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› HOCANFLO 500W Macerator Pump Instruction Manual

HOCANFLO 500W Macerator Pump (FL0500)

HOCANFLO 500W Macerator Pump Instruction Manual

Model: 500W Macerator Pump

1. INTRODUCTION

The HOCANFLO 500W Macerator Pump is designed to provide efficient and convenient solutions for bathroom installation and plumbing needs, particularly for waste water disposal from toilets, sinks, showers, and other drainage points. With advanced technology and reliable performance, this pump offers a hassle-free and sanitary experience, allowing for flexible bathroom placement without extensive plumbing modifications.



Image 1: Main unit of the HOCANFLO 500W Macerator Pump.

2. PRODUCT OVERVIEW AND COMPONENTS

The HOCANFLO 500W Macerator Pump (Model FL0500) is a compact unit designed for efficient waste disposal. It features multiple inlets for various fixtures and a powerful motor with stainless steel non-clog blades.

- **Main Unit:** The central pump housing.
- **Water Inlets:** Two inlets at the bottom for connecting a shower room and a sink. A front inlet for connecting to a toilet.
- **Outlet:** Top outlet for discharge pipe.
- **Exhaust Hole:** Top opening for activated carbon deodorization.
- **Manual Switch:** For manual operation.
- **Check Valve:** Prevents sewage backflow.
- **Accessories:** Includes various hoses, clamps, and caps for installation.



Image 2: HOCANFLO 500W Macerator Pump with all included accessories.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your HOCANFLO Macerator Pump. Follow these steps carefully:

3.1. Inlet Pipe Installation (Sink/Shower)

1. Locate the two water inlets at the bottom of the pump unit. These are typically used for connecting a shower room and a sink.
2. Remove the cover from the desired inlet to reveal the check valve inside. This valve prevents sewage from flowing back into the pump.
3. Fix the hose to the inlet at the bottom of the product.
4. Cut off any excess hose with scissors and install a PVC inlet pipe with a 40mm diameter.
5. Ensure the inlet pipe maintains a 3% inclination to prevent sewage from remaining in the pipe. Repeat for the other bottom inlet if connecting another fixture.



Image 3: Diagram showing multiple connection points for the macerator pump.

3.2. Exhaust Hole Preparation

1. Open the lid of the top exhaust hole.
2. Insert the activated carbon (included) into the hole.
3. Close the lid firmly to secure the activated carbon.



Image 4: Activated carbon deodorization feature on the pump.

3.3. Outlet Pipe Installation

1. The outlet pipe is a combination of an elbow and a check valve.
2. Fix the elbow at the water outlet position on top of the pump with a clamp and fix it firmly.
3. The elbow supports three sizes of pipes: 28mm, 32mm, or 40mm. It is recommended to use a 32mm PVC pipe.
4. Cut off any excess pipe with scissors, then insert the 32mm PVC hard pipe with a clamp and fix it.
5. If discharging horizontally, the horizontal sewage section must be less than 30cm to avoid affecting the height of the vertical lift.
6. Alternatively, if the toilet is installed just below the main sewage pipe, remove the black check valve under the elbow and fix it at the water outlet position. The check valve prevents sewage from returning.

3.4. Toilet Connection

1. The front water inlet is specifically for connecting to the toilet.
2. If the toilet is not connected, the water inlet can be blocked to only drain sewage from the shower room and sink.
3. To connect the toilet, first connect the rubber hose and fix it with a clamp.
4. Put the rubber ring into the toilet drain and fix it with a clamp.
5. If installing the macerating pump on the other side of a wall, an extension pipe is required (purchased separately). Insert the extension pipe into the water outlet of the toilet and push it in firmly to ensure it cannot be pulled out.

3.5. Installation Video Guide

For a visual guide on the installation process, please watch the official HOCANFLO installation video:

Your browser does not support the video tag.

Video 1: "How to install HOCANFLO 500W Macerator Pump". This video demonstrates the step-by-step process of connecting the various inlets and outlets, including the toilet, sink, and shower connections, and highlights important considerations like pipe inclination and check valve placement.

4. OPERATING INSTRUCTIONS

The HOCANFLO 500W Macerator Pump operates automatically when water enters the unit. It is designed for efficient and quiet operation.

- **Automatic Operation:** The pump will activate automatically when the water level inside reaches a certain point, macerating and pumping the waste water away.
- **Manual Override:** A manual switch is provided for testing or specific operational needs. Use this switch with caution and only when necessary.
- **Quiet Operation:** The 500W motor is designed for low noise levels during operation.
- **Multiple Connections:** The pump can handle waste from a toilet, sink, shower room, urinal/bidet, and washing machine. Ensure all unused inlets are properly sealed with the provided caps.

5. MAINTENANCE

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

- **Activated Carbon Replacement:** The activated carbon in the exhaust hole helps with deodorization. Replace it periodically as needed to maintain effectiveness.
- **Cleaning:** Avoid flushing foreign objects (e.g., sanitary products, wet wipes, large food scraps) that can clog the blades or pump. Regular flushing with clean water can help prevent buildup.
- **Check for Leaks:** Periodically inspect all connections for any signs of leaks. Tighten clamps if necessary.
- **Professional Inspection:** For complex issues or annual checks, consider consulting a qualified plumber.

6. TROUBLESHOOTING

If you encounter issues with your HOCANFLO Macerator Pump, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Pump not activating	No power; Clogged inlet/outlet; Float switch stuck.	Check power supply; Clear any blockages; Gently free the float switch.
Pump running continuously	Float switch stuck; Leak in system; Check valve issue.	Free the float switch; Inspect for leaks; Check check valve for debris.

