

FOTING FT-Q1100B121M

FOTING 1.5HP Submersible Sump Pump Instruction Manual

Model: FT-Q1100B121M

Brand: FOTING



1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your FOTING 1.5HP Submersible Sump Pump (Model FT-Q1100B121M). Please read these instructions thoroughly before installation and use to ensure proper function and longevity of the product.

2. SAFETY INFORMATION

WARNING: DO NOT RUN DRY.

The pump is designed for submersible use only. Operating the pump without being fully submerged in water can cause severe damage to the motor and void the warranty. Always ensure the pump is adequately submerged before connecting to power.

Always disconnect the power supply before performing any maintenance, cleaning, or when the pump is not in use. Ensure the power cord and plug are in good condition. Do not use if damaged. Avoid moving the pump by pulling the power cord.

This pump is equipped with a built-in automatic thermal overload protector to prevent motor burnout during dry running or overheating. If the pump stops unexpectedly, disconnect power, allow it to cool, and check for obstructions or low water levels before restarting.

3. PRODUCT FEATURES

- **Efficient Drainage:** 1.5HP oil-free PSC motor, capable of draining up to 5000 GPH (82.32 GPM) at a 5ft discharge lift, with a maximum vertical lift of 33ft.
- **Automatic & Manual Operation:** Features a float switch with a buckle design for continuous operation (when uplifted) or automatic ON/OFF based on water level.
- **Wide Applicability:** Drains water down to 1.77 inches from the surface and handles solids up to 1.38 inches. Suitable for pools, basements, pits, ponds, and other flooded areas.
- **Durable & Quiet:** Fully corrosion-resistant thermoplastic construction with thermal overload protection.

Operates quietly, typically below 60 dB.

- **Long Power Cord:** Equipped with a 16ft power cord for extended reach and safety.

4. PACKAGE CONTENTS

- 1 x FOTING 1.5HP Submersible Sump Pump
- 1 x 16 FT Power Cord (attached)
- 1 x GHT 1-1/2" Multi-Hose Adapter
- 1 x Instruction Manual

5. SETUP AND INSTALLATION

1. **Attach Discharge Hose:** Select the appropriate hose connector size on the multi-hose adapter (26mm, G1", 36mm, or G1-1/2") to match your discharge hose. Screw the adapter onto the pump's discharge outlet. Secure your discharge hose to the adapter.

