

## MixBubole FLO900-TQS PRO

# MixBubole FLO900-TQS PRO Macerator Pump Instruction Manual

**Model:** FLO900-TQS PRO | **Brand:** MixBubole

## 1. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before installing, operating, or performing maintenance on this product. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- **Electrical Safety:** Ensure the power supply matches the pump's requirements (110V-120V/60Hz). Always disconnect power before any service or maintenance.
- **Water Safety:** This pump is designed for clear wastewater without solid contents. Do not use for flammable liquids, corrosive chemicals, or large solid objects.
- **Installation:** Installation must comply with all local plumbing and electrical codes. Ensure proper ventilation and access for maintenance.
- **Children and Pets:** Keep children and pets away from the pump and its operating area.
- **Temperature:** The pump can handle continuous water temperatures up to 60°C (140°F) and up to 4 hours at 90°C (194°F). Do not exceed these limits.

## 2. PRODUCT OVERVIEW

The MixBubole FLO900-TQS PRO is a fully automatic 1200W macerator pump system designed for residential wastewater management where gravity drainage is not feasible. It effectively pumps wastewater from toilets, sinks, showers, laundry, and kitchen applications to a nearby outlet. The system features a robust motor, multiple inlets, and an automatic activation mechanism.



*Front view of the MixBubole FLO900-TQS PRO Macerator Pump.*

# 1200W MACERATOR PUMP



Toilet



Washing Machine



Wash Basin



Shower Cabin

**MAX**  
**2800**  
**GPH**








**1.6HP**

**Max 39.4 ft Vertical**  
**Max 394 ft Horizontal**

*Diagram highlighting key specifications: 1200W, Max 2800 GPH, 1.6HP, Max 39.4 ft Vertical lift, Max 394 ft Horizontal discharge.*

# Why Choose Us?



COMPARISON	FLO900-TQS PRO	Others
Products	<b>FLO900-TQS PRO</b>	Others
Connection	   	  
PCB Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power	<input checked="" type="checkbox"/> <b>1.6HP</b>	<input type="checkbox"/> 0.9HP
Inlets	<input checked="" type="checkbox"/> <b>5</b>	<input type="checkbox"/> 3
Outlets	<input checked="" type="checkbox"/> <b>2</b>	<input type="checkbox"/> 1
Vent	<input checked="" type="checkbox"/> <b>Internal</b>	<input type="checkbox"/> External
Max Vertical	<input checked="" type="checkbox"/> <b>39.4FT</b>	<input type="checkbox"/> 30FT
Max Flow	<input checked="" type="checkbox"/> <b>2800GPH</b>	<input type="checkbox"/> 2200GPH
Product Type	<input checked="" type="checkbox"/> <b>Pro</b>	<input type="checkbox"/> Basic
Size	<input checked="" type="checkbox"/> <b>15X11X7 inch</b>	<input type="checkbox"/> 14X10X6 inch

Comparison table detailing features of the FLO900-TQS PRO including 5 inlets, 2 outlets, internal vent, and 15x11x7 inch dimensions.



## ALL-COPPER WIRES MOTOR

The macerator pump is equipped with a powerful 1200W copper motor while providing a quiet operation without noise, robust and durable, long term operation.

## CRUSHES DEBRIS WITHOUT CLOGGING

Stainless steel reamer quickly crushes hardened dirt. Compatible with common toilet debris. Handles only urine and faeces and normal hand towels.



*Illustrations of the all-copper wire motor and stainless steel reamer blades for debris crushing.*



## 5 WATER INLETS 2 OUTLET DESIGN

5 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.

*Visuals demonstrating the 5 water inlets, 2 outlets, hot water resistance, and IPX4 waterproof design.*

### 3. PACKAGE CONTENTS

The MixBubole FLO900-TQS PRO Macerator Pump package includes the following components:

