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> VEVOR 900W Macerator Pump User Manual

VEVOR FLO900

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Model: FLO900

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your VEVOR 900W Macerator Pump. Please read this manual thoroughly before installation and use, and retain it for future reference.



Image: The VEVOR 900W Macerator Pump, a compact white unit, is shown with its various connection points and the assortment of included accessories such as flexible connectors, clamps, and caps, laid out in front of it.

SAFETY INSTRUCTIONS

- Always disconnect power before performing any maintenance or service.
- Ensure proper grounding to prevent electrical shock.
- Do not operate the pump if it is damaged or if the power cord is frayed.
- This pump is designed for domestic wastewater only. Do not pump flammable liquids, chemicals, or solids.
- Ensure adequate ventilation around the pump.

SETUP AND INSTALLATION

The VEVOR 900W Macerator Pump is designed for easy installation without extensive wall demolition, making it ideal for adding bathroom facilities in basements or other areas where gravity drainage is not feasible.



Image: A VEVOR macerator pump is shown installed behind a toilet, illustrating its compact size and how it connects to the toilet's waste outlet and an external discharge pipe. This setup allows for efficient wastewater removal.

Connecting Water Inlets

The pump features 4 water inlets for versatile connections:

- **Inlet 1:** 89 mm (for toilet connection)
- **Inlets 2-4:** 40 mm (for connecting sinks, showers, bathtubs, or laundry machines)

Ensure all connections are sealed properly using the provided clamps and connectors to prevent leaks.



Item Model Number: **FLO900**

Rated Power: **1.2 HP/900W**

Max Flow Rate: **48 GPM/180 LPM**

Max Head Lift: **40 ft/12 m**

Outlet Diameter: **40 mm**

Accessories: **1 x Outlet Connection Kit; 3 x Inlet Hoses; 7 x Clamps;**

1 x Toilet Connection Ring; 1 x Large Lid;

Net Weight: **16.53 lbs/7.5 kg**

Inlet Diameter:

89 mm/40 mm/40 mm/40 mm

Item Dimensions:

17.32 x 6.69 x 12.01 in/440 x 170 x 305 mm

Image: A detailed diagram of the macerator pump highlighting its four water inlets and one outlet. Inlet 1 (89mm) is for the toilet, while inlets 2, 3, and 4 (40mm each) are for other fixtures like showers, sinks, and laundry machines. The diagram also shows the 40mm outlet.

Discharge Pipe Connection

Connect the pump's outlet (40 mm diameter) to your discharge pipe system. The pump is capable of a 40 ft (12 m) vertical lift and a 400 ft (120 m) horizontal discharge, allowing flexible installation options.



Image: This graphic illustrates the powerful flushing capability of the 1.2 HP/900W macerator pump, showing a toilet connected to the

pump. It highlights a high flow rate of 48 GPM and a significant head lift capacity of 40 ft (12 m) vertically and 400 ft (120 m) horizontally, demonstrating its ability to efficiently drain wastewater in various settings.

OPERATING INSTRUCTIONS

Once properly installed and connected to power, the VEVOR Macerator Pump operates automatically. When wastewater enters the unit, the pump will activate to macerate solids and discharge the liquid.

Key Features in Operation:

- **PCB Delay Function:** The upgraded PCB (Printed Circuit Board) features a delay function that reduces the frequency of pump startups. This results in quieter operation and extends the overall service life of the pump.
- **Strong Flushing Power:** Equipped with a 1.2 HP/900W motor, the pump delivers a 48 GPM (180 LPM) flow rate, ensuring efficient waste disposal.
- **Hot Water Handling:** The IPX8 waterproof, oil-filled copper motor is designed to handle wastewater up to 75°C (167°F), making it suitable for washing machines and dishwashers.
- **Antimicrobial Property:** The silver ion water tank helps prevent odor generation with an inhibition rate of up to 99%.

PCB Delay Function

Reduce Frequent Startups

- Lower Noise
- Extended Service Life



Image: A graphic illustrating the internal PCB (Printed Circuit Board) of the macerator pump, emphasizing its delay function. This feature is designed to reduce frequent pump startups, leading to lower noise levels and an extended service life for the unit.