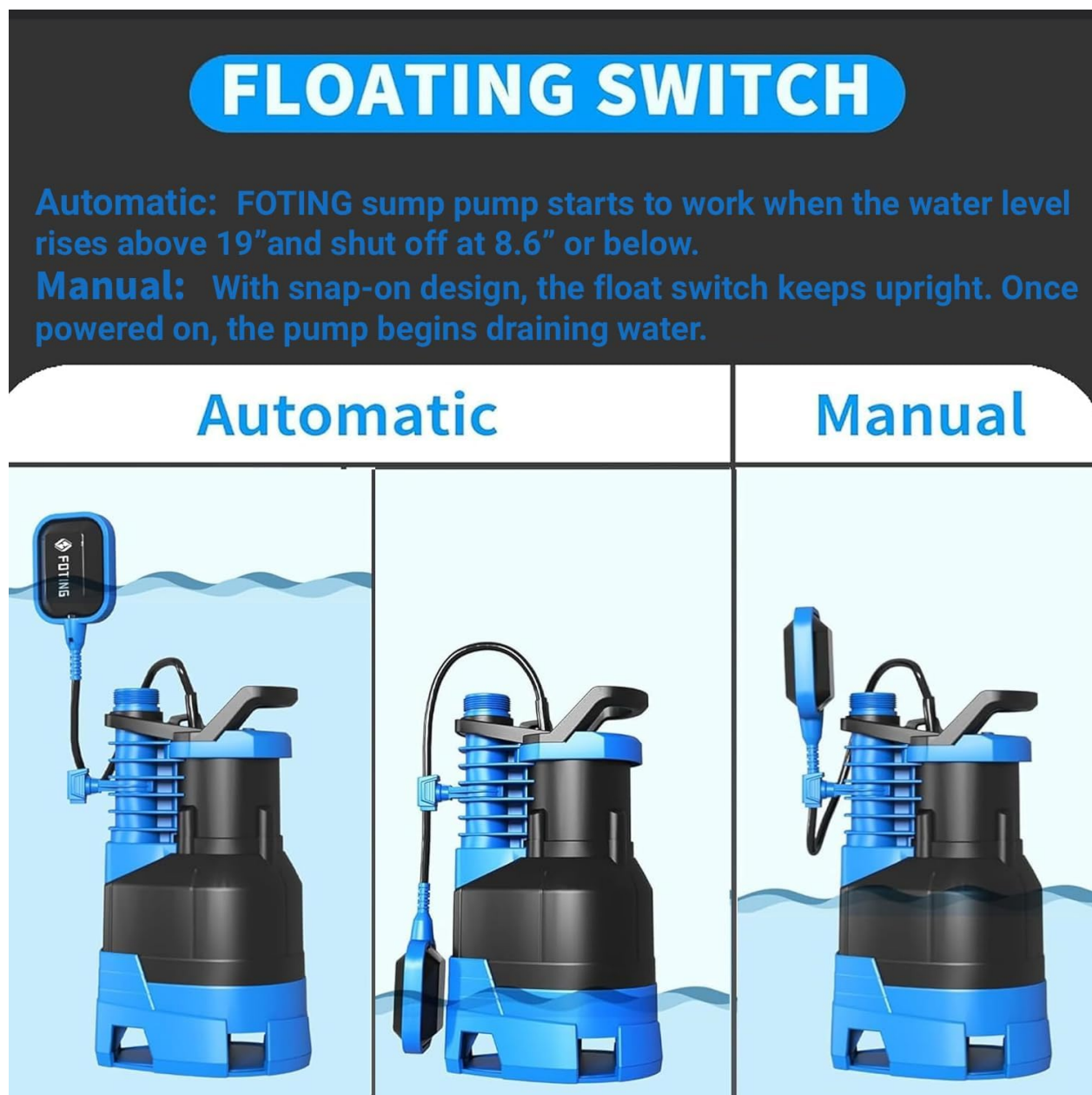


Image: The FOTING sump pump with the blue multi-hose adapter screwed onto the top discharge port. The adapter allows for various hose sizes.



Image: A diagram illustrating the multi-hose adapter with various connection points for different hose diameters (GHT 1-1/2", GHT 1", Φ 1-1/2", Φ 1-1/4", Φ 1").

2. **Position the Pump:** Place the pump on a level and solid foundation in the area to be drained. Ensure the exhaust hole is not blocked by debris.



Image: The FOTING sump pump partially submerged in water, showing the float switch floating on the surface. The pump is ready for operation.

3. **Adjust Float Switch:** The float switch controls the automatic operation. You can adjust the activation and deactivation water levels by moving the float switch clip along the pump body. Ensure the float switch can move freely without obstruction.

