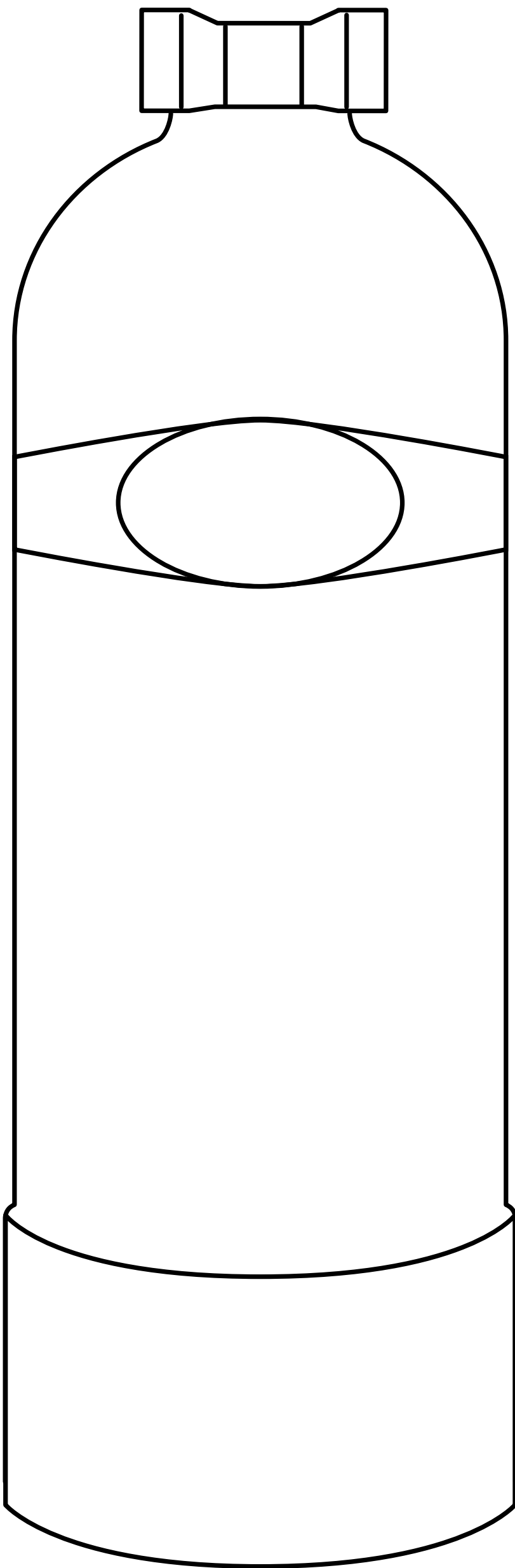
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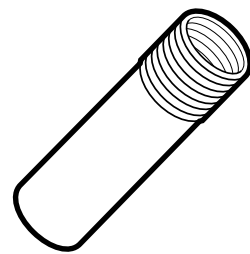


Scan to view the WB-WH-DSCLR installation video.

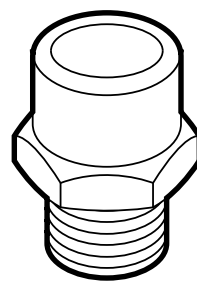
**DESCALER TANK**



**3/4" SHUT-OFF VALVE**



**3/4" X 3" THREADED NIPPLE**

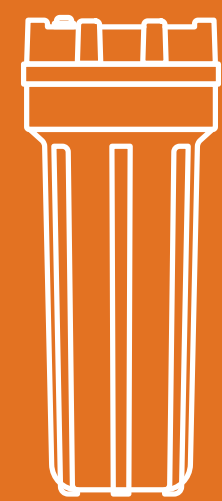


**HOSE ADAPTER**

**Please read entire manual to ensure all parts listed are present before installation. If any part is missing or damaged let us know by calling 1-866-523-4099. Do not attempt to install the system.**

**Tools & parts recommended for installation:**

- NSF certified PVC primer & glue
- Channel locks
- PVC pipe cutter
- Drill
- Wrench
- Crimping tool
- NSF certified Plumber's tape
- Copper wire & grounding clamps (if copper pipes are present)
- Garden hose
- 2 Universal slip unions

