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› HOCANFLO 700W Macerating Sewage Pump User Manual

HOCANFLO FLO700

HOCANFLO 700W Macerating Sewage Pump User Manual

Model: FLO700
Brand: HOCANFLO

1. PRODUCT OVERVIEW

The HOCANFLO 700W Macerating Sewage Pump is a powerful and efficient solution designed for handling wastewater from various sanitary fixtures. It is ideal for adding a bathroom in locations where gravity drainage is not feasible, such as basements, garage conversions, or loft spaces. This fully automatic pump features a robust 700-watt motor and durable construction for long-lasting performance.

Key Applications:

- Connects to 1 Toilet + Sink + Shower + Bidet or Washing Machine (4 Inlets, 1 Outlet)

Key Features:

- **Powerful 700W Motor:** Fully automatic macerating system designed to efficiently transfer waste upstream to sewers.
- **Patented Automatic Cleaning:** Features a unique one-button automatic debris cleaning function, eliminating the need to remove the pump for separate cleaning.
- **Ultra Quiet Operation:** Operates at a low noise level of only 39 dBA under normal conditions, ensuring minimal disturbance.
- **High Pumping Capacity:** Capable of vertical pumping up to 9 meters and horizontal pumping up to 100 meters (distance may vary based on pipe diameter).
- **High Flow Rate:** Maximum flow rate of 12000 Liters per hour (190 L/min).
- **Durable Construction:** Made from high-quality PP material with a powerful electric motor for robustness and extended service life.



Figure 1.1: The HOCANFLO 700W Macerating Sewage Pump shown with all included accessories, including various pipe connectors and clamps.

2. SETUP AND INSTALLATION

The HOCANFLO 700W Macerating Sewage Pump is designed for convenient and easy installation. A detailed multilingual installation manual is included with your product, covering English, French, German, Italian, and Spanish. Please refer to this manual for comprehensive step-by-step instructions specific to your setup.

General Installation Guidelines:

1. **Unpacking:** Carefully unpack all components and verify against the packing list.
2. **Placement:** Position the pump near the sanitary fixtures (toilet, sink, shower, washing machine) it will serve. Ensure adequate space for connections and future maintenance.
3. **Connections:** Connect the inlet pipes from the toilet, sink, shower, and/or washing machine to the designated inlets on the pump. Use the provided flexible connectors and clamps to ensure secure, leak-free connections.
4. **Discharge Outlet:** Connect the discharge outlet to your main sewage line. The pump features a professional check valve to prevent backflow of sewage.
5. **Ventilation:** Ensure proper ventilation. The pump supports activated carbon deodorization or connection to a

vent pipe for odor control.

6. **Power Supply:** Connect the pump to a suitable AC 220-240V, 50 Hz power supply. Ensure the power outlet is grounded and protected by a residual current device (RCD).
7. **Testing:** After all connections are secure, test the system by flushing the toilet and running water through connected fixtures to check for leaks and proper operation.

