

SAFETY ZONE WATER® INSTALLATION INSTRUCTIONS FOR BACKWASHING FILTERS USING ELECTRONIC CONTROL VALVES.

Systems used for:

- Whole house filters to remove Chlorine, Chloramines, harmful chemicals, tastes & odors.
- Salt free systems to inhibit scale formation and provide whole house filtration to improve water quality.
- Sediment filters.
- Acid neutralizers.

Installation procedures

1. Locate the main water line, and install the unit before the water heater and near a 110 volt power source. (A pipe fitting kit is included.)
2. Determine where the drain is to be located and install the drain. (Typically, 3 / 4" PVC is used with residential water filters.)
3. By-pass valve should be closed at start-up.
4. Plug power cord into a 110 volt electrical outlet.

Notes: Drain water cannot be restricted, since drain water must be free flowing. Do not run drain more than four feet above the unit.



By-Pass Included.
To isolate the unit if necessary.



Pipe Fitting Kit Included.
3 / 4" / 1" slip.
(Other options available.)



Valve Options
1", 1.5" and 2" valves are available.



SZ-SFWCF-150-J
Scale inhibitor & whole house filter with automatic valve and tank jacket.



Weather Covers
Required Outdoors.



Weatherproof outlet.

Outdoor installations

Electrical components are not covered under our limited warranty in outdoor installations if weather covers are not used, the electrical connections are not shielded from the weather and when systems are powered by an extension cord.



Prior to start up

Prior to start up, the unit is properly installed, your drain is constructed, 110 volt power is supplied to the system and the by-pass is closed.

Tech support call: 352-492-9516. (Please read our instructions prior to calling.)

START-UP PROCEDURES FOR BACKWASHING FILTERS USING ELECTRONIC CONTROL VALVES.

Test strips
TS-3



Deluxe Field Test Kits:

Deluxe: DFTK
Mini Deluxe: MDFTK

IMPORTANT: Be sure to test the water to know what equipment to recommend.

To start-up your filter an initial backwash and rinse is absolutely essential!



Filter Valve

First, become familiar with our electronic backwashing valve

Our electronic filter valves perform three cycles, including backwash, rinse and service. The backwash frequency is set to occur every four days. The backwash time is factory set at 12:00 AM (midnight). (See valve manual to adjust backwash time or backwash frequency if necessary.)

Backwash duration is factory set at ten minutes for backwash and 6 minutes for rinse. (See valve manual to make duration adjustments.)

Time of Day



Press and hold **SET** button until hour blinks. Arrow up or down to set hour. Press **SET** to adjust minutes. Adjust minutes and press **SET** to exit. Keep in mind the clock is a 12 hour clock. If arrow on the face plate points to time, this is AM. If arrow points to PM, this is PM. Note: If arrow is blinking on REGEN, this means unit will backwash tonight.

Before start-up, build your drain

3 / 4" PVC is recommended for your drain. Drain water must be free flowing. Do not restrict!

Start-Up

With the valve's inlet & outlet closed, initiate a manual backwash / rinse and follow these directions:

1. Press   together and hold buttons for 3 seconds to go into an immediate backwash.
2. Let the valve advance to BACKWASH.
3. In BACKWASH open valve's inlet slowly to fill the mineral tank.
4. Allow air to escape (listen until spurting stops).
5. When water flows from drain, open inlet valve fully.
6. Make sure drain line is not restricted. **Continue backwash until water runs clear.**
7. Press **ARROW DOWN BUTTON** to advance to rinse. Again, make sure the rinse water is clear.
8. Press **ARROW DOWN BUTTON** to advance to service.

Finally . . .

1. Open the valve's outlet to supply water to the house.
2. Open a faucet to see if water runs clear.
3. Shut off faucet.

Troubleshooting Hint:

If customers complain their water is cloudy or has odors, scrutinize your drain water flow, backwash frequency and backwash duration.



Drain Water
Must Be Free
Flowing

Final Step

Give your customer an orientation, and explain how the system works.

Note: These instructions are for installers. (Call backs may result if homeowners make unnecessary adjustments.)