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> [MixBubole FLO1200-BGS PRO 1500W Macerator Pump Instruction Manual](#)

MixBubole FLO1200-BGS PRO

MixBubole FLO1200-BGS PRO 1500W Macerator Pump Instruction Manual

Model: FLO1200-BGS PRO | Brand: MixBubole

Contents	Introduction	Safety Information	Product Overview	Package		
	Installation	Operation	Maintenance & Support	Troubleshooting	Specifications	Warranty

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your MixBubole FLO1200-BGS PRO 1500W Macerator Pump. This pump is designed for use with conventional toilets featuring a bottom outlet, and is suitable for pumping wastewater from toilets, washing machines, wash basins, and shower cabins where gravity drainage is not feasible. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.



Figure 1: MixBubole FLO1200-BGS PRO Macerator Pump, front view with inlet and outlet connections.

2. SAFETY INFORMATION

Always adhere to local plumbing and electrical codes during installation. Failure to do so may result in property damage, injury, or death. This device operates on 110V-120V/60Hz electrical power. Ensure the power supply is disconnected before performing any installation, maintenance, or troubleshooting.

- Do not operate the pump if the power cord is damaged.
- Ensure proper grounding to prevent electrical shock.
- Do not pump flammable liquids or chemicals.
- Avoid flushing foreign objects such as large plastic items, metal, or excessive amounts of sanitary products not designed for macerating systems.
- Keep children and unauthorized personnel away from the unit during operation.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.

3. PRODUCT OVERVIEW AND FEATURES

The MixBubole FLO1200-BGS PRO is a powerful 1500W macerator pump designed for efficient wastewater management in residential settings. It features a robust motor, advanced grinding capabilities, and multiple inlet/outlet options for versatile installation.

Key Features:

- **High Performance:** 1500W motor with 2800 GPH flow rate, capable of vertical pumping up to 32.8 ft and horizontal pumping up to 328 ft.
- **Efficient Maceration:** Sharpened stainless steel grinding blade effectively cuts waste for smooth water flow.

- **Versatile Connections:** Four 40mm universal wastewater inlets and two outlets allow connection to toilets, bathtubs, basins, showers, laundry, and kitchen sinks.
- **Automatic Operation:** Fully automatic ON/OFF mechanism activates at 3 inches water level and shuts off at 2 inches. Includes a manual test button.
- **Durable Motor:** 1500W heavy-duty motor with all-copper coils, oil-filled for protection, designed to prevent overheating and withstand continuous water temperatures up to 60°C (or 4 hours at 90°C).
- **Quiet Operation:** Operates at approximately 45 dB for minimal disruption.
- **Odor Control:** Replaceable activated carbon module ensures an odor-free environment.
- **Water Resistance:** IPX4 waterproof design for enhanced durability.
- **PCB Delay Function:** Upgraded model includes a time delay to prevent frequent cycling and ensure quiet operation.

1500W MACERATOR PUMP

FOR CONVENTIONAL TOILET WITH A BOTTOM OUTLET



Toilet



Washing Machine

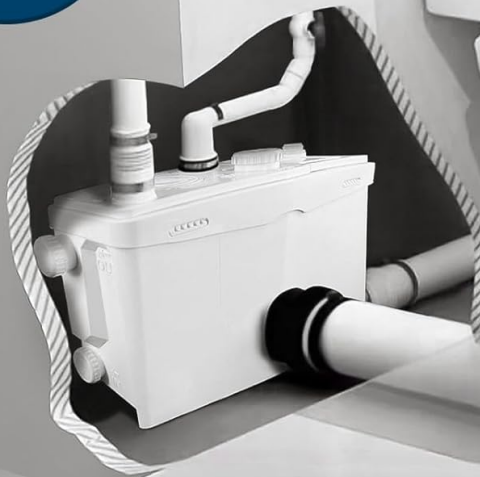


Wash Basin



Shower Cabin

MAX
2800
GPH



2HP

Max 32.8 ft Vertical
Max 328 ft Horizontal

Figure 2: Overview of the 1500W Macerator Pump's applications and performance capabilities.



ALL-COPPER WIRES MOTOR

The macerator pump is equipped with a powerful 1500W copper motor while providing a quiet operation without noise, robust and durable, long term operation.

SHARPENED STAINLESS STEEL GRINDING BLADE

Abrasive blades are used to cut any incoming waste such as sanitary napkins, condoms, cigarette butts, plastic film towels, wet wipes, etc. It has unparalleled cutting ability compared to other toilet pumps. The cost of this grinding blade alone is very high.



Figure 3: Details of the all-copper motor and sharpened stainless steel grinding blade.



WITH PCB DELAY FUNCTION

The upgraded model has a time delay, so the pump doesn't kick in too often and it runs super quietly. After reaching a certain water level and then sewage, more energy-saving.

UPGRADED STRUCTURE DESIGNED

This toilet sewerage pump is designed with an upgraded switch and upgraded the machine structure, providing better sealing performance and improved stability. Greatly improve machine lifespan, reduce failure rates, lower maintenance costs, and ensure worry free installation.



Figure 4: Illustration of the PCB delay function and the upgraded internal structure for improved sealing and stability.