Antimicrobial Silver Ion Water Tank

Inhibition Rate Up to

99%+



Test Report

NO.: BQFS9WLB1913535QD

Issued Date: 2022-11-10

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Test Result

Sample Number & Test Section	Test Item	Customer Limit	Test Results	Evaluation	Reference Methods
B1913535QD SEWAGE PUMP	Colibacillus CICC 10302 (third generation)	≥90	99.84	Pass	GB/T 31402-2015
	Staphylococcus aureus CMCC (B) 26003 (four generation)	≥90	>99.99	Pass	

Image: A detailed cutaway illustration of the macerator pump's pure copper motor. The graphic highlights its ability to handle hot water up to 75°C, its IPX8 waterproof rating, and its stable performance, indicating long-lasting durability and reduced maintenance needs.

MAINTENANCE

The VEVOR Macerator Pump is designed to be largely maintenance-free due to its effective antimicrobial properties and robust construction. However, regular checks can ensure optimal performance.

- **Regular Cleaning:** Periodically clean the exterior of the pump. Do not use harsh chemicals.
- **Inlet/Outlet Checks:** Ensure all inlets and the outlet are free from obstructions.
- **Odor Prevention:** The silver ion water tank helps prevent odors. If odors persist, ensure proper ventilation and check for any blockages.

Ideal for Full Bathrooms

4 Water Inlets

Inlet 1: **89 mm**

Inlets 2-4: **40 mm**

Outlet: **40 mm**



Toilet



Shower



Sink



Laundry

Image: A graphic showcasing the macerator pump's silver ion water tank, emphasizing its antimicrobial property with an inhibition rate of up to 99%. This feature helps prevent the growth of bacteria and the generation of unpleasant odors within the unit.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Pump does not start.	No power; Motor overload; Blockage.	Check power supply and circuit breaker. Allow motor to cool. Disconnect power and check for blockages in inlets/outlet.
Pump runs continuously or frequently.	Sensor issue; Leak in system; Insufficient water level.	Check for leaks in plumbing. Ensure proper water level in the tank. If sensor issue, contact customer support.
Unusual noise during operation.	Foreign object in macerator; Worn bearings.	Disconnect power and inspect for foreign objects. If noise persists, professional service may be required.
Poor drainage or slow flow.	Partial blockage; Insufficient power.	Check all inlets and outlet for partial blockages. Ensure pump receives adequate voltage.

For issues not listed here or if solutions do not resolve the problem, please contact VEVOR customer support.

SPECIFICATIONS

Detailed technical specifications for the VEVOR 900W Macerator Pump (Model: FLO900).

Attribute	Value
Model Number	FLO900
Rated Power	1.2 HP / 900W
Max Flow Rate	48 GPM (180 LPM)
Max Head Lift	40 ft (12 m)
Outlet Diameter	40 mm
Inlet Diameter	1 x 89 mm, 3 x 40 mm
Voltage	110 Volts
Material	Polypropylene (PP)
Item Weight	16.53 lbs (7.5 kg)
Dimensions (L x W x H)	17.32 x 6.69 x 12.01 inches (440 x 170 x 305 mm)
Waterproof Rating	IPX8
Max Water Temperature	75°C (167°F)



Image: A technical diagram displaying the key dimensions of the VEVOR macerator pump in both inches and millimeters, along with a summary of its specifications including model number, power, flow rate, head lift, and inlet/outlet diameters. This provides a comprehensive overview of the pump's physical and performance characteristics.

WARRANTY AND SUPPORT

VEVOR products typically come with a manufacturer's warranty. For specific warranty terms, duration, and claim procedures, please refer to the warranty card included with your product or visit the official VEVOR website. For technical support, troubleshooting assistance, or parts inquiries, please contact VEVOR customer service:

Website: www.vevor.com

Email: Refer to your product packaging or website for contact email.

Phone: Refer to your product packaging or website for contact number.



