

MixBubole FLO700-RD

MixBubole FLO700-RD 1 HP Utility Sink Pump

INSTRUCTION MANUAL

Model: FLO700-RD | Brand: MixBubole

Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your MixBubole FLO700-RD 1 HP Utility Sink Pump. Please read all instructions carefully before operating the unit to ensure proper function and longevity.

The MixBubole FLO700-RD is a fully automatic utility sink pump designed to effectively pump clear wastewater without solid contents to a nearby outlet where gravity drainage is not feasible. It is ideally suited for off-grid residential sewage systems and can provide a solution for various applications such as sinks, showers, wash bins, urinals, and kitchen or basement installations.

Important Safety Instructions

- This pump is designed for use with water only. Do not use for other fluids, especially fuels, cleaning fluids, or other chemical products.
- All electrical connections must be protected from moisture.
- If there is a danger of flooding, ensure electrical connections are located at a higher ground level.
- The pump must be protected from freezing temperatures.
- To prevent electric shock, the pump must be connected only to a Ground Fault Circuit Interrupter (GFCI) protected outlet.
- Do not use an extension cord with this item.
- **WARNING:** The cord of this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Always wash hands thoroughly after handling.
- Individuals with pacemakers should consult their physician before use. Electromagnetic fields in close proximity to the pump could cause pacemaker interference or failure.
- This instruction manual cannot cover all possible conditions and situations. Common sense and caution are essential factors that must be applied by the operator.

Product Features

Fully Automatic Operation: The pump operates at 800W, 110V-120V/60Hz, with a motor speed of 4000 RPM. It can achieve a maximum vertical lift of 36 feet and a horizontal discharge of 360 feet, with a flow rate of up to 2200 GPH.



800W UTILITY SINK PUMP

Bidet Sink Wash Basin Shower Cabin

MAX
2200
GPH

1HP

**Max 36 ft Vertical
Max 360 ft Horizontal**

Image: MixBubole FLO700-RD Utility Sink Pump highlighting its 1HP motor, 2200 GPH flow rate, and 36ft vertical / 360ft horizontal pumping capacity.

Powerful 800-Watt Motor with PCB Function: Equipped with a robust 800-watt heavy-duty motor featuring an all-copper coil pack for enhanced durability and heat resistance. The upgraded model includes a time delay PCB function to reduce frequent cycling, ensuring quiet operation. It is oil-filled for protection and can handle continuous water temperatures up to 60°C, or up to 4 hours at 90°C.



ALL-COPPER WIRES MOTOR

The utility sink pump is equipped with a powerful 800W copper motor while providing a quiet operation without noise, robust and durable, long term operation.

PATENTED EXTERNAL EXHAUST VALVE

Say goodbye to traditional sewage pumps that need activated carbon. New External exhaust valve keeps odors trapped outside, (Or an 1/2-inch venting pipe connected if needed)



Image: Detail of the MixBubole pump's all-copper motor for quiet and durable operation, and the patented external exhaust valve.

Image: Illustration of the PCB delay function for reduced cycling and the upgraded internal structure designed for better sealing and stability.

Versatile Connectivity: The compact design (10"L x 10"W x 10"H) allows for installation in shallow spaces, such as under basins. It features three built-in Ø 40mm universal wastewater inlets and one outlet, enabling connection to multiple fixtures like wash basins, showers, and kitchen sinks.



3 WATER INLETS 1 OUTLET DESIGN

3 inlet ports for connecting multiple appliances, providing a comprehensive drainage solution at the same time.

OILING TO WITHSTAND HOT WATER

No fear of continuous hot water, Withstand continuous 65°C water and 4-hour 90°C water.



IPX4 WATER RESISTANCE

The installed activated carbon filter ensures that the sink pump is odor free and maintains a clean air environment for your home.



Image: The MixBubole pump with its three water inlets and one outlet, highlighting its ability to handle hot water and its IPX4 waterproof design.

Automatic Switch and Safety: Features a fully automatic ON/OFF mechanism, activating when the water level reaches 3 inches and shutting off at 2 inches. The innovative switch system mounts the float switch above the water, eliminating the risk of electrical leakage and short circuits.

Quiet Operation and Odor Control: Operates at a low noise level of 45 dB. Includes a new external exhaust valve to trap odors outside, eliminating the need for activated carbon. An optional 1/2-inch venting pipe can be connected if required.

Durable Construction: Crafted from premium PP material, the outer shell is resistant to aging and scratches, and is easy to clean. Features an IPX4 waterproof design.

