

novorik Macerator Pump123

novorik 700W Macerator Pump Instruction Manual

Model: Macerator Pump123

1. INTRODUCTION

Thank you for choosing the novorik 700W Macerator Pump. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new macerator pump. This system is designed to handle waste water from various fixtures, including toilets, sinks, showers, bathtubs, and washing machines, making it ideal for basement upflush systems or areas below the main sewer line.

The novorik macerator pump features flexible installation options with multiple inlets, a powerful pure copper motor, automatic and manual drainage functions, and a compact design for versatile placement.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before installation and operation to prevent injury or damage to the product.

- **Electrical Safety:** Ensure the pump is connected to a properly grounded electrical outlet. It is highly recommended to use a Ground Fault Circuit Interrupter (GFCI) outlet to prevent electrical hazards. Disconnect power before performing any maintenance or service.
- **Water Temperature:** The pump is designed to handle water temperatures up to 194°F (90°C). Do not exceed this temperature to avoid damage to the motor and internal components.
- **Waterproof Rating:** The pump has an IPX4 waterproof rating, meaning it is protected against splashing water. It is not recommended to rinse the unit directly with water or submerge it.
- **Installation Environment:** Install the pump in a well-ventilated area. Ensure all connections are secure and leak-free to prevent water damage.
- **Authorized Service:** Do not attempt to repair the pump yourself. Refer all servicing to qualified personnel.

3. PACKING LIST

Verify that all components are present before beginning installation.



A comprehensive list of all components included with the macerator pump, along with its dimensions: 18.8 inches (L) x 8.6 inches (W) x 14.5 inches (H).

- Macerator Pump Unit
- Rubber Ring
- Elbow
- Check Valve
- Hose (x4)
- Activated Carbon (x1)
- Hose Clamp (90-110mm) (x1)
- Hose Clamp (110-120mm) (x1)
- Hose Clamp (40-60mm) (x2)
- Hose Clamp (32-50mm) (x8)
- Lid (x1)

4. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model	Macerator Pump123
Wattage	700W
Voltage	120 Volts
Maximum Flow Rate	47.55 Gallons Per Minute (2853 GPH)
Maximum Lifting Height	23 Feet (7 meters)
Noise Level	Below 45dB
Waterproof Rating	IPX4
Maximum Water Temperature	194°F (90°C)
Product Dimensions (L x W x H)	13" x 7" x 10" (33cm x 17.8cm x 25.4cm)
Item Weight	12.54 pounds (5.7 Kilograms)
Material	Copper motor, Plastic



This diagram illustrates the water flow through the 700W macerator pump, highlighting its capacity of 2853 Gallons Per Hour, a vertical lift of 29.5 feet, IPX4 waterproof rating, and a low noise level of 45dB.

5. INSTALLATION AND SETUP

The novorik macerator pump offers flexible installation with multiple inlets for various fixtures. Proper installation is crucial for optimal performance and longevity.

5.1 Placement

Position the pump in a location that allows for easy access for maintenance and ensures proper drainage. The compact design allows it to fit in most shallow spaces, such as under a cabinet or in a utility closet.

5.2 Connecting Fixtures

The pump is equipped with 3 water inlets, allowing simultaneous connections from a washing machine, sink, shower, or bathtub. The side outlet design minimizes the use of elbows, which can increase the lift efficiency.



This image demonstrates the versatility of the macerator pump, showing its application for waste water disposal from a toilet, bathtub, washing machine, and basin.

5.3 Pipe Connections

Refer to the diagram below for applicable pipe sizes for inlets and outlets. Ensure all connections are sealed tightly using the provided hose clamps to prevent leaks.



This diagram details the various pipe sizes (in millimeters) compatible with the macerator pump's inlets and outlets, including a flexible outlet for 25/32/40/48mm pipes.

5.4 Check Valve Installation

The pump includes a built-in check valve to prevent liquid backflow. For the main outlet, an external check valve is also provided. Ensure this external check valve is installed correctly, typically requiring two fittings to connect to your outlet pipe. Consult a plumbing professional if you are unsure about this step.

5.5 Ventilation

Proper ventilation is essential for the macerator pump's operation. Ensure the vent port is connected to an appropriate ventilation system as per local plumbing codes.

6. OPERATION

The novorik macerator pump is designed for automatic and manual operation.

6.1 Automatic Drainage

Once the water level inside the pump reaches a predetermined threshold, the automatic drainage function will activate, and the pump will begin to macerate and discharge waste water. The pump will automatically shut off once the water level drops.

6.2 Manual Drainage

A manual switch is provided on the unit for testing the drainage function or for situations where manual activation is desired. Press the button to initiate manual drainage.



An internal view of the macerator pump, highlighting the manual switch and the pure copper motor designed for high-temperature operation up to 194°F, with overheating protection.

6.3 Noise Level

The pump operates at a noise level below 45dB, designed to minimize disruption to daily life.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your macerator pump.

- **Blade Inspection:** The pump is equipped with stainless steel blades designed to cut through hair and other debris. Periodically inspect the blades for any signs of wear or obstruction.
- **Preventing Clogs:** Avoid flushing non-biodegradable items, excessive amounts of toilet paper, feminine hygiene products, wet wipes, or harsh chemicals down the connected fixtures.
- **Cleaning:** For general cleaning, use mild detergents and water. Do not use abrasive cleaners or solvents. Ensure the power is disconnected before cleaning.
- **Activated Carbon Filter:** Replace the activated carbon filter periodically to help manage odors.

8. TROUBLESHOOTING

If you encounter issues with your novorik macerator pump, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Pump not operating / Tripping GFCI	No power, electrical fault, motor overload, internal short.	Check power connection and GFCI outlet. Reset GFCI. If it trips repeatedly, disconnect power and contact support.
Pump runs but does not drain / Drains slowly	Clog in inlet/outlet pipes, check valve obstruction, macerator blades jammed.	Disconnect power. Inspect pipes and check valve for obstructions. If blades are jammed, contact support.
Unusual noise or vibration	Debris in pump, loose connections, motor issue.	Disconnect power. Check for foreign objects. Ensure pump is securely installed. If noise persists, contact support.
Leakage	Loose pipe connections, damaged seals.	Tighten all hose clamps and connections. Inspect seals for damage.

If troubleshooting steps do not resolve the issue, please contact novorik customer support for assistance.

9. WARRANTY AND SUPPORT

The novorik 700W Macerator Pump is covered by a manufacturer's warranty. Please refer to your purchase documentation for specific warranty terms and duration. If you experience any issues or require technical assistance, please contact novorik customer support. Have your model number and purchase date ready when contacting support. For further assistance, visit the [novorik Store on Amazon](#).

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question