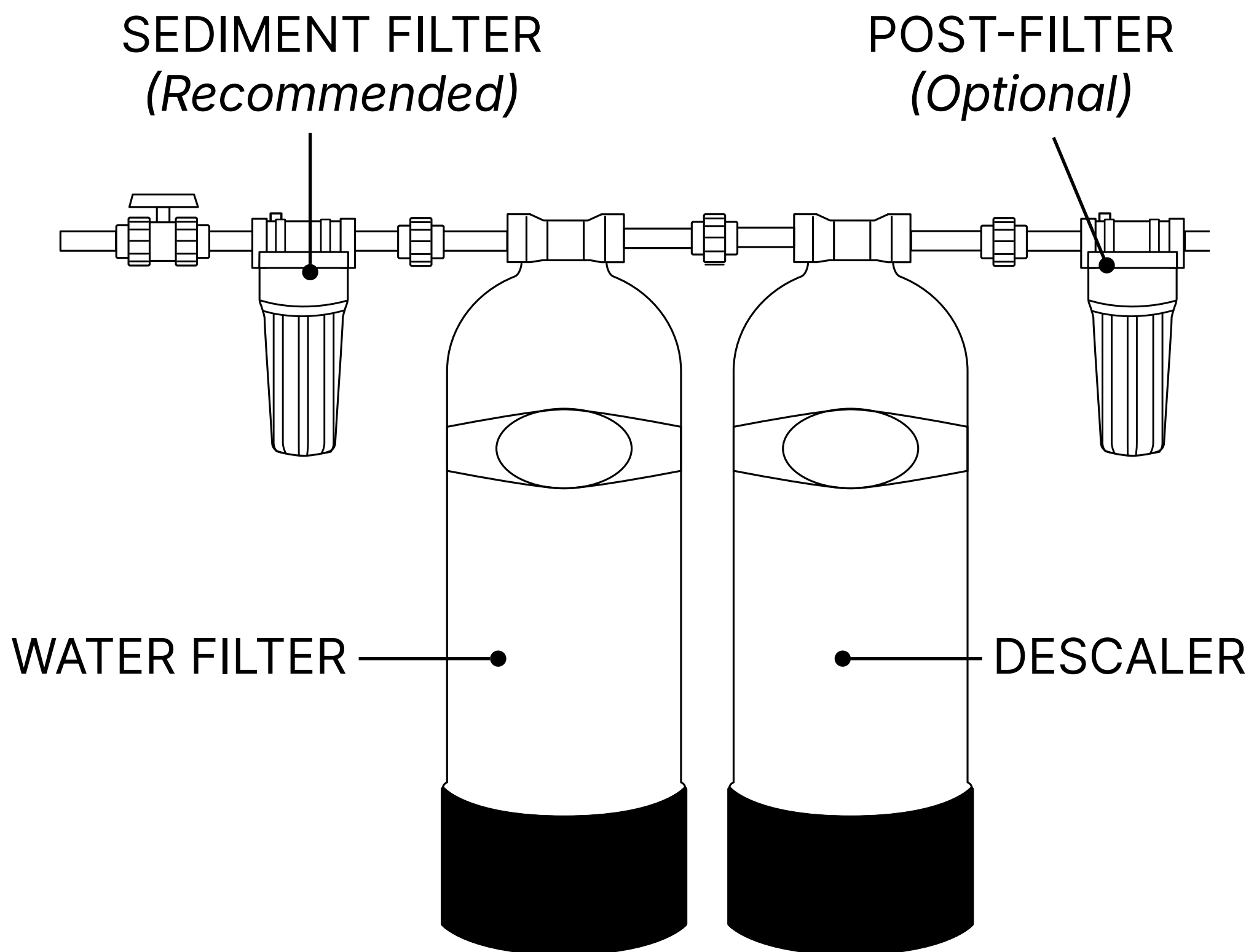


A sediment filter is recommended for the Whole House filter.

*Note: We recommend using a professional if pipe cutting is required.*

If you have added components to your Whole House Descaler, note the correct sequencing below.

WITH A WHOLE HOUSE WATER FILTER



Due to the varieties of home design, not all installation configurations can be addressed in this guide.



## CARE

To clean your system, wipe exterior with a damp cloth. Do not use any strong abrasive cleaning agent or solvent cleaner.

