



# GW7 Whole-House Water Solution Installation Guide

## Structured Water Filter

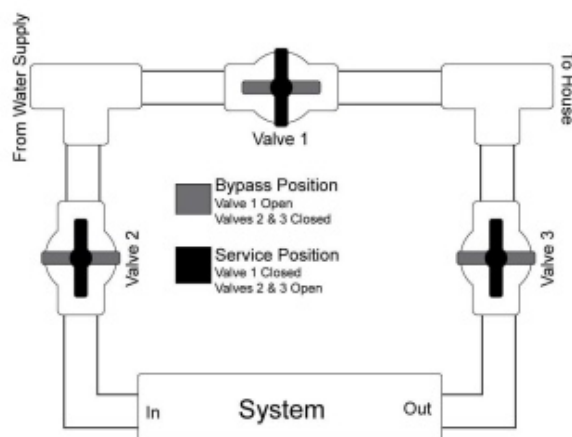
Featuring Our Multi Round Filter And The Quad Flow Water Vortexor and Energizer





## GW7 Typical Installation

Check and comply with your state and local building codes. Any modifications to your current plumbing system should be referred to a qualified plumber. Installing a bypass valve is recommended.



***When installing the Multi-Round Filter Housing and Quad Flow Structuring Unit with other water treatment appliances, please contact Greenfield Naturals prior to installation.***

### ***Quad Flow Installation***

The Quad Flow is designed to sit on the floor and is to be installed in series with the stainless steel multi-round housing after the stainless multi-round housing.

The Quad Flow is bi-directional. Water can flow either way through the unit.

Insure shut-off valves are in place before and after stainless steel filter housing and the Quad Flow.

Stainless steel flex connector hoses\* or a comparable flexible connection are required for attaching to the water supply. These hoses contain gaskets allowing for an easy seal. Tighten by hand plus 1/4 turn with wrench. Be careful not to cross thread or over tighten fittings when connecting flex hoses to the Quad Flow unit.

***\*Using rigid, immovable inlet/outlet water supply lines for the Quad Flow will void the warranty. The inlet and outlet lines need to be flexible to avoid excessive stress on the PVC fittings causing them to crack over time.***

### **Multi-Round Filter Housing Installation**

1. Multi Round filter housing inlet and outlet are labeled. Water enters the top chamber and flows through the filter cartridges into the lower chamber to the outlet.
2. Stainless Steel Flex Connectors are recommended but copper, PEX or PVC may be used. The filter housing is outfitted with 1” male NPT threaded inlet and outlet. For 3/4” connections, reducer fittings will be needed to connect to the inlet and outlet ports.
3. Remove lid ring clamp and top plate from housing. Remove and take inventory of parts inside the housing:
  - Seven spring caps

- Bleeder valve with pressure gauge

- Threaded Spigot
- Threaded plug
- V-posts
- Threaded rods
- Flat round metal interior plate
- Seven AquaMetix filters

4. Ensure v-posts are securely inserted into base of filter housing. The v-posts are guides for inserting filter cartridges into place.