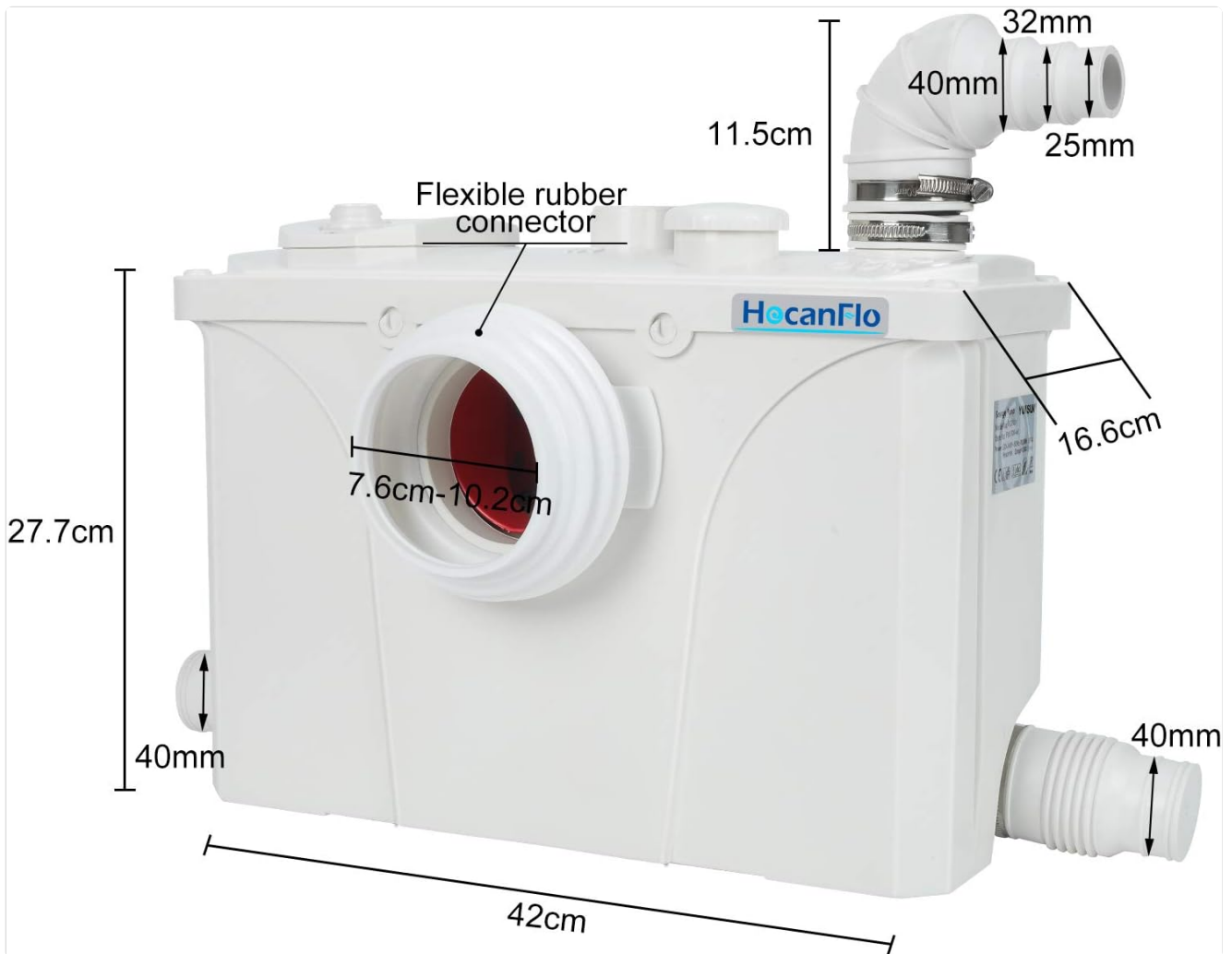


Figure 2.1: Product dimensions and connection points. Dimensions are approximately 42 cm (L) x 16.6 cm (W) x 27.7 cm (H).



Figure 2.2: Application diagram showing how the pump connects to various sanitary fixtures like a toilet, sink, shower room, and washing machine.



Figure 2.3: Example installation of the HOCANFLO pump in a bathroom, connected to a toilet and sink.

3. OPERATING INSTRUCTIONS

The HOCANFLO 700W Macerating Sewage Pump operates automatically. Once properly installed and connected to power, it will activate as needed when wastewater enters the unit from connected fixtures.

Normal Operation:

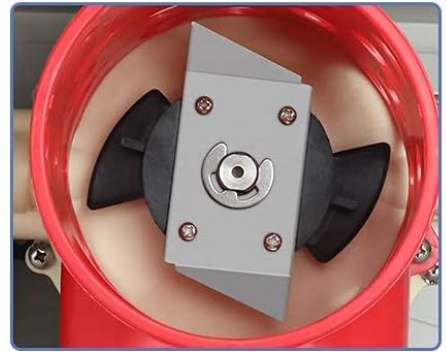
- When water from the toilet, sink, shower, or washing machine enters the pump, the internal macerator blades will activate to grind solids, and the pump will then discharge the wastewater.
- The pump is designed to be ultra-quiet, operating at approximately 39 dBA during normal use.
- The integrated check valve ensures that sewage does not return into the fixtures.

Self-Cleaning Function:

This pump features a patented one-button automatic debris cleaning function. Refer to your detailed manual for the exact procedure to activate this feature, which helps maintain the internal components without requiring disassembly.



Professional check valve
Sewage will never return



Stainless Steel impeller
Blades.