## NOTICE

### Safeguards

- Properly tighten all fittings to ensure a leak-free assembly.
- Pick an appropriate installation location. Dimensions of systems vary — always allow an estimated minimum of 28" clearance for height of tank.
- Unit must be installed in an area where the main water line enters your home, before connecting to the water heater. DO NOT install after a water heater or on the hot water line.
- It is recommended your system be installed indoors and out of direct sunlight. Prolonged exposure to light can weaken plastic components, resulting in filter housing failure. If this is not possible and the system is outdoors or in a sunny area, the unit must be protected from both direct sunlight and freezing temperatures.
- If installing on metallic plumbing, installing system with two grounding clamps and #4 copper wire are essential for safety.
- Some local codes may require the use of a licensed plumber or certified installer when disrupting a potable water line.
- Due to the varieties of home design, not all installation configurations can be addressed in this guide. Anticipate the need for additional parts and pieces including but not limited to pex tubing, clamps, and mounting screws to install unit properly (available at a local home improvement store or through your plumbing contractor).
- In areas with high pressure, a pressure relief valve and a water hammer arrestor may be necessary.
- Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before or after the system.
- NSF certified plumber's tape (thread sealing tape) is the only sealer that can be used on threaded fittings. DO NOT use pipe dope or PVC primer/glue on threaded fittings.
- Do not install this filter where the line pressure may exceed 100 psi. The operating pressure range for this filter is between 20 psi – 100 psi.
- Install on cold water lines only (40° – 90°F). Protect unit from freezing.
- Installation of the filtration system must comply with existing state and local plumbing codes. WaterBoss and its manufacturer is not liable for consequential or incidental damages due to improper installation.
- Do not install the unit on its side. It must be installed upright to maximize contact with media bed.
- Improper sequence of equipment will affect performance and could possibly damage your system.