5. Ensure threaded rods used to hold round top plate are securely screwed into the base of the housing.

6. Remove plastic wrapping from filters and confirm that gaskets are in place on both ends of each filter.

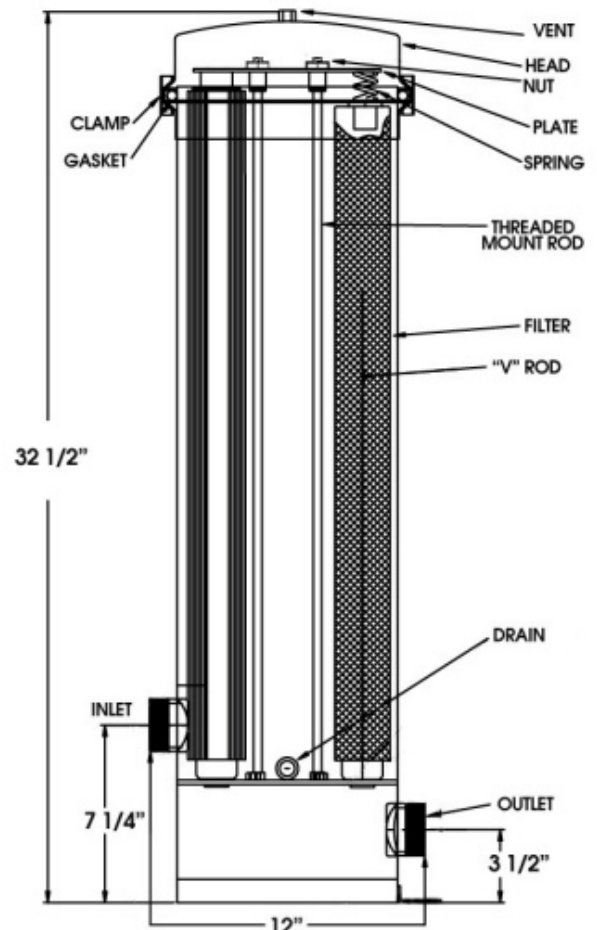
7. Carefully slide each AquaMetix filter cartridge onto each v-post. Do not use excessive force to avoid damage to filter cartridges.

8. Insert spring loaded caps onto the top end cap of each filter. Solid end of spring loaded cap is designed to fit inside the top end of each AquaMetix filter to hold it in place and to create a water tight seal.

9. Align top plate with threaded rod and spring caps and tighten wing nut securely.

10. Check gasket each time lid is replaced to make sure it is not worn or damaged. Apply silicone lubricant to o-ring each time filters are replaced.

11. Align and attach the lid and secure with t-clamp. Tighten clamp hand tight while repeatedly and lightly tapping the full circumference of the bracket with a wood block or rubber mallet and then use a wrench on the wing nut to tighten securely. (If



*having issues with the clamp or lid seal, please review instructional videos at the bottom of the video page on [greenfieldwater.com](http://greenfieldwater.com)).*

12. Securely screw bleed off valve with pressure gauge into place onto lid of housing using teflon tape. Securely screw the 1/2" NPT 1/4 turn water spigot and threaded plug into openings at the base of the housing. Use teflon tape on threads with pipe dope.

13. After the water supply line have been attached, open the bleeder valve on lid and slowly fill with water shutting off the bleeder valve only after all air has been expelled from the housing and a steady stream of water is flowing out of the bleeder valve.

14. After the filter housing is filled with water, allow the filters to soak for twenty minutes before turning water on again.

After 20 minutes, flush the plumbing for five minutes to remove filter residue from plumbing. The mineral residue is food safe and harmless.

15. Check for leaks.

16. The multi-round filter housing is now operational.

### **AquaMetix Filter Cartridge Change-Out (Occurs approximately once yearly)**

1. Close water supply inlet and outlet valves.

2. Open hose bib at base of the filter housing using a garden hose and bucket to capture water. Drain just enough water to insure water doesn't slosh over the housing water when removing filter cartridges.

3. Loosen cover clamp nut and remove T-bolt from retainer ring. Remove cover clamp and lid. *(Do not attempt to remove cover without first releasing pressure from the housing).*

4. Remove wing nut holding top plate which holds the filters in place.

5. Have a plastic 5 gallon bucket available for spent filters. Remove all spent cartridges and carefully install new filter cartridges insuring rubber gaskets are in place.

7. Align and attach the lid and secure with t-clamp. Tighten clamp hand tight, and tap on clamp with a wood block the full circumference of the bracket and then use a wrench on the wing nut to tighten securely. (see video on website video page for a visual).

8. Open inlet valve slowly. Have towel available and keep bleeder open until a steady stream of liquid comes out of vent. Close bleeder valve. Check for leaks. If leaks appear, close inlet valve, relieve pressure by opening drain and repeat steps above.

**For assistance with installation or operation, call or email.**

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