Specifications

Attribute	Detail
-----------	--------

Brand	MixBubole
Model Number	FLO700-RD
Power Source	Corded Electric
Voltage	110-120 Volts
Wattage	800 Watts
Horsepower	1 HP
Maximum Flow Rate	2200 Gallons Per Hour (37 Gallons Per Minute)
Maximum Lifting Height	36 Feet (Vertical)
Horizontal Discharge	360 Feet
Product Dimensions	10"L x 10"W x 10"H
Item Weight	13 Pounds
Material	Polypropylene (PP)
Noise Level	45 dB
Water Temperature Tolerance	Continuous 60°C; up to 4 hours at 90°C
Water Resistance Rating	IPX4
Certifications	ETL Certified
Included Components	800W Utility Sink Pump KITS (includes various connectors and clamps)

PRODUCT DETAILS

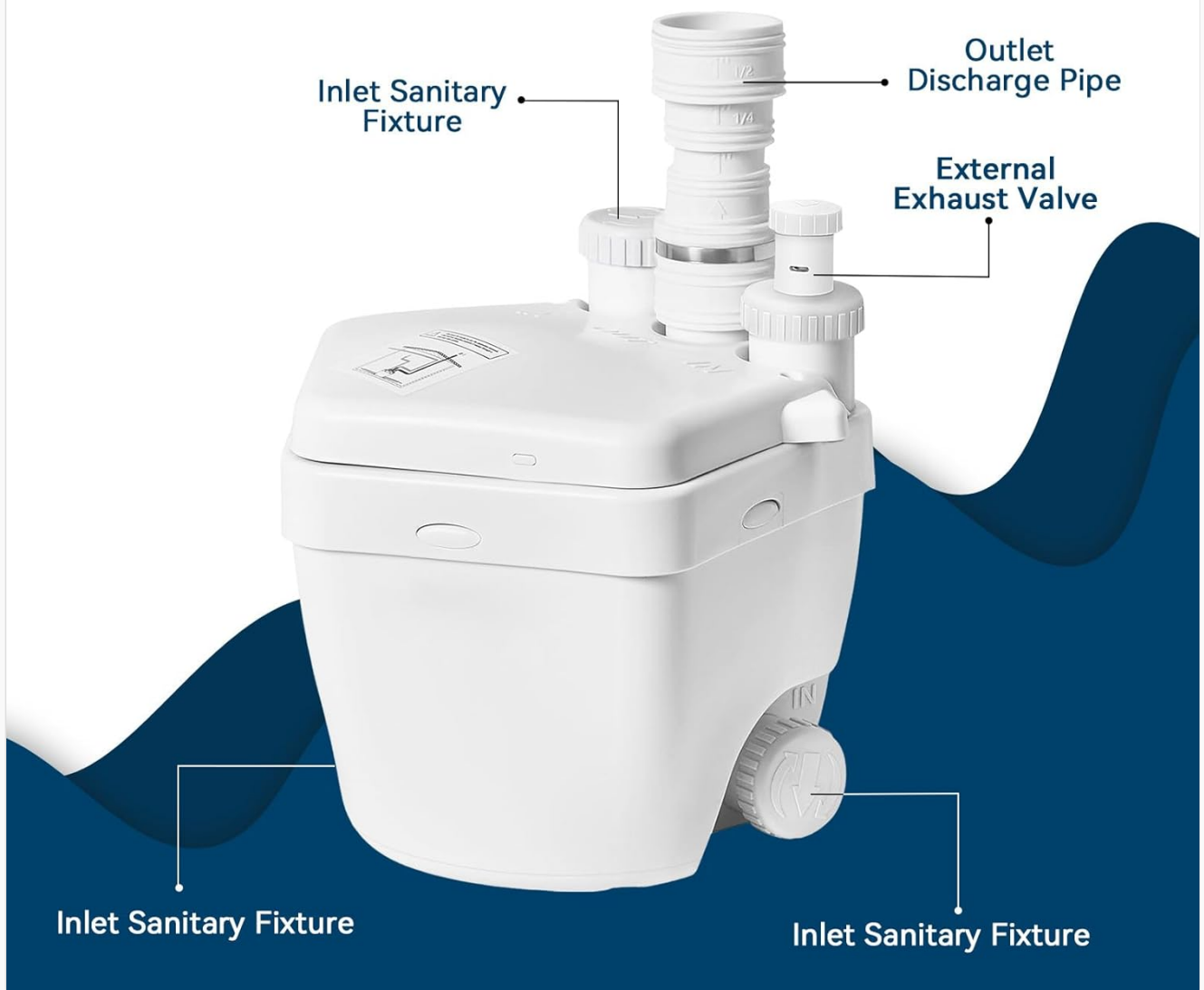


Image: Product details illustrating the various connection points and components of the pump.