# PRODUCT DETAILS

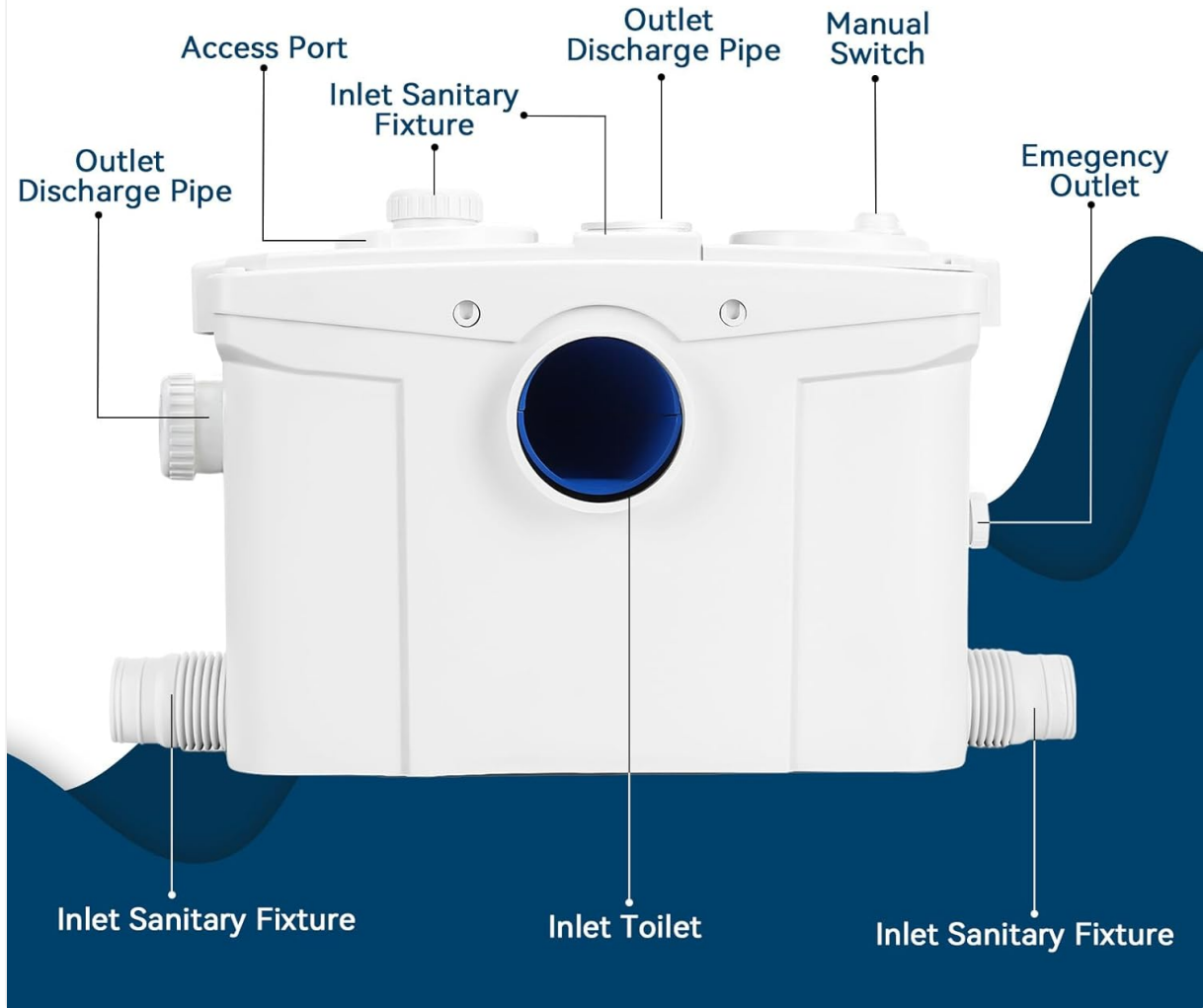


Diagram showing the macerator pump and all included accessories.

- FLO900-TQS PRO Macerator Pump Unit
- Plug Mounted On The Pump (x1)
- Hose Clamp (32-50mm) (x5)
- Plastic Inlet Hose (x5)
- Toilet Connection Rubber Ring (x1)
- Hose Clamp (40-60mm) (x2)
- Plug (x3)
- Check Valve With Plastic Elbow (x1)
- Hose Clamp (110-120mm) (x2)
- Front Lid (x1)

## 4. SPECIFICATIONS

Feature	Specification
Brand	MixBubole
Model Number	FLO900-TQS PRO

Feature	Specification
Wattage	1200 watts
Voltage	110-120 Volts / 60Hz
Maximum Flow Rate	2800 GPH (46 Gallons Per Minute)
Maximum Vertical Lift	39.4 Feet
Maximum Horizontal Discharge	394 Feet
Motor Speed	5000 RPM
Product Dimensions (L x W x H)	15" x 7" x 11" (approx. 19"L x 9"W x 16"H including connections)
Item Weight	18.81 pounds
Material	Polypropylene (PP)
Inlets	5 (Ø 40mm universal wastewater inlets)
Outlets	2
Noise Level	45 dB
Waterproof Rating	IPX4
Certifications	GS, CE (TUV)

## 5. INSTALLATION AND SETUP

The MixBubole macerator pump allows for flexible installation in various locations, including basements, without extensive plumbing modifications. It can be installed with the pump and pipes behind a wall or directly behind the toilet.

### HOW IT WORKS ?

MIXBUBOLE macerating pump system that greatly reduces the size of the waste products. Because of this, large diameter discharge lines are unnecessary. In fact, all that is needed is a 1" or 1-1/4" or 1-1/2" diameter discharge pipe.



#### WHAT IS A MACERATOR?

To "macerate" is to soften and break in pieces. MIXBUBOLE macerating systems use a stainless steel rotating blade to liquefy human waste and toilet paper. When mixed with flushing water the waste is pumped into a sanitary sewer as a fine slurry.