Problem	Possible Cause	Solution
Unusual noise/vibration	Foreign object in macerator; Worn bearings.	Disconnect power and inspect for foreign objects (professional assistance recommended); Contact support for bearing issues.
Foul odors	Activated carbon needs replacement; Insufficient water flow; Trap issues.	Replace activated carbon; Ensure adequate water flow; Check P-traps for proper sealing.

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

7. SPECIFICATIONS

- **Model:** 500W Pro
- **Power:** 500 Watt (1/2 HP)
- **Motor:** Strong electric motor with copper wires
- **Blades:** Stainless steel non-clog blades
- **Water Inlets:** 4 (for sink, shower room, urinal/bidet, toilet)
- **Maximum Vertical Lift:** Up to 30 Feet
- **Maximum Horizontal Discharge:** Up to 260 Feet
- **Voltage:** 120 Volts
- **Material:** Polypropylene (PP), Stainless Steel
- **Item Weight:** Approximately 15.1 Pounds
- **Dimensions:** Approximately 19 x 14.75 x 6.75 inches

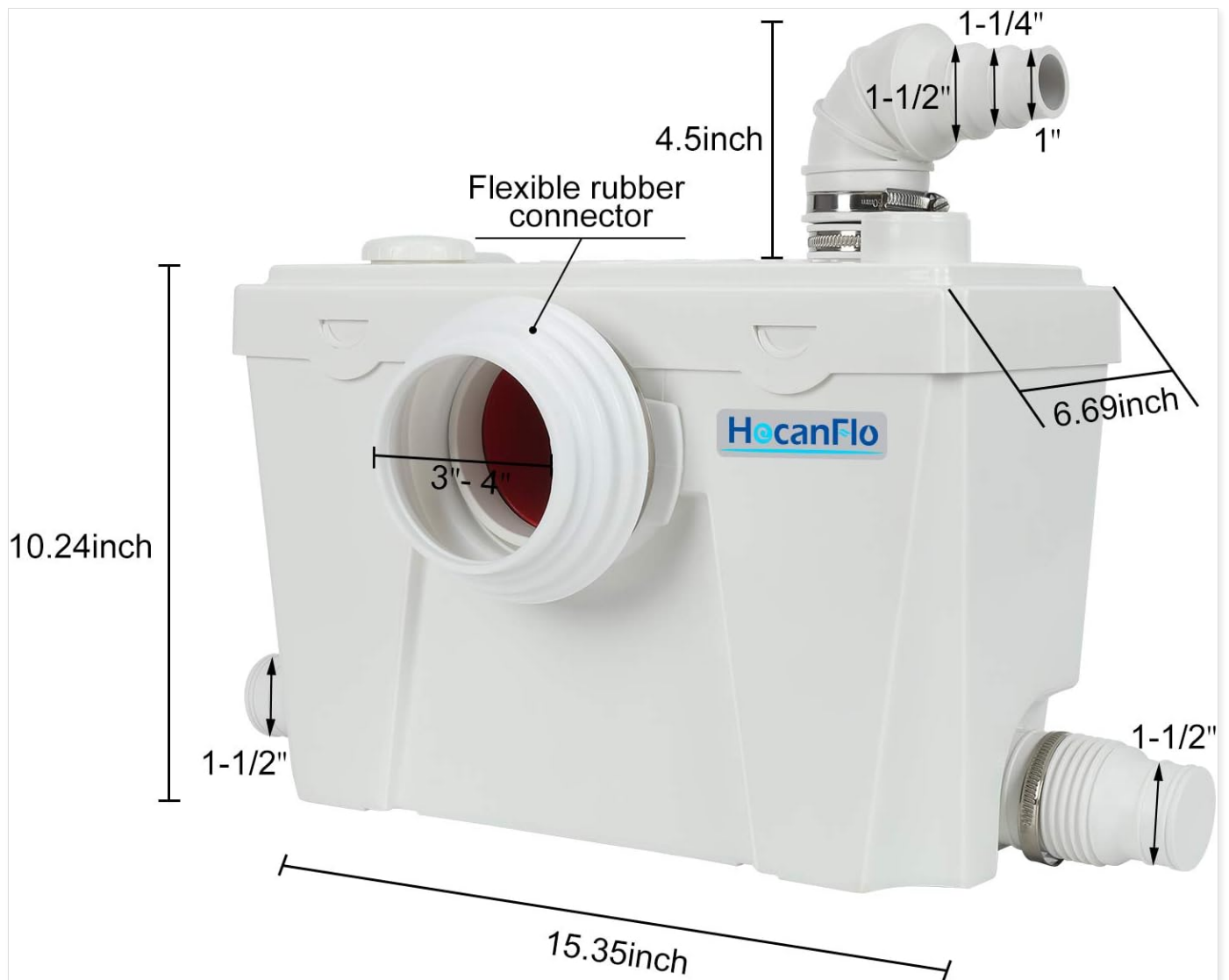


Image 5: Key dimensions of the HOCANFLO Macerator Pump.



500W
(2/3HP)



39dBA



110L/M
(1750GPH)



70M/240FT



7M/24FT

Image 6: Performance metrics including power, noise level, flow rate, and discharge distances.

8. WARRANTY AND SUPPORT

HOCANFLO is committed to delivering quality products and responsible service. This product comes with a 1-Year Limited Protection (as per feature bullets, though an image shows 2-year warranty, I'll stick to the text for consistency unless specified otherwise). For any queries or assistance, please feel free to email us. We aim to respond within 12 hours.

For further information or to explore other HOCANFLO products, please visit the [HOCANFLO Store](#).

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