- | | | |
|----------------------------|-------------------------|-----------------|
| 1 800w Utility Sink Pump*1 | 2 Hose Clamp(32-50mm)*4 | 3 Output Tube*1 |
| 4 External exhaust valve*1 | 5 Hose Clamp(40-60mm)*1 | 6 Screws*2 |
| 7 Positioning Plates*2 | 8 Input Connectors*4 | |

Image: A visual representation of all items included in the MixBubole FLO700-RD Utility Sink Pump package.

Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your utility sink pump. This appliance must be installed following our instruction manual and local plumbing codes.

General Guidelines:

- Ensure the pump rests on a stable, level surface.
- Verify that the discharge pipe is properly connected and secured.
- Confirm the electrical socket is a GFCI protected outlet (110-120 VAC, 60 Hz).
- Protect the pump from water and moisture until fully installed.

Connecting Inlets and Outlets:

The pump is equipped with three Ø 40mm universal wastewater inlets and one outlet. Use the provided rubber couplings and hose clamps to secure connections.

1. **Discharge Connection:** The waste water is evacuated via a 1", 1-1/4", or 1-1/2" diameter copper or plastic (PVC, CPVC) pipe. The pump is designed to handle 3/8" particles. Ensure the angle of slope is 1/4" per foot for horizontal drain sections leading up to the main drain stack to ensure drainage by gravity.
2. **Inlet Connections:** The pump has two side inlets and one top inlet. Use the provided rubber couplings (1-1/2"x2") with clamps to connect additional fixtures. If an inlet is not used, cap it off securely.
3. **Venting System:** The unit has been designed with a vent connection on the top. All plumbing codes require a connection to a vent system. Connect to your PVC pipe using the provided 1-1/2"x2" rubber coupling.



Image: An installation diagram demonstrating how to connect the pump to a sink, including discharge and vent lines with recommended slopes.

Your browser does not support the video tag.

Video: Official MixBubole video demonstrating the installation process for the 800W Sink Sewerage Pump FLO700-RD. This video provides a visual guide to connecting the various components and ensuring proper setup.

Operating Instructions

Automatic Operation:

The MixBubole FLO700-RD pump features a fully automatic ON/OFF mechanism. It activates when the water level reaches approximately 3 inches and shuts off when the water level drops to 2 inches. This ensures efficient and hands-free operation.

Power-On Self-Test:

Every time the pump is powered on, the motor will automatically start for 2 seconds as a self-test. This confirms the unit is functioning correctly before normal operation begins.

Image: The pump's power-on self-test function, indicating it checks its operational status upon startup.

Fluid Type:

The pump is designed exclusively for water with a maximum temperature of 140°F (60°C). Do not use the pump for other fluids, especially fuels, cleaning fluids, or other chemical products, as this may damage the unit and void the warranty.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your MixBubole utility sink pump. Always disconnect the pump from its electrical outlet before performing any maintenance or cleaning procedures.

- **Cleaning:** Flush the pump with clean water after every use, especially if pumping dirty water, to prevent buildup.
- **Discharge Pipe:** Periodically inspect and clean the discharge pipe to prevent blockages.
- **Check Valve:** Inspect the check valve regularly to ensure it is not partially closed, which can impede water flow.
- **Ventilation System:** Ensure the ventilation system is clear and unobstructed for proper pump function and odor control.
- **General Inspection:** Regularly check for any signs of wear, damage, or leaks. Address any issues promptly.

Troubleshooting

If you encounter issues with your MixBubole FLO700-RD pump, refer to the table below for common problems and their solutions. Always disconnect power before inspecting the unit.

Problem	Cause	Solution
The motor runs normally, but the water drains slowly.	The discharge pipe is blocked.	Clean the discharge pipe.
	Possible that the check valve is half closed.	Inspect the check valve.
The water drains slowly and the motor works intermittently.	Ventilation system blocked.	Inspect the ventilation system.
The pump doesn't start. The water doesn't evacuate.	There is no power going to the pump. Thermal overload cut out.	Wait for the thermal overload to disengage (about 20-30 minutes).

Warranty and Customer Support

Your MixBubole FLO700-RD Utility Sink Pump is certified by ETL, ensuring its quality and safety. It is manufactured from premium materials and subjected to rigorous quality control.

- **Warranty:** The pump comes with a 1-year manufacturer warranty.
- **Customer Service:** For technical support, warranty claims, or any product-related questions, please contact our 24/7 customer service team.

Contact Email: MIXBUBOLE@OUTLOOK.COM