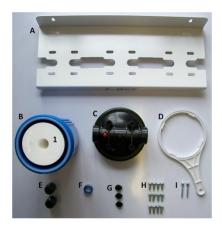


# **Installation, Use & Care Guide**

## Parts Included for each housing



- A. Mounting Bracket
- **B.** Housing(s) with Pressure Relieve
- C. Housing Wrench
- **D.** 2 Connection Nipples
- E. Teflon® Tape
- F. Silicone
- G. Lag Bolts
- H. Wall Mount Screws

### **Tools Needed**

- Level
- Pencil
- 1/2" Nut Driver
- 7/16' Nut Driver

## **Installation Requirements**

- Install the system between the pressure tank and the house. The system should be located after connection to the outside hose bibs, sprinkler system(s), and/or irrigation line(s). <u>Do not use</u> with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Install in a location that is not susceptible to freezing temperatures as damage to the housings can occur. Install away from direct sunlight as prolonged exposure to ultra violet light can weaken plastic components.
- The system needs to be mounted to a solid surface for use and safety.
- If your water pressure exceeds 70 psi, a pressure regular must be installed and set at 70 psi or less.
- An optional bypass with additional shutoff valve(s) is recommended for convenience when changing your filters or needing to preserve filter life when using outdoor irrigation.

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#### **Installation Instructions**

Use your bracket, pencil, and level to locate and mark your two wall mount locations. Remove the housing lids from the housings and line them up from 1 to 3, inlet to outlet, keeping the pressure red release buttons all on the same side, right or left (See Figure 1). The system can be set up left to right or right to left depending on the direction of the water's flow path.

- 1. In any system make sure the first filter is your pre filter.
- 2. If you have an LSX filter for hard water make sure that filter is after your purification filters.

Use the Teflon® Tape provided to wrap each end of the two nipples in a clockwise direction overlapping the tape 5 to 6 times (See Figure 2). Thread the taped nipples into the housing lids until tight (See Figure 1). Mount the housing lids to the bracket with the lag bolts provided (See Figure 3). Mount the bracket to your marked location using the wall mount screws provided.





Figure 1

Figure 2

#### Connection Instructions

- 3. Installation of water shutoff valve at the unit is recommended for filter changes and for emergency shut off of water
- **4.** Turn off water supply. Turning off your water heater is recommended.
- **5.** Release water pressure by opening a faucet.
- **6.** Attach water source to the inlet. Existing inlet pipe size smaller or greater than 1" will require an additional adapter.
- 7. Attach outlet. Existing outlet pipe size smaller or greater than 1" will require an additional adapter.
- 8. Remove the plastic wrappings from the filters and place the housings in line with your bracket
- **9.** Using your finger, lubricate the surface of the O-ring on each housing with silicon grease provided in caps. **NOTE:** *This step is important to ensure a proper housing seal.*
- 10. Thread each housing onto its lid and hand-tighten. Use wrench to make snug.
- 11. Close open faucet. You may now turn your water on. Go slowly and check for leaks.

  NOTE: The 3<sup>rd</sup> filter contains carbon fines (very fine black powder). Once the filter is saturated with water and water is ran through it for just a few minutes, the gray color in the water will disappear.
- 12. Turn your hot water heater on.



## Filter Replacement Guide

Note: Limescale filters -LSX

- 1) Unscrew the top of the canister- 2) lift off the upper foam pad 3) Empty the LSX media granular crystals-4) replace the foam pad
- If pressure loss is noticed, the pre-filter may need to be replaced. This may need to be replaced more frequently than the other filters. This removes sediment to improve and protect the efficacy of the other filters.
- Changes in the taste, odor and/or color of the water indicates it is time to change other filters.
- **1.** Turn off water supply or use bypass valve.
- 2. Open a cold water faucet until water stops running. Leave faucet open.
- 3. Press red pressure-relief buttons on top of each filter housing.
- **4.** Place a water receptacle under the unit. i.e. A bucket or a pan.
- **5.** Use filter wrench, turning wrench to the left, to unscrew housing from lid (See Figure 1). Please note that they will weigh approximately 6-12 lbs. each.
- **6.** Remove bottom of housings by lowering straight down.
- **7.** Remove used filters from housings by placing your thumb in the center and your fingers on the outside of the insert (See Figure 2).
- **8.** Empty the water into your receptacle.
- 9. Use a blunt edge. i.e. butter knife or flathead screwdriver to remove large O-rings and wipe clean.
- **10.** Add enough water to fill the Housing 1/3 full. Add approximately 2 tablespoons of bleach and clean the top head and bottom of the housing with a clean cloth. After cleaning rinse thoroughly to remove the bleach.
- **11.** Use your finger to liberally apply additional silicone grease provided to the surface of each O-ring. (See Figure 3).

**NOTE:** This step is important to ensure a proper housing seal.

Unpack the filters and remove the plastic.

- 12. Insert the new filters into the housings top up. The top is where the grommet is.
- 13. The housings and their filters need to remain in line -1<sup>st</sup> prefilter then other filter in sequence.
- 14. Place housings, one at a time, level up to housing lids. Turn them to the right and hand tighten.
- 15. Use filter wrench until snug. DO NOT OVERTIGHTEN.
- **16.** Press the pressure relief button on top to release any trapped air.
- 17. Slowly turn your main water feedback on until water returns to your open faucet.
- 18. Check for leaks.
- 19. Turn on the nearest faucet and flush the system for 20-30 minutes.

**NOTE:** A carbon cartridge may contain carbon fines (very fine black powder). After installation, flush cartridges for 5 minutes before using the water







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