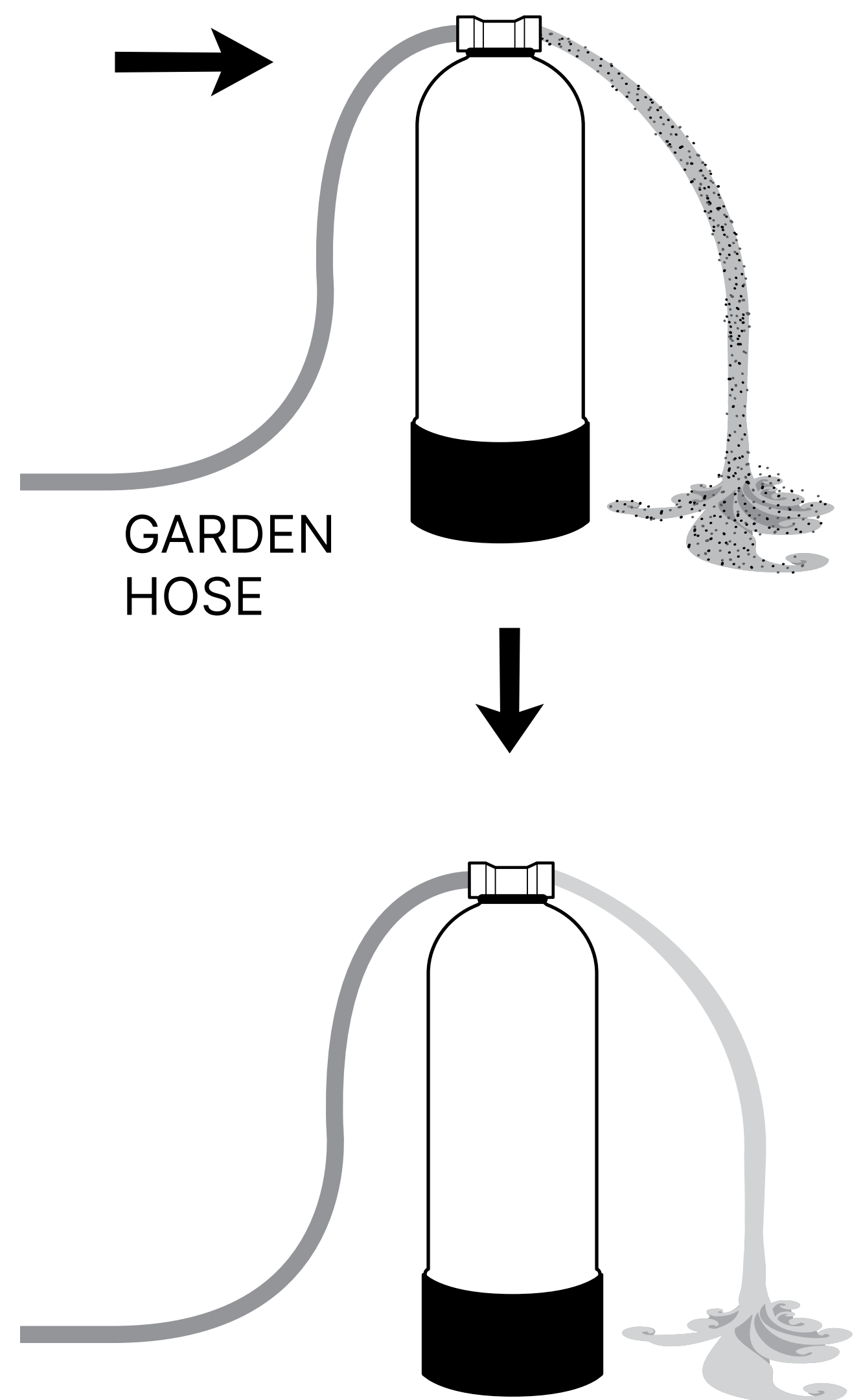
**STEP 1 Flush the Tank**

**Note: It's imperative that this tank is flushed properly prior to final installation. The Scale Control Media (SCM) used in the tank must be flushed prior to use. Surge flushing is the best method for purging the SCM fines from the media bed.**

1. Remove red shipping caps from the inlet and outlet ports located on the top of the tank.
2. Connect the supplied hose adapter to the inlet port. Then, attach garden hose to the hose adapter so that the water will flow into the tank out of the outlet port.
3. Slowly turn water supply on and allow water to flow from outlet port into a suitable drainage area. The first few gallons will appear black and cloudy due to SCM fines. Allow water to flush for 15 minutes.
4. After an initial 15-minute flushing, begin a period of "surge flushing" by turning water supply on for 30 seconds, and then off for 30 seconds. Repeat cycle for 15 minutes or until initial surge of water is completely clear and free from discoloration and cloudiness.

**Note: Do not drink flushed water.**

5. Disconnect the garden hose and hose adapter from the tank and position it for final installation.



**STEP 2 Prepare for Installation**

1. Pick an appropriate installation location. System must be installed in an area where the main water line enters your home, before connecting to the water heater.

**Note: DO NOT install after the water heater or on the hot water line.**

**Components and installation will vary.**

2. Turn off the main water source prior to installation and drain water from lines.
3. Wrap your 3/4" threaded nipples with NSF certified plumber's tape. Connect both 3/4" threaded nipples to the tank inlet and outlet ports.

