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RecPro RP-1091

RecPro RP-1091 RV Water Pump Silencer Hose Kit Instruction Manual

Model: RP-1091

1. INTRODUCTION

The RecPro RP-1091 RV Water Pump Silencer Hose Kit is designed to reduce noise and vibrations originating from your RV's fresh water pump. This kit creates a flexible loop in your water system, allowing water to stabilize before entering the main plumbing, thereby minimizing rattling and operational sounds. Its 36-inch length provides enhanced noise reduction compared to shorter alternatives. The components are NSF certified, ensuring safety for drinking water applications.

2. PRODUCT OVERVIEW

The RecPro RP-1091 kit includes a 36-inch flexible hose with 0.5-inch tubing, featuring female ends on both sides, and a threaded male-to-male adapter for connection. It is constructed from durable plastic and stainless steel, designed for longevity and reliable performance in RV plumbing systems.

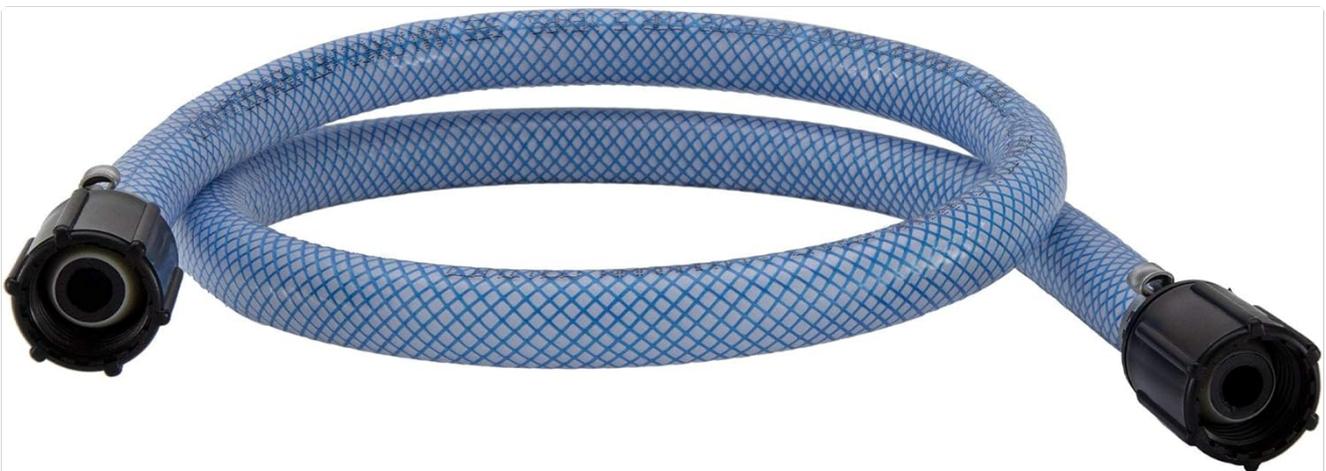
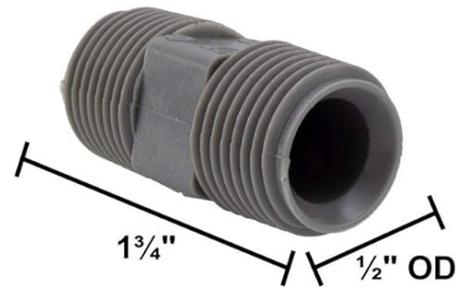


Figure 2.1: The RecPro RV Water Pump Silencer Hose Kit, showing the flexible blue-patterned hose with black female swivel fittings on each end.



RP-WP-SK *Water Pump* *Silencer Kit* *Measurements*



***Length of hoses 38 inches**

Figure 2.2: A diagram illustrating the dimensions of the RecPro RV Water Pump Silencer Hose Kit. The hose measures 38 inches in length, and the adapter is 1 3/4 inches long with a 1/2 inch outer diameter.

