



TOXIN SHIELD[®]

CARTRIDGE



Installation Manual & Owner's Guide

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Congratulations on the purchase of your new EasyWater Toxin Shield Cartridge System. As with every EasyWater product, we are confident that you will be completely satisfied with your purchase. EasyWater is dedicated to providing the healthiest and most eco-friendly products to our customers.

How Toxin Shield Cartridge Works



Scan QR Code
to Watch Video

WATCH
How It Works

- 1) Sediment Cartridge:**
Removes dirt and sediment particles down to 5 microns in size.
- 2) Unique Granular Carbon Cartridge:**
Removes chloramines and reduces many remaining contaminants.
- 3) High Performance Carbon Cartridge:**
Removes chlorine and reduces many pesticides, herbicides, THMs, VOCs and more.

Benefits of Toxin Shield Cartridge

- ✓ Protects against many toxins that can be inhaled or absorbed through the skin
- ✓ Reduces many harmful pesticides, industrial contaminants, VOCs and more
- ✓ Protects your skin from irritation and dryness caused by chlorine
- ✓ Eliminates unpleasant tastes and odors from your bathing and drinking water
- ✓ Clothing and laundry feel softer to the touch and last longer
- ✓ Requires no electricity or drain
- ✓ Very little maintenance

Unpacking & Inspection

Be sure to inspect the entire shipment immediately upon receipt for any shipping damage or parts loss. Also note any damage to the shipping carton. **Contact the transportation company for all damages and loss claims. EasyWater is not responsible for damages in transit.**

Basic Guidelines

- » Before you begin installation, read the entire manual.
- » **CHECK LOCAL PLUMBING CODES. THE INSTALLATION MUST CONFORM TO STATED CODES.**
- » Use only lead-free solder and flux for all sweat-solder connections, as required by state and federal codes.
- » Use care when handling the filter.
- » Do not locate the system where freezing temperatures occur. Do not attempt to treat water that is over 120°F. **FREEZE DAMAGE OR HOT WATER DAMAGE VOIDS THE WARRANTY.**
- » If installing outdoors, protect from direct sunlight. Excessive sun and heat may cause distortion or other damage to non-metallic parts.

Specifications

Model	Optimal Flow Rate	Max Pressure	Filter Cartridge Sizes
TSCART	< 6 gpm	90 psi	4.5" x 20"

Before Starting Installation

WHERE TO INSTALL THE FILTER

- » Place the filter as close to the incoming water line as possible. On municipal applications, this would be as close to the water meter as possible. It is recommended to bypass outdoor faucets, install or plumb as necessary (this will conserve on water and filter capacity). On well water applications this would be after the pressure tank.
- » Connect the filter to the main water line before (ahead of) the water heater. Do not run hot water through the filter. Temperature of water passing through the filter must be less than 120°F.
- » Place the filter in an area where water damage is least likely to occur if a leak develops. **The manufacturer will not repair or pay for water damage.**
- » Do not install the filter in an area where it could freeze. **Freeze damage is not covered by the warranty.**

TOOLS, PIPE, FITTINGS & OTHER MATERIALS NEEDED

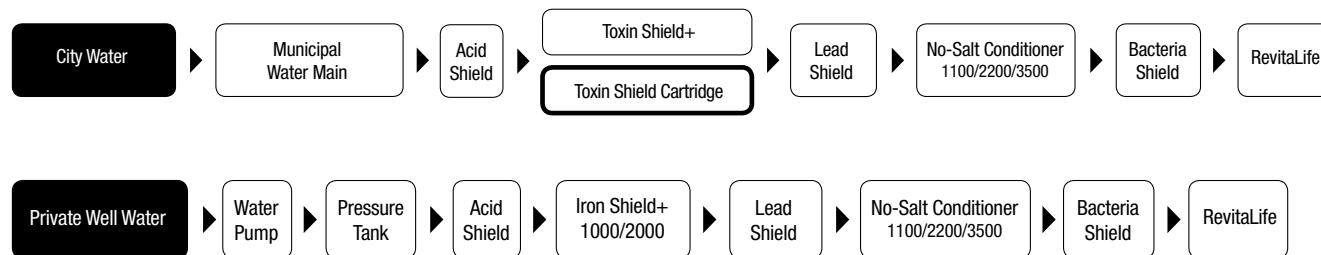
- » Two valves; one for the inlet side and one for the outlet side.
- » A minimum pipe size of ¾" should be used to connect to the filter. Pipe size of 1" or larger can be used if necessary.
- » Use copper, brass, CPVC or PEX plastic pipe fittings. **Always follow local plumbing codes.**