4 WATER INLETS 2 OUTLET DESIGN

4 inlet ports for connecting multiple appliances, And the 2 outlet suitable for more installation scenarios, for example the toilet tank is covered to prevent the installation of a drain, you can choose the side drain.

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.

Figure 5: Features including the 4 water inlets, 2 outlet design, ability to withstand hot water, and IPX4 water resistance.

4. PACKAGE CONTENTS

Verify that all components listed below are included in your package before beginning installation.



- | | | |
|---|----------------------------------|-------------------------------|
| 1 FLO1200-BGS PRO Pump*1 | 2 Hose Clamp(32-50mm)*5 | 3 Plastic Inlet Hose*5 |
| 4 Toilet Connection Rubber Ring*1 | 5 Hose Clamp(40-60mm)*2 | 6 Activated Carbon*1 |
| 7 Check Valve With Plastic Elbow*1 | 8 Hose Clamp(110-120mm)*2 | 9 Plug*3 |
| | | 10 Front Lid*1 |

Figure 6: All components included in the MixBubole FLO1200-BGS PRO package.

1. FLO1200-BGS PRO Pump (x1)
2. Hose Clamp (32-50mm) (x5)
3. Plastic Inlet Hose (x5)
4. Toilet Connection Rubber Ring (x1)
5. Hose Clamp (40-60mm) (x2)
6. Activated Carbon (x1)
7. Check Valve with Plastic Elbow (x1)
8. Hose Clamp (110-120mm) (x2)
9. Plug (x3)
10. Front Lid (x1)

5. INSTALLATION AND SETUP

The MixBubole FLO1200-BGS PRO is designed for installation with conventional toilets that have a bottom outlet. It can also connect to other wastewater fixtures. Ensure the pump is placed on a stable, level surface.

General Installation Steps:

1. **Positioning:** Place the macerator pump behind the toilet or in an accessible location that allows for proper pipe connections and maintenance. The compact design allows for installation in shallow spaces, such as under basins.
2. **Toilet Connection:** Connect the toilet's bottom outlet to the designated inlet on the macerator pump using the provided toilet connection rubber ring and appropriate clamps.
3. **Additional Inlets:** Connect other fixtures (sink, shower, washing machine) to the available 40mm universal wastewater inlets. Use the provided plastic inlet hoses and hose clamps to secure connections. Unused inlets must be sealed with the provided plugs.
4. **Discharge Pipe:** Connect the pump's outlet to the main sewage line. The pump supports 1", 1-1/4", and 1-1/2" discharge pipes. Ensure the discharge pipe has a minimum slope of 1/4 inch per foot (2%) for horizontal runs to prevent sediment buildup.
5. **Ventilation:** Ensure the vent hole (carbon filter) is clear and properly installed for odor control.
6. **Electrical Connection:** Connect the pump to a dedicated 110V-120V/60Hz grounded electrical outlet.
7. **Testing:** After all connections are secure, turn on the water supply and power to the unit. Perform a test flush or run water into connected fixtures to verify proper operation and check for leaks.