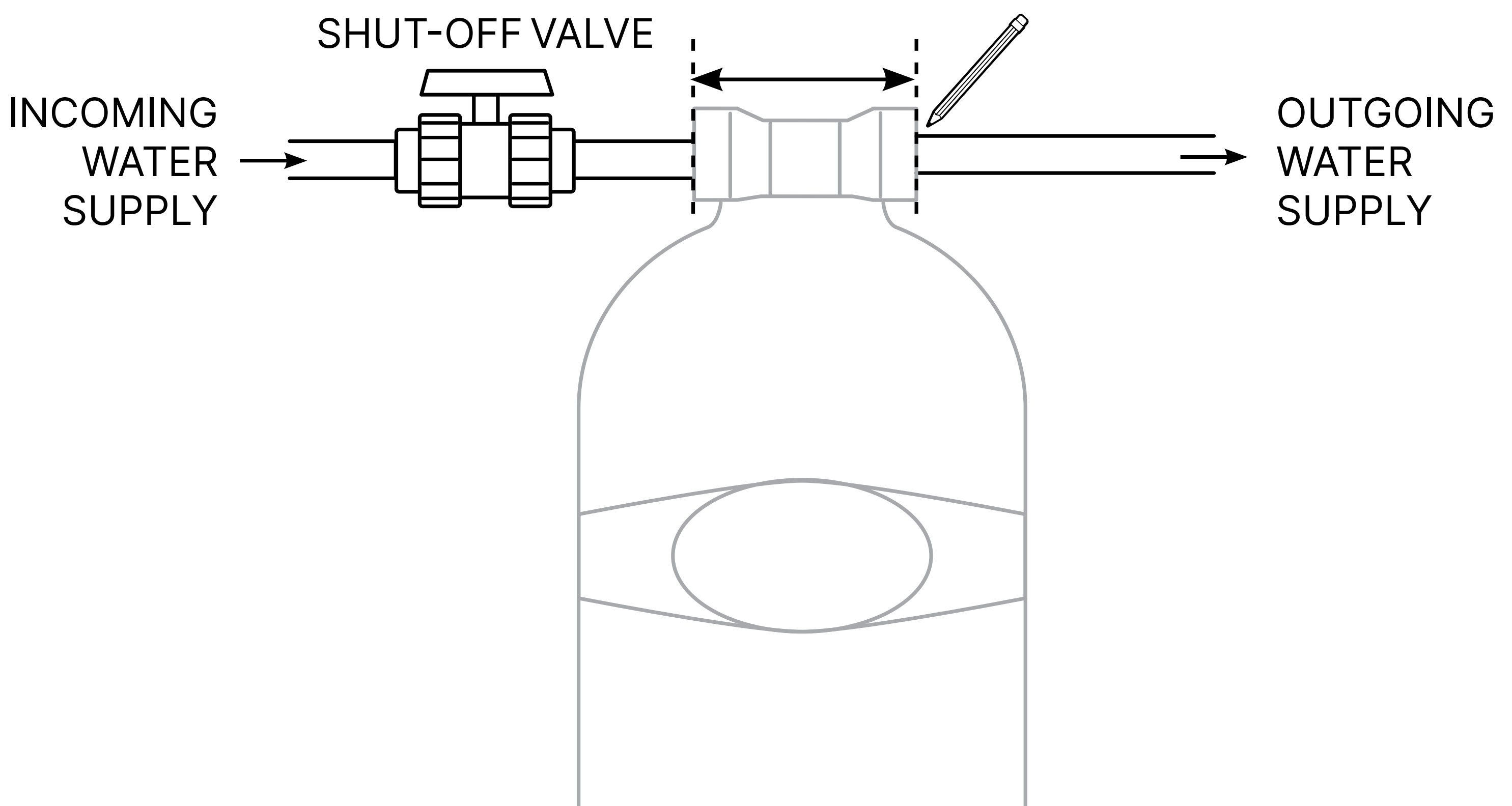
**Note: DO NOT use pipe solvent (dope), as solvents in some types of pipe dope may cause damage to plastic fittings. Do not over-tighten to prevent damage to filter head.**

**STEP 3 Install Shut-Off Valve**

1. Loosely fit shut-off valve on the inlet port fitting to calculate proper spacing of components.
2. Measure distance width of tank, shut-off valve, and any added components. Mark pipe accordingly.

**Note: If installing additional components (bypass loop, softener, Pre- or Post-Filters, slip unions, UV filter), loosely fit at this time for measurement.**

