

## Mellif MFWP-BR

# Cordless Water Transfer Pump User Manual

Brand: Mellif | Model: MFWP-BR

## 1. INTRODUCTION

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The Mellif Cordless Transfer Pump is designed for efficient water displacement from various areas. This electric utility pump features a powerful 13000RPM brushless motor, providing a maximum flow rate of 500 GPH. It offers versatility and convenience with self-priming capabilities and adjustable flow settings. The pump is battery-operated and includes a built-in LED light, 3/4 inch NH inlet/outlet for standard garden hose compatibility, and a water suction strainer for effective water removal down to 1/8 inch. It is ideal for a wide range of applications including water beds, sinks, swimming pools, boats, and garden irrigation, ensuring reliable performance for all your water transfer needs.

## 2. PRODUCT FEATURES

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- **Cordless Design:** Compatible with Makita 18V batteries, and includes two 2.0Ah Mellif batteries and one charger for enhanced portability.
- **Powerful Brushless Motor:** Equipped with a 13000RPM brushless motor for extended service life and superior performance, delivering a maximum flow rate of 500 GPH.
- **High Performance:** Achieves a suction height of up to 6 feet and a head height of 60 feet.
- **Self-Priming Capability:** Simplifies operation by eliminating the need to add water to the pump before use.
- **Adjustable Flow Settings:** Offers three flow rate options: 300 GPH, 400 GPH, and 500 GPH, suitable for various tasks.
- **Integrated LED Light:** Features two brightness levels (150 lm and 250 lm) for improved visibility in low-light conditions.
- **Versatile Connections:** Includes 3/4 inch NH inlet and outlet for compatibility with common garden hoses.
- **Efficient Water Removal:** Water suction strainer attachment allows removal of water down to 1/8 inch from the surface.
- **Wide Application:** Suitable for draining water beds, water heaters, sinks, swimming pools, flooded areas, boats, and for garden irrigation and cleaning.

### 3. WHAT'S INCLUDED

Your Mellif Cordless Water Transfer Pump package includes the following components:

- Mellif Cordless Water Transfer Pump Body
- 2 x 2.0Ah Mellif Lithium-Ion Batteries
- 1 x Battery Charger
- 1 x Water Suction Strainer (Intake Filter)
- 1 x Pair of Work Gloves (as shown in product images)

## CORDLESS WATER TRANSFER PUMP FOR MAKITA 18V / MELLIF 18V BATTERY



**CHARGER**



**2\* 2.0Ah BATTERY**



**INTAKE FILTER**

Image: The Mellif Cordless Water Transfer Pump, along with its included accessories: a charger, two 2.0Ah batteries, and an intake filter. A pair of work gloves is also shown.

### 4. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before operating this product. Failure to follow the

warnings and instructions may result in electric shock, fire, and/or serious injury.

## General Safety Warnings:

- Always wear appropriate personal protective equipment, such as safety glasses and gloves, when operating the pump.
- Do not operate the pump in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating the pump. Distractions can cause you to lose control.
- Store idle pumps out of the reach of children and do not allow persons unfamiliar with the pump or these instructions to operate the pump.
- Maintain the pump. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the pump's operation. If damaged, have the pump repaired before use.
- Use the pump and accessories in accordance with these instructions, taking into account the working conditions and the work to be performed.

## Electrical Safety:

- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the pump.
- Disconnect the battery pack from the pump before making any adjustments, changing accessories, or storing the pump.
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.

## 5. SETUP

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### 5.1 Charging the Battery

Before first use, ensure the batteries are fully charged. Connect the charger to a power outlet and insert the battery pack into the charger. The indicator light on the charger will show the charging status. Once fully charged, remove the battery from the charger.

### 5.2 Installing the Battery

Locate the battery compartment on the pump. Align the battery pack with the slot and slide it in until it clicks securely into place. Ensure the battery is firmly seated to prevent dislodgement during operation.

### 5.3 Connecting Hoses

The pump features 3/4 inch NH inlet and outlet ports. Connect a standard garden hose to the inlet port for water intake and another hose to the outlet port for water discharge. Ensure all connections are tight to prevent leaks. For optimal self-priming performance, the inlet hose length should not exceed 10 feet.


