



GREENFIELD
WATER SOLUTIONS

NomadGuard XL

Whole RV 3-Stage 10x4.5" Filter System with Vortexer/Energizer

INSTALLATION GUIDE



Introduction

Thank you for choosing the NomadGuardXL Whole RV 3-stage 10x4.5" filter system with a vortexer/energizer. This system is designed to provide filtered, structured water for your RV's shower and sink by connecting directly to the main RV water line. Follow this manual carefully to ensure proper installation and optimal performance.

Safety Precautions

- Ensure the RV is parked on a level surface before starting the installation.
- Turn off the main water supply to the RV before beginning installation.
- Release pressure from the water lines by opening the faucets.
- Handle all components with care to avoid damage.

IMPORTANT NOTE:

Please ensure all the necessary parts are included before beginning installation.
If anything is missing, call 208-462-0626.

Have questions about installing? Call or text us at 208-462-0626.

Tools and Materials Needed

- Adjustable wrench
- Pipe cutter
- Teflon tape
- Screwdrivers (flathead and Phillips)
- Bucket or container (to catch water)
- Marker or pencil
- SharkBite adapters (size depending on the RV's water lines)

System Components

- 3-stage filter system housing (with filters pre-installed)
- Vortexer/energizer unit (bidirectional)
- Flex connect
- 1" threaded connectors
- Installation manual

Note: Customers will need to purchase additional parts to secure the system to the floor or wall and any other necessary modification components.

Pre-Installation Checklist

- Verify that all components are present and undamaged.
- Check the RV's water pressure to ensure it is within the operating range of the filter system (40-60 psi).
- Determine the installation location, ensuring it is accessible and has enough space for maintenance.
- Determine the size of the RV's water lines to select the appropriate SharkBite adapters.

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Installation Steps:

Step 1: Select Installation Location

- Choose a location close to the main water line entering the RV.
- Ensure there is enough space to accommodate the filter housing and vortexer/energizer, allowing for easy filter replacement and maintenance.

Step 2: Turn Off Water Supply

- Turn off the main water supply to the RV.
- Open a faucet to release any remaining pressure in the lines.

Step 3: Cut the Water Line

- Use a pipe cutter to cut the main water line where the filter system will be installed.
- Be prepared to catch any water that may drain from the line with a bucket or container.

Step 4: Attach SharkBite Adapters

- Select the appropriate SharkBite adapters based on the size of the RV's water lines.
- Attach the SharkBite adapters to the cut ends of the main water line.

Step 5: Attach Connectors

- Wrap Teflon tape around the threads of the 1" connectors.
- Attach the connectors to the inlet and outlet ports of the filter housing using a wrench.

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Step 6: Prepare the Filter System

- Remove the plastic wrapping from the sumps.
- Insert the filters into the sumps.
- Attach the sumps to the filter housing lids.

Step 7: Connect the Water Line to Filter Housing

- Attach the inlet side of the filter housing to the main water line using the SharkBite adapters.
- Attach the outlet side of the filter housing to the flex connect.
- Use an adjustable wrench to tighten the connections, ensuring there are no leaks.

Step 8: Install the Vortexer/Energizer

- The vortexer/energizer will be attached to the bracket.
- Attach one end of the flex connect to the vortexer/energizer (note: the vortexer/energizer is bidirectional).
- Attach the other end of the flex connect to the outlet side of the filter housing.
- Secure the vortexer/energizer in place using the provided brackets on top of the filter system.
- Ensure the vortexer/energizer is securely held in place by the brackets.

Step 9: Connect the Water Line from Vortexer/Energizer to RV

- Attach the vortexer/energizer to the RV's water line leading to the shower and sink using SharkBite adapters (note: the vortexer/energizer is bidirectional).
- Use an adjustable wrench to tighten the connections, ensuring there are no leaks.

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Step 10: Turn On Water Supply

- Slowly turn on the main water supply to the RV.
- Check for leaks at all connection points.
- If leaks are detected, turn off the water supply and tighten the connections as needed.

Step 11: Flush the System

- Open a faucet and allow water to run through the filter system and vortexer/energizer for 5-10 minutes to flush out any air and carbon fines.
- Turn on a nearby water spigot to purge air out of the water line until water runs smoothly and all burping has stopped, then close the spigot and check for leaks again.

System Maintenance

- Replace the filter cartridges annually. Filter bundles can be purchased on our website at Greenfieldwater.com.
- Thoroughly clean the filter housings at each filter replacement interval to ensure optimal performance.
- The structuring/energizing device does not require any replacement or maintenance.

*Congratulations! Your NomadGuardXL System is now installed and operational.
Enjoy fresh, clean water on all your adventures!*

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