5000GPH INDUSTRIAL LEVEL MOTOR

1.5HP SUMP PUMP Made
It Possible for-Basement,
bathroom, garage

FOTING 

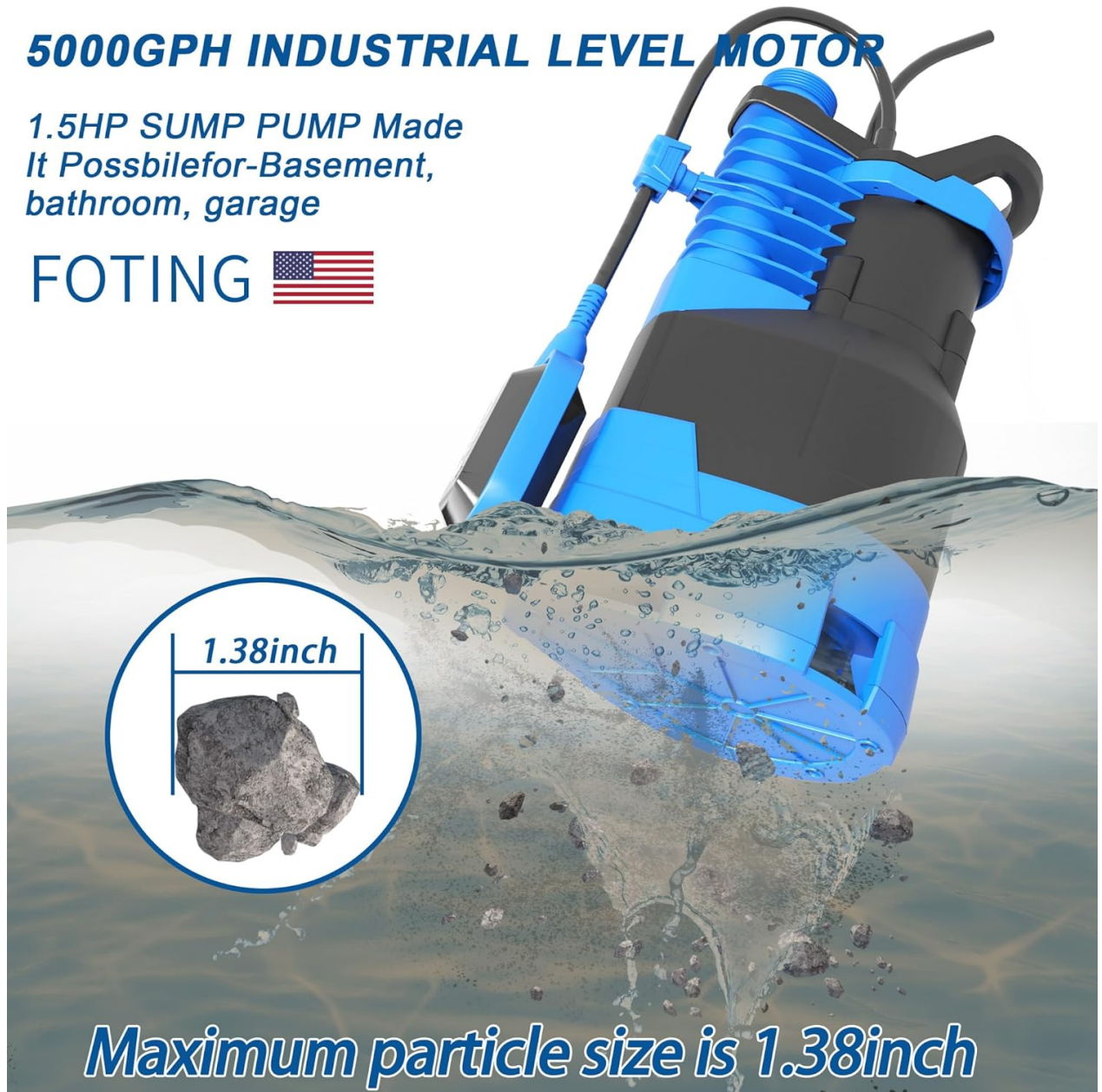


Image: A visual guide demonstrating the automatic and manual modes of the float switch. In automatic mode, the float rises and falls with water level. In manual mode, the float is secured upright for continuous pumping.

6. OPERATING INSTRUCTIONS

Automatic Mode:

In automatic mode, the pump will turn ON when the water level rises above approximately 19 inches and turn OFF when the water level drops to approximately 8.6 inches or below. To activate automatic mode, ensure the float switch is free to move with the water level.

Manual Mode:

For continuous pumping, or when the water level is too low to activate the float switch automatically, you can engage manual mode. Secure the float switch in an upright position using the buckle design on the pump body. The pump will operate continuously until unplugged. **Caution:** Monitor the pump closely in manual mode to prevent dry running.



Image: A hand clipping the float switch to the side of the pump body, demonstrating how to set it for continuous manual operation.

Initial Start-up:

Once the pump is positioned and the hose is connected, plug the power cord into a grounded electrical outlet. The pump will activate according to the selected mode and water level.



Image: A three-step visual guide showing the process: 1. Select appropriate pipe, 2. Plug in and place pump in water, 3. Wait for water to drain.

7. APPLICATIONS

The FOTING 1.5HP Sump Pump is suitable for various water drainage tasks, including:

- Draining swimming pools and hot tubs.
- Removing water from flooded basements and cellars.
- Emptying garden ponds and window wells.
- Transferring water from rain barrels.
- General utility pumping of clean and slightly dirty water.



Image: A collage showing six different scenarios where the FOTING sump pump can be used, such as draining a garden pond, swimming pool, hot tub, for parking irrigation, in a basement, and in flooded areas.

8. MAINTENANCE

- **Cleaning:** Regularly inspect the pump's intake screen for debris and clear any blockages to maintain optimal performance.
- **Storage:** When not in use, especially during freezing temperatures, drain all water from the pump and store it in a dry, protected area.
- **Inspection:** Periodically check the power cord for any signs of damage. Do not use the pump if the cord is frayed or cut.

9. TROUBLESHOOTING

- **Pump Not Starting:**
 - Check if the pump is plugged into a working power outlet.