**ENSURE PROPER SPACING TO FIT DESCALER HEAD**

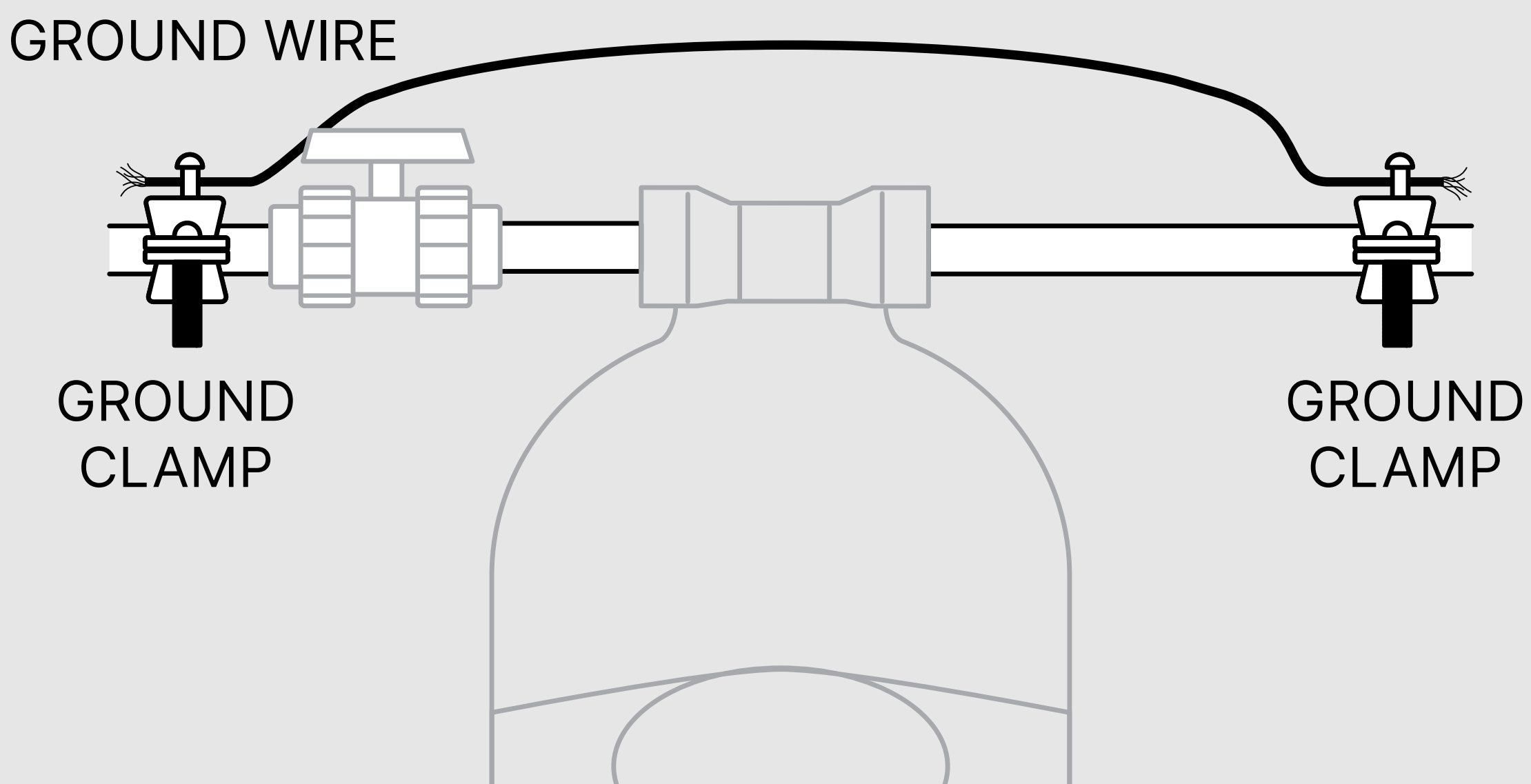




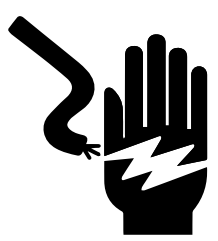
**STEP 3** Install Shut-Off Valve (Cont. from previous page)

**COPPER PIPES ONLY**

When installing on metallic plumbing, ensure you take the following precautions. Securely install two (2) grounding clamps and a #4 copper wire (not included) across the location where the system will be installed. Tightly clamp at both ends, as shown below.



