

# Safety Zone Water® Systems with backwashing valve for SALT-FREE Whole House Water Treatment.

## Looking for an alternative to a conventional water softener?

Check out our no salt water treatment system and get two water treatments for one affordable price!

### Here's what you get:

1. Whole house filter with Catalytic carbon and KDF to remove Chlorine, Chloramines, taste, odors, heavy metals and harmful chemicals.
2. No-salt, scale inhibitor to protect your plumbing and expensive appliances, by preventing scale formation.
3. No salt! Simply filtered water from every faucet in your home!

## How it works!

### Step A

The water treatment process starts in the top of our filter / conditioning tank, where, your water is treated with our KDF filter media, designed to enhance the performance of the activated carbon, remove heavy metals and protect the carbon bed from bacterial growth.

### Step B

Next, harmful impurities are removed or reduced using our NSF certified Catalytic coconut shell activated carbon to provide filtered water from every faucet in your home.

### Removes

- Harmful chemicals
- VOCs
- Heavy metals
- Chlorine & Chloramines
- Bad tastes
- Foul odors
- Inhibits bacterial growth

### Step C

The final water conditioning treatment process occurs in the bottom part of the tank, where our special scale and rust inhibitor prevents hard water scale formation by placing a passive coating on pipes and wetted surfaces.

No salt and no need to buy bottled water with Safety Zone Salt-Free water systems!



### Model Numbers

Model Number	Tank
SZ-SFWCF-150-A	10x54
SZ-SFWCF-150-A-J	10X54 (with jacket)

### Specifications

Flow rate	15 GPM
Pipe sizes	¾", 1" and 1.5"
Tank	10x54
Electrical	120 V / 60 Hz
Use	City water
Media	NSF certified, 61
Carbon	NSF certified, 61
Pressure	125 PSI Max.

System above shown with protective tank jacket.

# Installation

The Safety Zone Salt-Free scale inhibitor and whole house filter (Model number SZ-SFWCF-150-A) comes with our automatic backwashing control valve. This system is recommended for city water applications.

With this model, the activated carbon filtration media is automatically backwashed routinely for optimum performance. However, electrical power and a drain for backwashing is necessary.

## Installation procedures

1. Locate the main water line, and install the unit before the water heater and near a 110 volt power source (for automatic models).
2. Determine where the drain is to be located and install the drain using  $\frac{1}{2}$ ",  $\frac{3}{4}$ " or 1" PVC.
3. Close inlet and outlet on the valve.
4. Valves have been programmed. Check settings for your application.
5. Put the valve into a manual regeneration to make sure the cycles are functioning correctly. (Press the SET button for five seconds and the process will start.
6. This will start you up in **backwash**.
7. Open the inlet slowly. Once water runs to drain, open the inlet fully.
8. **Continue backwash until the drain water runs clear.**  
(This may take some time.)  
Press SET button again to advance to the next cycle (rinse).  
Check again to see if the water is running clear.  
Press SET button again to advance to service.
9. When the valve goes into service, open outlet on the valve to supply water to the house.

## Outdoor installations

For outdoor installations a weather cover is required. (P/N WC-SS-W.) Also, be sure to protect the power plug from rain and moisture by using a weatherproof electrical box. (See right).



## Limited warranty

Safety Zone Salt Free systems come with a limited warranty, including five years on valves and ten years on tanks. See warranty for full details.

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