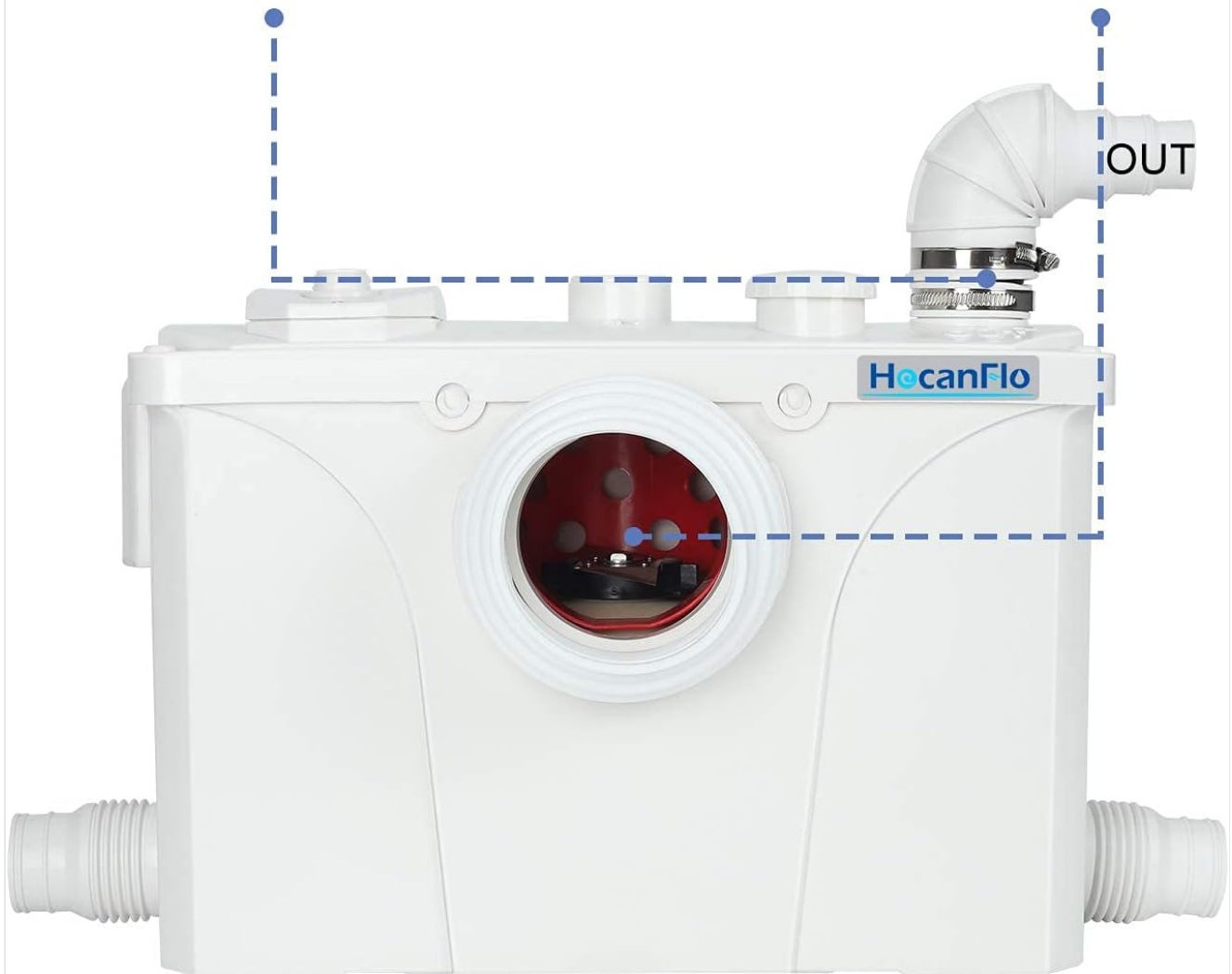


Figure 3.1: Internal view of the pump, highlighting the professional check valve and durable stainless steel impeller blades.