PLAN HOW YOU WILL INSTALL THE FILTER

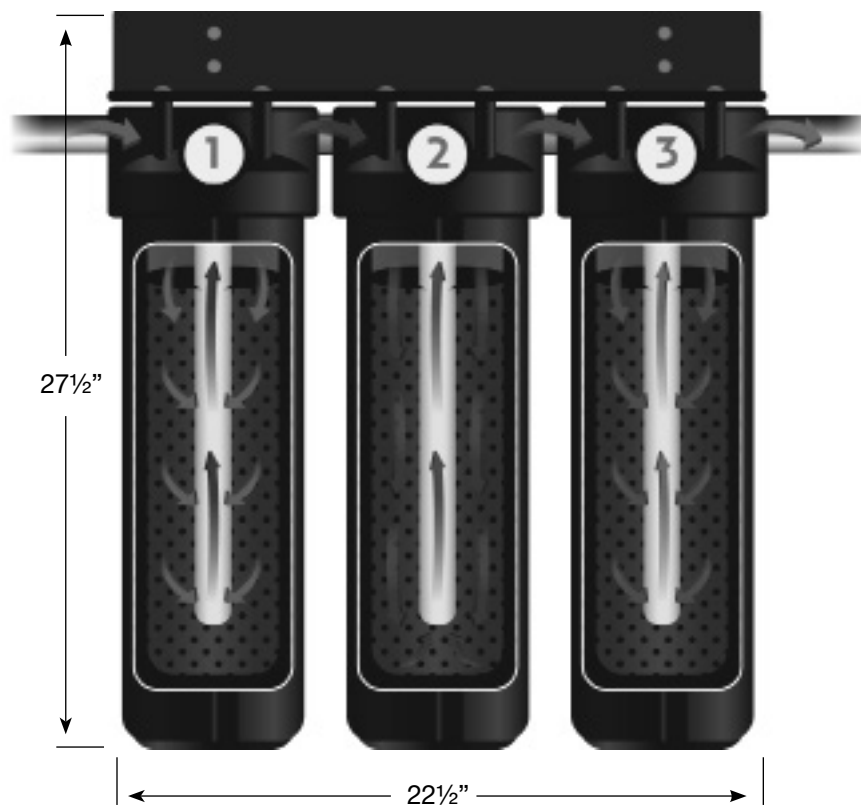
- » You must first decide how to run in and out pipes to the filter. Look at the house main water pipe at the point where you will connect the filter. Is the pipe soldered copper, plastic or threaded brass/galvanized? What is the pipe size?
- » Determine the direction of the water flow in the home, then turn off incoming water supply valve. Plumb the incoming water line into the side marked "IN". Plumb the line leaving the filter into the side marked "OUT".

Before Starting Installation (Cont'd)

PRODUCT INSTALLATION SEQUENCE



CARTRIDGE SEQUENCE



1. Sediment Cartridge

Removes dirt and sediment particles down to 5 microns in size.

2. Unique Granular Carbon Cartridge

Removes chloramines and reduces many remaining contaminants.

3. High Performance Carbon Cartridge

Removes chlorine and reduces many pesticides, herbicides, THMs, VOCs and more.

Installation Instructions

IMPORTANT: Toxin Shield Cartridge System is pre-assembled for water to enter on the left and exit on the right (as you face the unit). If your water enters from the right, the filter caps need to be removed from the bracket, and the 3-piece cartridge cap reversed, such that water enters on the right and exits on the left. The sequence of the cartridges is critical to the operation of the system, and will differ with the water flow direction. The proper sequence is:

1. Sediment cartridge
2. Unique Granular Carbon cartridge
3. High Performance Carbon cartridge

1) Find a suitable location where the filter can be securely mounted to a wall.

Note: Completed system with water weighs in excess of 75 lbs. MUST be securely mounted into wall studs.

2) Shut the water supply off, draining water from the plumbing, and cut the plumbing to the correct length.

3) A shutoff valve (not included) should be installed before and after the filter, for convenience when changing filter cartridges.

4) Install the filter bracket on the wall (inspect for hidden electrical or plumbing lines), insert cartridges into housings in the correct order, and install the housing, **use caution to ensure the O-rings are in place.** (You may need to use Food Grade Lubricant for threads.)

System Start-Up *(After installation is complete)*

1) Open two faucets inside the home.

2) Open the shutoff valve located after the filter.

3) Open the shutoff valve located before the filter, and open the home water service valve SLOWLY.

4) Let water run until air is cleared from the lines and the water runs clear.

5) Close the two faucets inside the home.

6) Check installation for leaks.

Troubleshooting

Problem	Possible Cause	Solution
Reduced Water Flow or Pressure	Filter cartridges reaching capacity	Replace filter cartridges
	Service flow rate exceeds recommended flow rate	Consider installing 2nd TSC in parallel
Quality of Water Decreasing	Filter cartridges reaching capacity	Replace filter cartridges

Limited Warranty

EasyWater, Fishers, IN warrants this EasyWater Toxin Shield Cartridge System (referred to as Filter) as stated herein:

From the date of installation, within the warranty period described below, we will repair or replace any part which we find defective because of faulty materials or workmanship. You pay only freight to our factory and local labor charges.

- One year on all components, excluding filter cartridges

Damage to any part of Filter because of misuse, misapplication, neglect, alteration, accident, installation or operation contrary to printed instructions, or damage caused by an act of terrorism or any unusual force of nature such as, but not limited to, freezing, flood, hurricane, tornado or earthquake is not covered by this warranty. In all cases, regular parts and service charges will apply.

We assume no warranty liability in connection with this Filter other than specified herein. This warranty is in lieu of all other warranties, express or implied, including warranties of fitness for a particular purpose. We do not authorize any person or representative to assume for us any other obligations on the sale of this filter.

Should a defect or malfunction occur, contact your EasyWater Authorized Partner Dealer. If you are unable to contact your EasyWater Authorized Partner Dealer, contact EasyWater, at (888) 766-7258 or via email at info@easywater.com. We will repair or replace the part at no cost if our repair department determines it to be defective under the terms of the warranty.

Feed water quality must meet the requirements for this system on an ongoing basis in order for this warranty to be valid.

This warranty is valid for the original purchaser only and gives you specific legal rights. You may have other rights which vary from state to state.

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