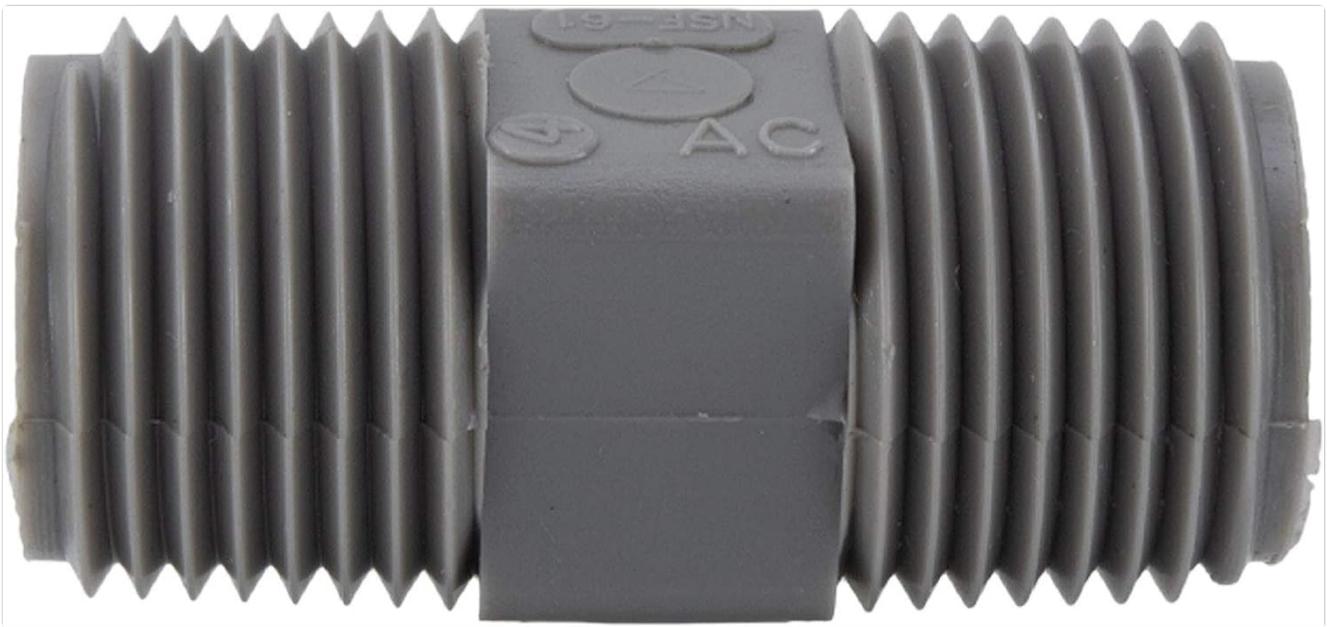


Figure 2.3: A close-up view of the gray threaded male-to-male adapter included in the kit, used for connecting the silencer hose to existing plumbing.

3. SPECIFICATIONS

Feature	Detail
Model Number	RP-1091
Length	36 inches
Tubing Diameter	0.5 inches
Maximum Working Pressure	150 PSI
Certifications	NSF Certified (Safe for drinking water)
End Connections	Two female swivel ends
Included Adapter	One threaded male-to-male adapter
Material	Plastic, Stainless Steel
Color	Blue (hose pattern)
Origin	Made in America

4. INSTALLATION GUIDE

The RecPro RV Water Pump Silencer Hose Kit is designed for straightforward installation. Follow these steps to integrate it into your RV's fresh water system:

- 1. Identify Water Pump Connections:** Locate your RV's fresh water pump. Identify the inlet (suction) and outlet (pressure) ports of the pump.
- 2. Disconnect Existing Hoses:** Carefully disconnect the existing hoses from both the inlet and outlet ports of your water pump. Ensure the water system is depressurized before disconnecting.

3. **Connect Silencer Hose to Pump:** Attach one female end of the 36-inch silencer hose to the outlet port of your water pump. Hand-tighten the connection to prevent leaks.
4. **Connect Male-to-Male Adapter:** If necessary, use the included male-to-male adapter to connect the other female end of the silencer hose to the existing plumbing line that leads into your RV's water system.
5. **Form the Loop:** Position the silencer hose to create a gentle loop. This loop is crucial for allowing water to settle and reduce vibrations before continuing through your plumbing. Avoid sharp bends or kinks in the hose.
6. **Secure Connections:** Ensure all connections are secure and hand-tight. You may use plumbing tape on threaded connections for an extra seal, though the swivel fittings are designed to seal effectively.
7. **Test for Leaks:** Once installed, repressurize your RV's water system and carefully check all new connections for any signs of leaks. Address any leaks immediately by tightening connections or reapplying seals.



Figure 4.1: A visual representation of the silencer hose connected to an RV water pump, demonstrating how the hose forms a loop to dampen vibrations.



Figure 4.2: A detailed view of one of the female swivel fittings on the silencer hose, designed for easy and secure connection to standard RV plumbing.



Figure 4.3: An image showing a secure hose connection, typically reinforced with a clamp, ensuring a tight seal in the plumbing system.

Installation Videos:

Video 4.1: This video demonstrates the flexibility and braided construction of clear PVC vinyl tubing, similar to the material used in the silencer hose, highlighting its durability and ease of handling during installation.

Video 4.2: This video illustrates the features and installation process of 1/2-inch FPT barb elbow and straight RV water pump fittings, providing insight into typical RV plumbing connections.

Video 4.3: This video showcases a 30-inch PVC water RV toilet supply line, demonstrating its flexibility and connection points, which can be helpful for understanding similar hose installations.

5. OPERATION

Once installed, the silencer hose operates passively within your RV's fresh water system. When the water pump activates, water flows through the silencer hose, which is designed to absorb and dissipate vibrations before they can transmit through the rigid plumbing lines. This results in a noticeable reduction in pump noise during operation. No additional user interaction is required for the silencer to function.

6. MAINTENANCE

The RecPro RV Water Pump Silencer Hose Kit requires minimal maintenance. Regular inspection is recommended to ensure optimal performance and prevent potential issues:

- **Visual Inspection:** Periodically check the hose and connections for any signs of wear, cracks, kinks, or leaks.
- **Connection Tightness:** Ensure all fittings remain hand-tight. Over-tightening can damage the plastic components.
- **Winterization:** During winterization of your RV's plumbing system, ensure that antifreeze is properly circulated through the silencer hose to prevent freezing and potential damage.
- **Cleaning:** If the hose or fittings become dirty, clean them with mild soap and water. Avoid harsh chemicals that could degrade the materials.

7. TROUBLESHOOTING

If you experience issues after installing the silencer hose, consider the following troubleshooting steps:

- **Increased Noise:** If pump noise increases, check for kinks in the silencer hose that might restrict water flow. Ensure the hose forms a gentle, unobstructed loop. Verify that the pump itself is securely mounted and not vibrating against other surfaces.
- **Leaks at Connections:** Check all connections for tightness. If leaks persist, disassemble the connection, inspect the rubber washers or O-rings for damage, and reassemble, ensuring proper alignment. Applying plumbing tape to threaded male adapters can also help.
- **Reduced Water Flow:** Ensure the silencer hose is not kinked or obstructed. Check the water pump's pre-filter for clogs, as this can affect overall water flow.

8. WARRANTY AND SUPPORT

Specific warranty information for the RecPro RP-1091 RV Water Pump Silencer Hose Kit is not provided in the product details. For warranty claims, technical support, or replacement parts, please contact RecPro customer service directly or refer to the product packaging for detailed contact information.