Self-cleaning function

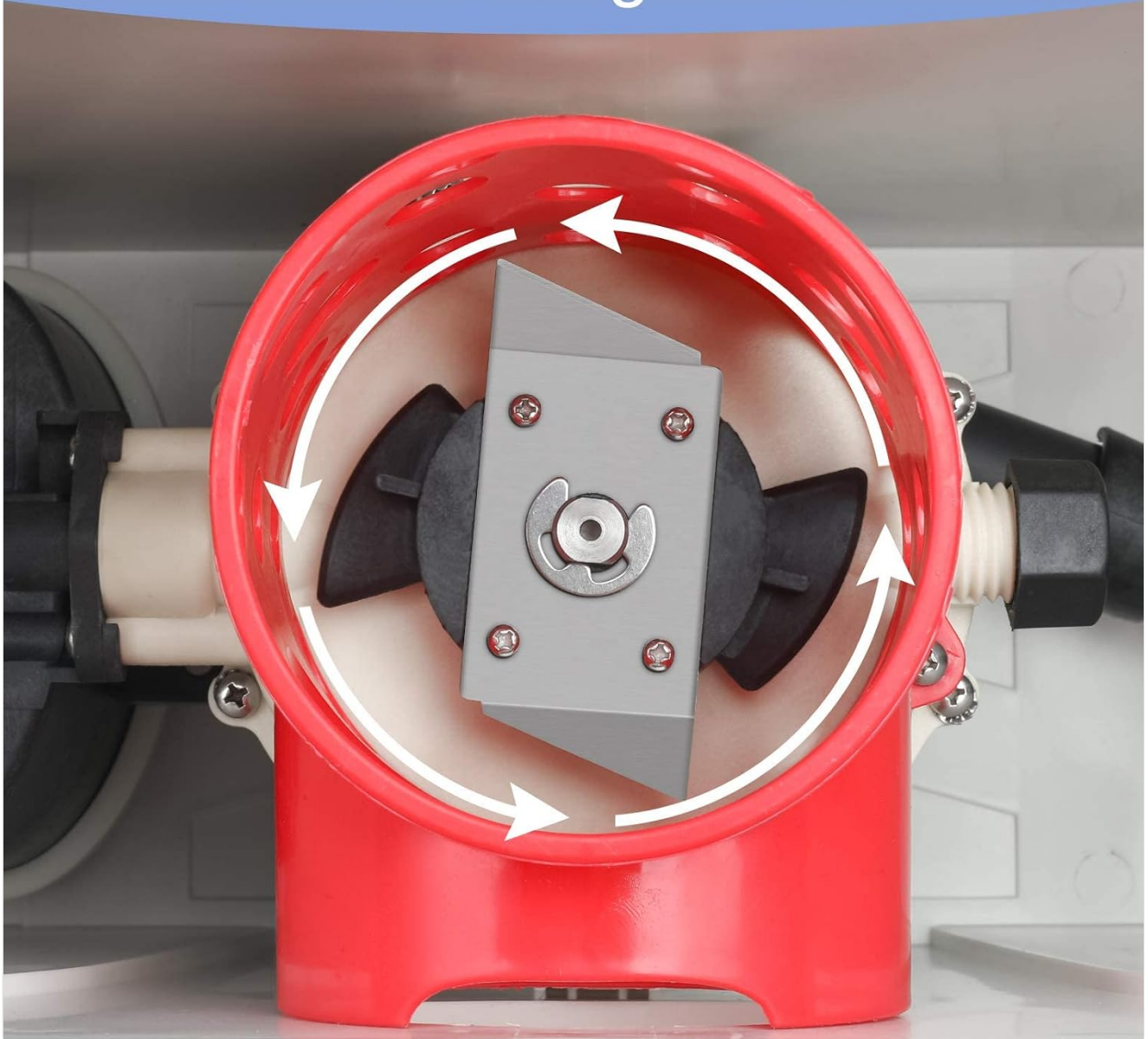


Figure 3.2: Visual representation of the pump's self-cleaning mechanism, showing how water circulates to clear debris.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your HOCANFLO macerating pump. While the pump has a self-cleaning function, periodic checks are recommended.

Recommended Maintenance:

- **Regular Self-Cleaning:** Utilize the one-button self-cleaning function as recommended in the full manual to prevent debris buildup.
- **Deodorization:** The pump offers two deodorization options:
 - **Activated Carbon Deodorization:** For continuous odor control.
 - **Vent Pipe Deodorization:** Connect to a dedicated vent pipe for external venting of odors.
- **Visual Inspection:** Periodically inspect all connections for any signs of leaks or damage. Ensure the power cord is intact and securely connected.
- **Cleaning Exterior:** Wipe down the exterior of the pump with a damp cloth as needed. Do not use harsh

chemicals or abrasive cleaners.

- **Professional Servicing:** For any internal issues or complex repairs, it is recommended to contact a qualified technician or HOCANFLO customer support.