# SELF-PRIMING WATER PUMP

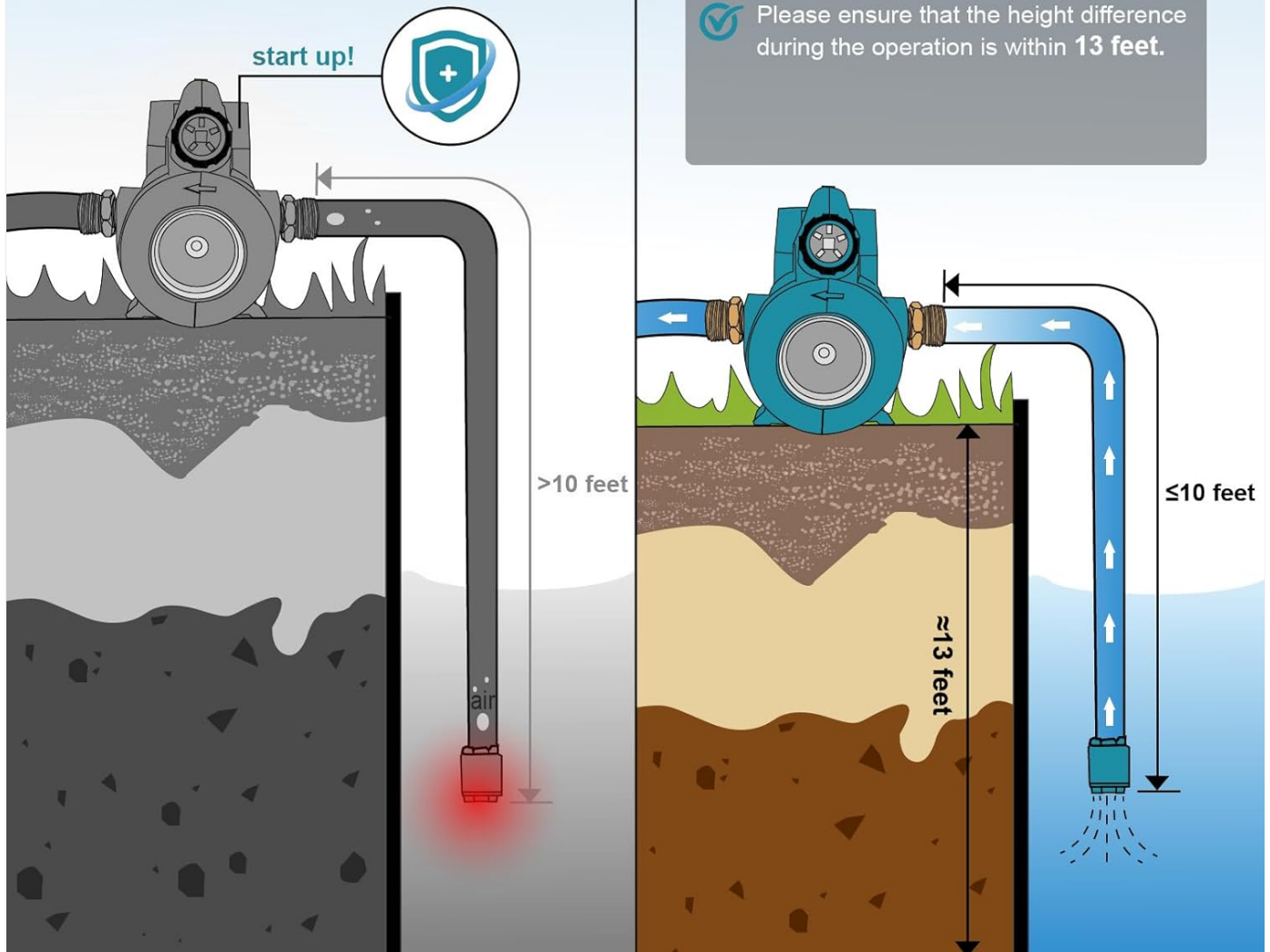


**A plug and play sort of experience**

Image: The Mellif Cordless Water Transfer Pump positioned on grass with an inlet hose connected to a water source (bucket) and an outlet hose ready for discharge. This illustrates the self-priming setup.

