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## Magam RV Macerator Pump

# Magam 12V RV Macerator Pump User Manual

Model: RV Macerator Pump | Brand: Magam

## 1. INTRODUCTION

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Thank you for choosing the Magam 12V RV Macerator Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new macerator pump. Designed for RV, marine, and camping applications, this pump offers a quick-release sewage solution with fresh water rinse and manual crushing capabilities. Please read this manual thoroughly before use and retain it for future reference.

## 2. SAFETY INFORMATION

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- Always wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling sewage.
- Ensure the pump is securely connected to a stable 12V DC power source before operation.
- Do not operate the pump dry for extended periods, as this may cause damage.
- Verify all connections are tight and leak-free before starting the pump.
- Keep children and pets away from the operating area.
- Disconnect power before performing any maintenance or cleaning.

## 3. PACKAGE CONTENTS

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Please ensure all items are present before proceeding with installation:

- Magam 12V RV Macerator Pump
- Garden Hose Discharge Port Adapter
- Power Cables (with battery clips and/or cigarette lighter adapter)
- Clear Hose Section (for visual inspection)
- Hose Clamps
- Instruction Manual

## 4. SETUP

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Follow these steps to set up your Magam Macerator Pump:

1. **Connect to RV Waste Outlet:** Attach the macerator pump directly to your RV's standard 3-inch waste outlet. Ensure a secure, leak-proof connection.
2. **Connect Discharge Hose:** Connect a suitable discharge hose (e.g., a 3/4-inch garden hose) to the pump's discharge port. Use the provided clear hose section and clamps for visual confirmation of flow.
3. **Connect Rinse Water Hose:** Attach a fresh water hose to the dedicated rinse port on the pump. This allows for cleaning the pump and the RV's waste tanks after dumping. The rinse port features a switch rotary button to control water flow.
4. **Power Connection:** Connect the pump to a 12V DC power source. Use either the provided battery clips for direct connection to an RV battery or the cigarette lighter adapter for compatible outlets. Ensure correct polarity (red to positive, black to negative).



Image: Magam RV Macerator Pump connected to an RV waste outlet, showing the discharge hose and rinse water connection.



Image: Detailed diagram illustrating the six steps for setting up the macerator pump, including hose and power connections.



Image: Illustration of power connection options: via car cigarette lighter or direct to a 12V battery using alligator clips.

## 5. OPERATING INSTRUCTIONS

Once the pump is properly set up, follow these steps for operation:

1. **Open RV Waste Valve:** Ensure the RV's black tank valve is open to allow waste to flow into the macerator pump.
2. **Activate Pump:** Turn on the macerator pump using the inline switch on the power cable. The pump's double four-leaf blades will crush solid waste into small particles for easy discharge.
3. **Monitor Discharge:** Observe the clear hose section to ensure waste is being effectively pumped through the discharge hose. The pump can empty 150L of wastewater within 5 minutes and pump up to 10 feet of lift.
4. **Rinse Tanks:** Once the black tank is empty, close the RV waste valve. Open the fresh water rinse valve on the pump and turn on the fresh water supply to flush out any remaining residue from the pump and the RV's tanks. Continue until the water flowing through the clear hose runs clean.
5. **Deactivate Pump:** Turn off the macerator pump and then the fresh water supply.
6. **Disconnect:** Disconnect the discharge hose, rinse hose, and power supply.

Your browser does not support the video tag.

*Video: Demonstration of the Magam 12V RV Macerator Pump in operation, showing the waste discharge process.*

Your browser does not support the video tag.

*Video: A short clip showcasing the Magam 12V RV Macerator Pump in action, highlighting its efficiency.*

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your macerator pump:

- **Rinse After Each Use:** Always use the fresh water rinse function after each dumping cycle to prevent buildup and clogs within the pump and hoses.
- **Inspect Connections:** Periodically check all hose and power connections for wear, damage, or leaks. Replace any compromised components immediately.
- **Clean Exterior:** Wipe down the exterior of the pump with a damp cloth to remove dirt and debris.
- **Winterization:** In freezing temperatures, ensure the pump is completely drained of water to prevent damage from ice expansion. Disconnect hoses and run the pump briefly to expel any remaining water, or use RV antifreeze.

## 7. TROUBLESHOOTING

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If you encounter issues with your Magam Macerator Pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump not starting	No power, loose connection, faulty switch	Check power source, ensure connections are secure, test inline switch.
Low flow or no flow	Clogged intake/discharge, kinked hose, low voltage	Inspect hoses for kinks or clogs, clear any obstructions, verify 12V power supply.
Leaking connections	Loose clamps, damaged O-rings or gaskets	Tighten hose clamps, inspect and replace O-rings/gaskets as needed.
Motor hums but blades don't spin	Impeller jammed by foreign object	Disconnect power, carefully inspect the impeller area for obstructions and remove them.

If the problem persists after attempting these solutions, please contact Magam customer support.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Magam
Model Number	RV Macerator Pump
Voltage	12 Volts (DC)
Maximum Flow Rate	12 Gallons Per Minute (45 LPM)
Maximum Lifting Height	10 Feet
Pressure Setting	15 PSI
Power	144W
Material	Copper
Product Dimensions (L x W x H)	5.9" x 4.5" x 12.6"
Item Weight	3.09 Kilograms
Duty Cycle	Intermittent

## 9. WARRANTY AND SUPPORT

Magam stands behind the quality of its products. The RV Macerator Pump comes with a **3-Year Warranty** and a **90-Day Worry-free Refund** policy.

For technical assistance, warranty claims, or any product-related inquiries, please contact Magam customer support through the retailer's platform or visit the official Magam website for contact details. Please have your model number and purchase date available when contacting support.