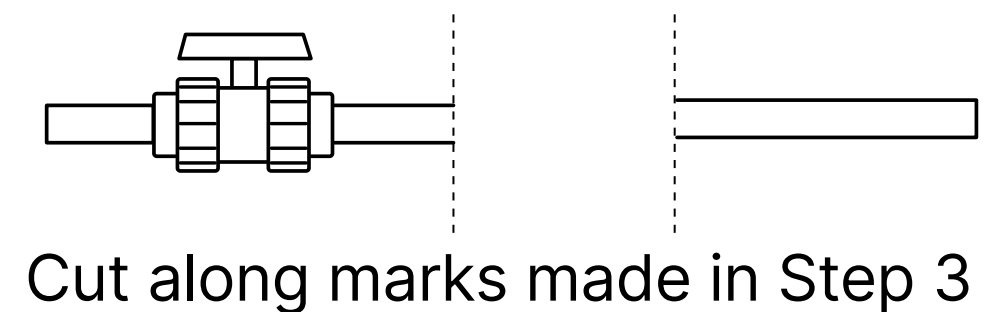
**⚠ WARNING**



**ELECTRICAL SHOCK HAZARD**

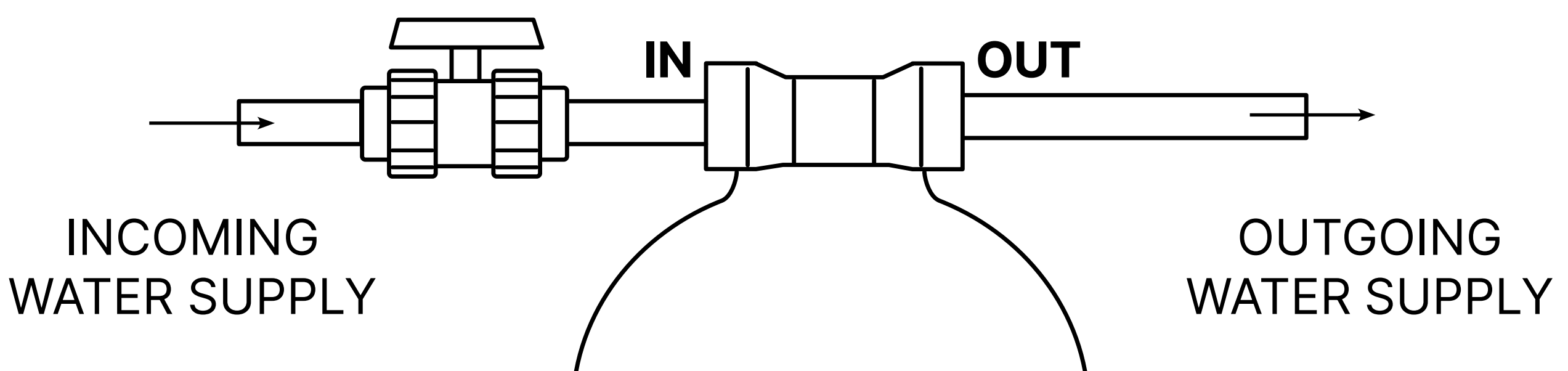
Prior to installation on metallic plumbing, securely install two grounding clamps and a #4 copper wire per installation instructions. Failure to follow these instructions can result in death or electric shock.

- Using a pipe cutter, cut pipe and clean ends of pipe. Ensure there are no burrs, sharp edges or deep scratches.



**Note:** Cut tubing as straight as possible with a utility knife, or an appropriate pipe cutter for copper tubing or PVC.

- Fit whole house descaler onto pipe. Ensure the “IN” port is connected to incoming water supply line. Apply NSF certified PVC glue on the inner fittings and outer pipes. Allow proper drying time. Then, tighten shut-off valve ends. Do not over tighten. Apply NSF certified PVC glue on the inner fittings and the outside of the pipe ends. Connect fittings to pipe and allow proper drying time. Then, tighten shut-off valve ends. Do not over tighten. Glue and connect added components at this time.





**STEP 4** Flush and Check for Leaks

Once installation is complete, slowly turn water supply on and inspect for leaks. After inspecting for leaks, turn on the faucet closest to the installed unit and allow water to run for 5-10 minutes for the final flushing period.

**Note:** Do not drink flushed water.

WB-WH-DSCLR	
Rated flow	7.0 gpm (26.5 Liters)
Max Capacity	6 years or 600,000 gallons
Min. Working Pressure	20 psi (137.9 kPa)
Max Working Pressure	100 psi (689.5 kPa)
Min. Operating Temperature	40° F (4.44° C)
Max Operating Temperature	90° F (32.22° C)
Manufactured by: WaterBoss® 6310 Midway Road   Haltom City, TX 76117   1-866-523-4099	

**Who is covered:**

WaterBoss<sup>®</sup> and its suppliers, (herein collectively referred to as a “Manufacturer”) warrants to the original owner who purchased and installed the system (hereinafter “Owner”). The warranty is restricted to the water conditioner used in a single-family residence in the United States of America and is void if moved from the original installation location.

**What is covered:**

This Limited Warranty covers defects in materials or workmanship during the Limited Warranty period of your of your WaterBoss<sup>®</sup> Whole House Descaler including sub-components purchased with original system, except as provided below. The water descaler is warranted only when it is installed, operated and maintained in accordance with the instructions accompanying the water descaler found on [waterboss.com/product-registration/](http://waterboss.com/product-registration/). A water descaler should be installed in such a manner that, if the system or any connection thereto should leak, the resulting flow of water will not cause damage to the area in which it is installed. For detailed instructions read the manual accompanying the water descaler and review drawings in the manual.

**For how long:**

This Limited Warranty runs for 72 months from the date of purchase by a consumer (hereinafter “Warranty Period”). No Warranty coverage will be provided if the claimant is unable to provide proof of purchase from an authorized WaterBoss<sup>®</sup> reseller. Water conditions and use rates may limit the functional lifespan of your descaler. This Limited Warranty does not extend to the full estimated life span of the system.