- Ensure the float switch is in the correct position for automatic or manual operation and is not obstructed.
- Verify that the water level is sufficient to activate the float switch in automatic mode.
- Check for thermal overload protection activation. Disconnect power, allow the pump to cool, and inspect for blockages.

- **Reduced Flow/No Water Output:**

- Inspect the intake screen and impeller for debris or blockages.
- Ensure the discharge hose is not kinked or obstructed.
- Verify that the pump is fully submerged and not running dry.

10. SPECIFICATIONS

Specification	Value
Brand	FOTING
Model Number	FT-Q1100B121M
Power Source	AC
Horsepower	1.5 HP
Voltage	115 Volts
Wattage	1100 Watts
Frequency	60 Hz
Maximum Flow Rate	5000 GPH (84 Gallons Per Minute)
Maximum Lifting Height	33 Feet
Minimum Suction Level	1.77 inches from surface
Max Particle Size	1.38 inches
Cord Length	16 Feet
Material	Thermoplastic
Item Weight	13.68 pounds
Package Dimensions	16.65 x 9.45 x 7.09 inches

11. OFFICIAL PRODUCT VIDEOS

FOTING Sump Pump - Easy Setup and Demonstration

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Video: A detailed demonstration of the FOTING sump pump's easy setup and operation, showcasing its functionality in various scenarios. (Creator: DIY for Home and Life)

1.5 HP Sump Pump Submersible with Float Switch, 5000 GPH

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Video: This video highlights the features and performance of the 1.5 HP FOTING sump pump, demonstrating its 5000 GPH capacity and float switch operation. (Creator: Blue Fins)

1.5HP automatic sump pump for basement and pool

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Video: A brief demonstration of the FOTING 1.5HP automatic sump pump in action, suitable for basements and pools. (Creator: Blue Fins)

12. WARRANTY AND SUPPORT

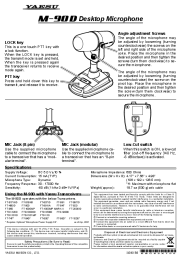
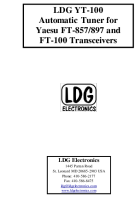
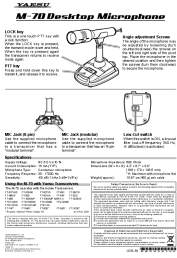
FOTING is committed to customer satisfaction. This sump pump features a mechanical seal design for efficiency and energy. For any questions or concerns, please do not hesitate to contact FOTING customer support. The product is designed for reliability and long-lasting performance, featuring an oil-free PSC motor and 1100W power output.



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Related Documents - FT-Q1100B121M

	<p>MAT-TUNER mAT-30 Automatic Antenna Tuner for YAESU Transceivers - Instruction Manual</p> <p>This document provides comprehensive instructions for the MAT-TUNER mAT-30 automatic antenna tuner, covering its specifications, installation, operation, and compatibility with YAESU transceivers.</p>
	<p>Yaesu Radio Modifications Guide: Enhance Your Equipment</p> <p>A comprehensive collection of technical modifications and guides for various Yaesu amateur radio transceivers and receivers, covering frequency expansion, audio improvements, and operational enhancements. Updated from www.mods.dk.</p>
	<p>Yaesu FT-991 TX Equalizer Settings Guide: Parameters and Visualizations</p> <p>Explore detailed TX equalizer settings for the Yaesu FT-991 HF/VHF/UHF transceiver. This guide includes menu parameters, factory defaults, and graphical representations of audio response curves, along with information on the FTRestore utility.</p>

	<p>Yaesu M-90D Desktop Microphone User Guide</p> <p>This document provides information on the Yaesu M-90D Desktop Microphone, including its features, specifications, and compatibility with Yaesu transceivers. It details the LOCK key, PTT key, angle adjustment screws, MIC jacks, and low-cut switch. The guide also includes safety precautions and disposal information for electronic equipment.</p>
	<p>LDG YT-100 Automatic Antenna Tuner Operations Manual for Yaesu Transceivers</p> <p>Comprehensive operations manual for the LDG YT-100 automatic antenna tuner, detailing installation, operation, specifications, and theory for Yaesu FT-100, FT-857, and FT-897 transceivers.</p>
	<p>Yaesu M-70 Desktop Microphone: Operation and Specifications</p> <p>Detailed information on the Yaesu M-70 desktop microphone, including its features, specifications, operating instructions, and compatibility with Yaesu transceivers. Learn about the LOCK key, PTT key, angle adjustment, low-cut switch, and connection types.</p>