#### WHAT IS A GRINDER?

The grinder will accept accidental flushing of items such as feminine hygiene products. It grinds up the waste produced (i.e. toilet use, shower, washing machine, etc.) and pumps it into sewer as a fine slurry.

*Illustrations showing two common installation options: behind a wall or directly behind the toilet.*



*Example of a slim fit installation, allowing the pump to be hidden behind a wall.*

## 5.1 Connecting Appliances

The pump features five universal  $\text{\O}$  40mm wastewater inlets and two outlets, allowing connection to multiple fixtures:

- **Toilet:** Connect the toilet outlet directly to the designated inlet on the macerator pump.
- **Sink/Washbasin:** Connect the drain hose from the sink or washbasin to one of the universal inlets.
- **Shower/Bathtub:** Connect the shower or bathtub drain to an available inlet. Ensure proper slope for gravity flow into the pump.
- **Laundry/Kitchen:** Connect the discharge from washing machines or kitchen sinks to the remaining inlets.

Use appropriate hose clamps and sealing rings for all connections to prevent leaks. The discharge pipe should be 1" or 1-1/4" or 1-1/2" diameter. Ensure the discharge pipe has a slight downward slope (minimum 2%) after any vertical lift to prevent standing water.



*Diagram illustrating compatible pipe sizes for easy installation: 1-1/2" (38mm), 1-1/4" (32mm), 1" (25mm), 0.9" (23mm).*



*Diagram showing the maximum vertical lift of 12 meters (39.4 feet) and recommended horizontal discharge with a slight slope.*

## 6. OPERATION

The MixBubole FLO900-TQS PRO macerator pump operates with a fully automatic ON/OFF mechanism and a PCB delay function for efficient and quiet performance.

### 6.1 Automatic Activation

The pump activates automatically when the water level inside the unit reaches approximately 3 inches and shuts off when the level drops to 2 inches. This ensures efficient drainage and prevents unnecessary cycling.



*Close-up of the upgraded full-automatic switch, designed for safety and reliability.*

### 6.2 PCB Delay Function

The upgraded model includes a time delay function. This feature prevents the macerator pump from activating too frequently, contributing to quieter operation and energy savings. The pump runs for a short period after the water level drops to ensure the housing is clear.

### 6.3 Manual Drainage Test

A manual button is provided on the unit to allow for drainage tests or to clear the pump manually if needed. Refer to the product diagram for the location of this button.

## 7. MAINTENANCE

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

## 7.1 Cleaning and Debris Removal

In case of clogging, the cover on the top of the unit can be opened to access and agitate the blades, allowing for the removal of foreign objects without dismantling the entire water pump.



### 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 macerator pump is designed with an upgraded machine structure, providing better sealing performance and improved stability. It greatly improves machine lifespan, reduces failure rates, and lowers maintenance costs.



### MAINTENANCE

Cover on the top can be opened to agitate the blades and remove foreign objects when clogged, without having to dismantle the water pump. A manual button allows for drainage tests.

*Illustration showing the top cover access for maintenance and debris removal.*

## 7.2 Odor Control

The pump features a new enclosed design that traps odors inside, eliminating the need for activated carbon filters and regular replacement. This design contributes to a cleaner and more pleasant environment.



Comparison showing the enclosed design for odor prevention versus traditional activated carbon systems.

### 7.3 Check Valve

The pump includes a built-in check valve to prevent backflow of wastewater into the fixtures. Periodically inspect the check valve for proper function and ensure it is free from obstructions.



Close-up view of the built-in check valve mechanism.

## 8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your macerator pump.

Problem	Possible Cause	Solution
Pump not starting	No power; Clogged impeller; Faulty float switch	Check power connection and circuit breaker; Disconnect power and clear impeller; Contact customer support.
Pump running continuously	Float switch stuck; Leak in discharge pipe; Backflow from discharge	Check float switch for obstructions; Inspect plumbing for leaks; Verify check valve is functioning correctly.
Reduced flow or weak pumping	Partial clog; Air lock; Worn impeller	Clear any partial clogs; Bleed air from the system if applicable; Contact customer support for impeller inspection.

Problem	Possible Cause	Solution
Unusual noise or vibration	Foreign object in pump; Loose mounting; Motor issue	Disconnect power and inspect for foreign objects; Ensure pump is securely mounted; Contact customer support.
Leaks from connections	Loose clamps; Damaged seals; Improper installation	Tighten all hose clamps; Inspect and replace damaged seals; Re-check installation instructions.

## 9. WARRANTY AND SUPPORT

The MixBubole FLO900-TQS PRO Macerator Pump comes with a **1-year manufacturer's warranty**, ensuring quality and reliability. This warranty covers defects in materials and workmanship under normal use.

For technical assistance, troubleshooting, or warranty claims, please contact MixBubole customer service. Our dedicated support team is available **7 days a week, 24 hours a day** to assist you.

Please have your model number (FLO900-TQS PRO) and purchase date ready when contacting support to expedite service.