



Quantum Hydro Whole Home Structured Water Filter

Installation and Operating Manual



The Quantum Hydro configuration may vary with each installation.

DISCLAIMER:

Please be advised that Greenfield Water is not responsible for any additional charges that may be incurred due to the failure to detect missing or damaged parts before the plumber's scheduled service. It is the customer's responsibility to verify the completeness and condition of all items upon receipt. This verification step is crucial to avoid unnecessary costs and delays. Should there be any discrepancies, it is imperative to report them to us immediately using the provided contact information. By not performing a thorough inspection before the plumber's arrival, the customer agrees to bear any additional costs associated with the procurement and installation of replacement parts.

IMPORTANT!
READ THIS ENTIRE BOOKLET BEFORE
BEGINNING INSTALLATION!

INTRODUCTION

Congratulations on your purchase of the Quantum Hydro Structured Water Filter. Greenfield Water Solutions is dedicated to providing the best in whole house water filtration. Enjoy structured, energized, filtered, mineralized water from every tap in your home.

SPECIFICATIONS

- Dimensions: 24 1/2"L x 8"W x 33 1/2"H
- Add-on Components: Spin Down Sediment Filter, Copper Vortexer, optional Turbo Descaler
- Working Pressures: Up to 70 psi
- Flow Rate: Up to 20 gpm
- Sediment Filter Level: 50/1 micron
- Operating Temperature: Cold water supply line only

LOCATION

Install the Quantum Hydro filtration system close to a drain or, if unavailable, use a five-gallon bucket for manual flush of the Spin Down Sediment Filter, which should be installed before the 3-stage filter array.

For installation or operation questions please call or text 208-462-0626

THIS MANUAL INCLUDES INSTALLATION INSTRUCTIONS FOR:

- **Spin Down Sediment Filter** attach hose to either a drain **or have a 5 gallon bucket available to use when flushing.**
- **Three-Stage Filter Housing**
- **Gauges**

For information on the Turbo Descaler, please refer to the specific manual included in its package.

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Parts List

Box 1: Spin down filter with hose and clamp. shown right



Box 1: White metal filter bracket, three 4.5 x 20 filters, Copper Vortexer/copper clamps, flex hose to attach Copper Vortexer to outlet of filter housing. Optional: Turbo Descaler (shown below)

Box 1: Screws for filter housing bracket, drain valves for each filter sump, 3/4" x 1" reducer coupler for inlet/outlet, teflon tape. (shown below)



Parts List (continued)

Box 2: Three Stage Filter Housing



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INSTALLATION

Installing the Spin Down Sediment Filter

1. Attach the Spin Down Filter to the inlet side of the Quantum Hydro system.
2. Attach the hose to Spin Down filter using the provided clamp.
3. Secure the white metal filter bracket to a stable surface.
4. Use Teflon tape on all threaded connections to ensure a leak-proof seal.
5. Connect the inlet and outlet using the 3/4" x 1" reducer coupler. Ensure all connections are secure but **do not over-tighten.**

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(INSTALLATION CONTINUED)

Installing Three Stage Filter Housing

1. Mount the Three Stage Filter Housing using the provided screws.
2. Attach the bi-directional Copper Vortexer to the outlet of the filter housing with the provided flex hose and copper clamps.
3. Install the optional Turbo Descaler according to the included manufacturer's instructions.

Installing Gauges

1. Wrap Teflon tape 2-3 times around the gauge threads (do not exceed 3 wraps).
2. Install gauges in the numbered holes on the INLET SIDE for 3-stage systems (positions 1, 2, 4, & 6) replacing the brass screws.
3. Ensure gauges are snug but only hand tighten. Check for leaks upon system start-up. If leaks are present, tighten gauges slightly (one rotation max).

Blue O Rings come pre-lubricated - there is no need to lubricate again until your annual replacement of filters.

>>> Ensure all connections are secure and leak-free before full operation. Regular maintenance, including flushing the Spin Down Sediment Filter and checking the system for leaks or damage, will ensure optimal performance. <<<

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Flushing the Spin Down Filter

1. To flush the Spin Down Sediment Filter, open the flush valve at the bottom of the filter.

This can be directed into a drain or a bucket if a drain is not available.

2. Loss of pressure is an indication of the need to flush the Spin Down and/or to rinse and clean the sediment filter cartridge.

Purging Valves

1. The Purge Valves (blue with shut-off) are located at the bottom of each Filter

Housing. These should be opened to purge water when changing filters.

2. Leave enough space at installation to ensure easy access to the filter sumps for filter replacement.

Replacing Filters

- SEDIMENT FILTER: Yearly or as needed – Washable with autoflush feature – \$25.00
- ELECTRO-POSITIVE FILTER: Yearly/As Needed replacement – \$387.00
- PHA PRE-FILTER: Yearly/As needed replacement – \$215.00
- CARBON-ZVI FILTER: Yearly replacement – \$140.00
- TURBO-DESCALER– No maintenance required – replacement every 10-15 years.
- VORTEXER/ENERGIZER: No maintenance – never needs replacing – Lifetime Warranty
- Replacement filters can be purchased in a bundle on our website.

For installation or operation questions please call or text 208-462-0626

Conclusion

This manual provides a basic overview of the installation and operation of the Quantum Hydro Structured Water Filter system. It is important to follow these instructions closely and contact Greenfield Water Solutions with any questions or concerns. Proper installation and maintenance will ensure your family enjoys the benefits of structured, energized, and filtered water for years to come.



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