Activated carbon deodorization or vent pipe deodorization



1
Activated
carbon deodorization

2
Ventilation
duct deodorization

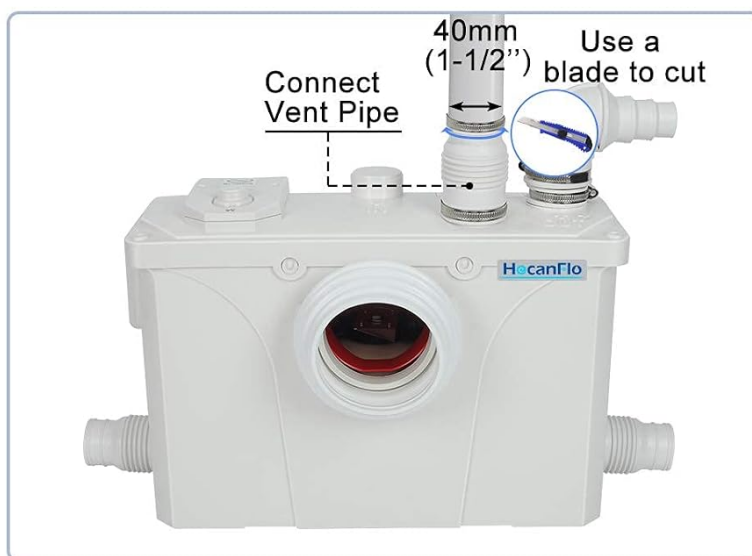


Figure 4.1: Deodorization options for the pump, including activated carbon and connection to a vent pipe.

5. TROUBLESHOOTING

If you encounter issues with your HOCANFLO macerating pump, please review the following common troubleshooting steps. For persistent problems, refer to the comprehensive manual or contact customer support.

Common Issues and Solutions:

- **Pump Not Activating:**
 - Check if the pump is properly plugged into a working power outlet.
 - Verify that the circuit breaker has not tripped.
 - Ensure there is sufficient water entering the pump to trigger its activation sensor.
- **Pump Running Continuously:**

- Check for any leaks in the inlet or outlet pipes that might be causing continuous water flow into the pump.
 - Inspect the check valve for any obstructions preventing it from closing completely.
 - Ensure no foreign objects are lodged in the macerator blades.
- **Unusual Noises:**
 - Turn off the power and inspect the macerator chamber for any foreign objects that may be causing the noise.
 - Ensure the pump is securely mounted and not vibrating against other surfaces.
 - **Poor Pumping Performance:**
 - Check for blockages in the inlet or outlet pipes.
 - Ensure the discharge pipe diameter is appropriate and not too restrictive.
 - Verify that the maximum vertical and horizontal pumping distances are not exceeded.

Important: Always disconnect the power supply before attempting any inspection or maintenance inside the pump.

6. SPECIFICATIONS

Detailed technical specifications for the HOCANFLO 700W Macerating Sewage Pump:

Manufacturer	Hocanflo
Model Number	FLO700
Product Dimensions (L x W x H)	42 x 16.6 x 27.7 cm
Weight	7.99 Kilograms
Color	White
Material	Steel (Internal components), PP (Housing)
Input Voltage	AC 220-240 V, 50 Hz
Rated Power	700 Watts
Max Flow Rate	12000 Liters per hour (190 L/min)
Max Vertical Pumping	9 Meters
Max Horizontal Pumping	100 Meters
Max Liquid Temperature	90°C
Noise Level	39 dBA
Protection Degree	IPX4
Inlet Diameter	28 mm - 40 mm
Outlet Diameter	28 mm, 32 mm, 40 mm

7. WARRANTY AND SUPPORT

Your HOCANFLO 700W Macerating Sewage Pump comes with a **Two-Year Warranty**, ensuring superior quality and performance. Each product undergoes strict quality control to meet high standards.

Customer Support:

Our goal is 100% customer satisfaction. If you have any questions, concerns, or require assistance with your product, please do not hesitate to contact HOCANFLO customer support. Refer to the contact information provided in your product packaging or on the official HOCANFLO website.

When contacting support, please have your model number (FLO700) and purchase details ready to facilitate a quicker resolution.



Figure 7.1: Key features highlighted, including the 2-year warranty, automatic operation, easy installation, and 4 inlet design.