**What WaterBoss<sup>®</sup> will do:**

1. If necessary, the Manufacturer will provide a replacement that fulfills the remaining estimated lifespan/capacity of your original purchase and send it to you with installation instructions. If industry standards, product improvements or product obsolescence prohibit Manufacturer from furnishing an identical model replacement water descaler or part under this Warranty, the Owner will be furnished with a new water descaler of comparable remaining capacity and functionality; however, the Owner will be charged for the additional value of the item(s) which Manufacturer has incorporated in the replacement water descaler. The Warranty period for any replacement will run for the balance of the original 72 months.
2. Component Part – If any component part proves to Manufacturer’s satisfaction to be defective in material or workmanship within the warranty period listed on the data plate label, the Manufacturer will furnish the Owner with a replacement for the defective part(s).
3. Return of Defective Water Descaler and Component Parts – Manufacturer reserves the right to examine the alleged defect in the water descaler or component part(s), and it will be the Owner’s obligation to return the water descaler and/or component part(s) to the Manufacturer at the Manufacturer’s request.



- a. When returning a water descaler, it must include all component parts.
- b. When returning component part(s), they must be individually tagged and identified with the water descaler model number, date of purchase, and date of installation.

**What is not covered:**

1. This Limited Warranty does not cover any systems that were not installed in compliance with the instructions or that have been abused or operated incorrectly.
2. This Limited Warranty applies only to products purchased from authorized WaterBoss<sup>®</sup> resellers.
3. The Limited Warranty stated herein is in lieu of any and all warranties, express or implied (whether written or oral), including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.
4. Manufacturer shall not be liable for any incidental, consequential, special, punitive, or contingent damages or expenses, arising, directly or indirectly, from any defect in the water filter or the use of the water descaler, including but not limited to water damage.
5. Manufacturer shall not be liable for any water damage arising, directly or indirectly, from any defect in the water filter or component part(s) or from its use.
6. Manufacturer shall not be liable for any damage or product failures caused by any of the following:
  - The water descaler or any of its component parts have been subject to misuse, alteration, neglect or accident.
  - The water descaler has not been installed in accordance with the applicable local plumbing and/or building code(s) and/or regulations or in their absence.
  - The water descaler is not installed, operated and maintained in accordance with the printed Manufacturer's instructions, including if the water descaler has any additional aftermarket equipment introduced into the sealed system not approved by the manufacturer.
  - The water descaler is exposed to highly corrosive conditions.
  - The water descaler is not continuously supplied with potable water.
  - The water descaler is not operated within the factory calibrated temperature limits.
  - The water descaler is installed in direct sunlight or exposed to freezing temperatures.
  - The water conditioner is removed from its original installation location.
  - The water descaler or any of its component parts fail due to sediment build-up.
  - Damage caused by fire, flood or acts of God.
  - Damage caused by over-pressurization in the water line.



7. This Limited Warranty does not cover damage caused by the use of parts that are not genuine WaterBoss<sup>®</sup> parts. This includes, but is not limited to replacement descalers, faucets, and/or diverter valves.
8. Except when specifically prohibited by the applicable state law, the Owner, and not the Manufacturer, shall be liable for and shall pay for all charges for labor or other expenses incurred in the removal, repair or replacement of the water descaler or any component part(s) claimed to be defective or any expense incurred to remedy any defect in the product. Such charges may include, but are not necessarily limited to:
  - a. All freight, shipping, handling and delivery costs of forwarding a new water descaler or replacement part(s) to the owner.
  - b. All costs necessary or incidental in removing the defective water descaler or component part(s) and installing a new water descaler or component part(s).
  - c. Any material required to complete, and/or permits required for, installation of a new water descalers or replacement part(s), and
  - d. All costs necessary or incidental in returning the defective water descaler or component part(s) to a location designated by the Manufacturer.

**How to get service:**

To receive service under this Warranty, you must contact WaterBoss<sup>®</sup> at 866-523-4099 within the Warranty Period to describe the problem to a customer service representative who will verify that the product is under Warranty and determine whether a part or the system will be replaced and whether you must send back the unit. You will be required to provide proof of purchase and proof of proper installation.

**Warranty registration:**

Warranty registration is not required for coverage under the WaterBoss<sup>®</sup> Limited Warranty. If you purchased from a retailer or an authorized reseller, please complete the online Warranty registration form at [waterboss.com/product-registration/](http://waterboss.com/product-registration/). Proof of purchase from an WaterBoss<sup>®</sup> authorized dealer is required. Once registered online, we will have a record of your purchase.

**How state law applies:**

This Warranty gives you specific rights and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



WaterBoss®  
6310 Midway Road | Haltom City, TX 76117  
Phone: 1-866-523-4099