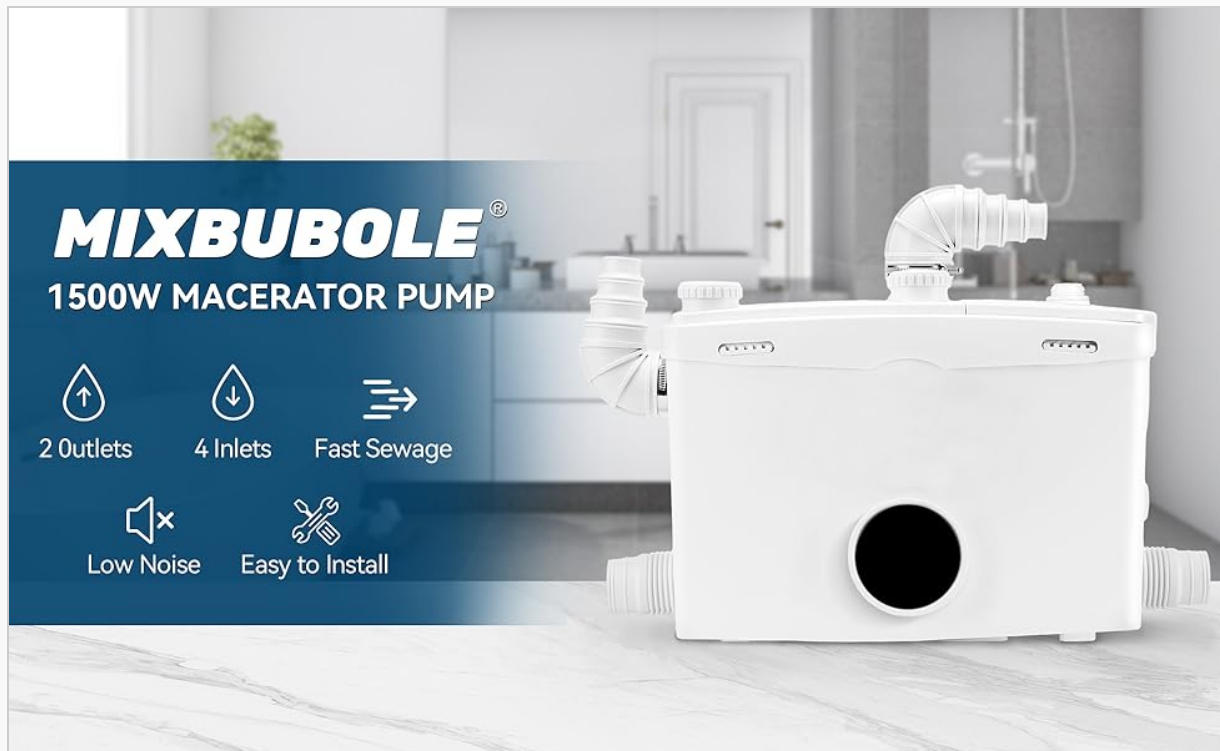


Figure 7: Typical installation diagram showing the macerator pump connected to a toilet.

COMPACT DESIGN

Perfect fit for various spaces



SHOWER ROOM



TOILET



WASHBASIN



LAUNDRY

Figure 8: Examples of the compact design fitting into various spaces like shower rooms, behind toilets, under washbasins, and near laundry machines.



Figure 9: Illustration of the pump's slim profile allowing for discreet installation behind a wall.



Figure 10: Diagram showing the compatibility with 1-1/2" (38mm), 1-1/4" (32mm), 1" (25mm), and 0.9" (23mm) pipe sizes for easy installation.

6. OPERATION

The MixBubole FLO1200-BGS PRO operates automatically once properly installed and connected to power. The pump is activated by the water level inside the unit.

- **Automatic Activation:** The pump will automatically turn ON when the water level inside the unit reaches approximately 3 inches.
- **Automatic Deactivation:** The pump will automatically turn OFF when the water level drops to approximately 2 inches.
- **PCB Delay Function:** The upgraded PCB (Printed Circuit Board) includes a time delay feature. This ensures the pump runs for a short period after the water level drops below the activation point, helping to clear the housing and prevent frequent short cycling, contributing to quieter and more energy-efficient operation.
- **Manual Test Button:** A manual button is provided for drainage tests or to manually activate the pump if needed. Refer to the product diagram for its location.



Figure 11: Depiction of the upgraded full-automatic switch mechanism for reliable operation.



Figure 12: Image showing the built-in check valve, which prevents backflow into the pump.

7. MAINTENANCE

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

- **Activated Carbon Module:** The activated carbon module helps eliminate odors. Replace it periodically (e.g., every 6-12 months, depending on usage) to maintain an odor-free environment. Refer to Figure 13 for replacement guidance.
- **Cleaning:** Periodically clean the exterior of the pump with a damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect all connections for leaks and ensure hoses are securely clamped. Check the power cord for any signs of damage.
- **Internal Cleaning (Professional Recommended):** For internal cleaning or inspection of the grinding blades, it is recommended to consult a qualified plumber or service technician. Always disconnect power before any internal inspection.



Figure 13: Instructions for replacing the activated carbon module to maintain odor control.

8. TROUBLESHOOTING

Before attempting any repairs, always disconnect the pump from the power supply. If the issue persists after following these steps, contact customer support.

Problem	Possible Cause	Solution
Pump does not start	No power supply Float switch stuck Motor fault	Check power connection and circuit breaker Ensure float switch moves freely Contact customer support

Problem	Possible Cause	Solution
Pump runs continuously	Float switch stuck Leak in system Check valve issue	Check float switch Inspect all connections for leaks Inspect or replace check valve
Poor pumping performance	Partial blockage Air lock Worn grinding blade	Clear any blockages in inlets/outlets Ensure proper venting Contact customer support for blade inspection
Unusual noise or vibration	Foreign object in grinder Motor bearing issue	Disconnect power and inspect grinder (professional recommended) Contact customer support
Odors present	Activated carbon filter exhausted Poor ventilation	Replace activated carbon module Ensure vent hole is clear

9. SPECIFICATIONS

Technical details for the MixBubole FLO1200-BGS PRO Macerator Pump.

Feature	Detail
Model	FLO1200-BGS PRO
Power	1500 Watts
Voltage	110-120V / 60Hz
Maximum Flow Rate	2800 GPH (46 Gallons Per Minute)
Maximum Vertical Lift	32.8 Feet
Maximum Horizontal Discharge	328 Feet
Motor Speed	8000 RPM
Water Inlets	4 (40mm universal)
Outlets	2
Material	Polypropylene (PP)
Product Dimensions (L x W x H)	16" x 8" x 11" (40cm x 20cm x 28cm approx.)
Item Weight	19 Pounds
Noise Level	45 dB
Water Resistance Rating	IPX4
Max Water Temperature	60°C continuous, 90°C for up to 4 hours



Figure 14: Diagram illustrating the product dimensions.



Figure 15: Diagram showing the vertical and horizontal pumping capabilities of the unit.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact MixBubole customer service through the retailer where the product was purchased or visit the official MixBubole website. Keep your purchase receipt as proof of purchase.