# PUMP OPERATION REQUIREMENTS

 **Note:** If your pump stops approximately 10 seconds after starting, this is not a malfunction. The pump's built-in dry-run protection feature has been activated to prevent damage.



- ✓ Please keep the inlet hose of the water pump within **10 feet**.
- ✓ Please ensure that the height difference during the operation is within **13 feet**.

Image: A diagram illustrating pump operation requirements. It shows that the inlet hose should be within 10 feet and the total height difference for pumping should be within 13 feet. It also highlights the dry-run protection feature, where the pump stops after approximately 10 seconds if no water is detected.

## 6. OPERATING INSTRUCTIONS

### 6.1 Starting the Pump

Once the battery is installed and hoses are connected, ensure the inlet hose is submerged in the water source. Press the power button to turn on the pump. The pump is self-priming and will begin to draw water automatically.

### 6.2 Adjusting Flow Rate

The pump offers three adjustable flow settings: 300 GPH, 400 GPH, and 500 GPH. Use the flow rate selector switch (typically labeled I, II, III) to choose the desired flow for your application.

# 3-SPEED FLOW RATE SETTINGS



Image: A close-up view of the Mellif pump's control panel, highlighting the 3-speed flow rate settings: I (300 GPH), II (400 GPH), and III (500 GPH).

## 6.3 Using the LED Light

The pump is equipped with a built-in LED light for operation in low-light conditions. There are two brightness levels: 150 lumens (LED I) and 250 lumens (LED II). Activate and adjust the LED light using the dedicated button or switch.

LED I: 150lm



**TWO BRIGHTNESS LED LIGHT**  
Designed for both day and night

LED II: 250lm



Image: Two views of the Mellif pump demonstrating its integrated LED light with two brightness levels: LED I at 150 lumens and LED II at 250 lumens, designed for both day and night use.

## 6.4 Stopping the Pump

To stop the pump, press the power button again. Always disconnect the battery pack when the pump is not in use or before performing any maintenance.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Mellif Cordless Water Transfer Pump.

- **Cleaning:** After each use, especially when pumping dirty water, flush the pump with clean water to remove any debris. Wipe down the exterior with a damp cloth.
- **Strainer Inspection:** Periodically check the water suction strainer for clogs or damage. Clean any accumulated debris to maintain efficient water flow.
- **Storage:** Store the pump in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the

battery is removed before long-term storage.

- **Battery Care:** Store batteries in a cool, dry place. For long-term storage, charge batteries to approximately 50% capacity. Avoid fully discharging batteries before recharging.

## 8. TROUBLESHOOTING

If you encounter issues with your pump, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Pump does not start	Battery not installed correctly or discharged. Power switch is OFF.	Ensure battery is fully charged and properly inserted. Turn the power switch ON.
Pump runs but no water flows	Inlet hose not submerged. Inlet hose too long or kinked. Suction strainer clogged. Dry-run protection activated.	Ensure inlet hose is fully submerged. Shorten inlet hose if over 10ft or straighten kinks. Clean the suction strainer. Restart pump after ensuring water source is available.
Reduced flow rate	Suction strainer clogged. Hoses partially blocked or kinked. Battery low. Incorrect flow setting.	Clean the suction strainer. Check hoses for obstructions or kinks. Recharge battery. Select a higher flow setting (II or III).
Pump stops unexpectedly	Battery discharged. Overheat protection activated. Dry-run protection activated.	Recharge battery. Allow pump to cool down. Ensure continuous water supply to prevent dry running.
Water leaks from connections	Hose connections are loose. Damaged O-rings or seals.	Tighten all hose connections. Inspect and replace any damaged O-rings or seals.

## 9. SPECIFICATIONS

Feature	Detail
Brand	Mellif
Model Number	MFWP-BR
Color	Blue
Material	Plastic
Style	Cordless, Brushless
Product Dimensions (L x W x H)	12.4" x 2.99" x 4.5"
Power Source	Battery Powered
Item Weight	3 Kilograms (6.6 pounds)
Maximum Flow Rate	500 GPH (8.3 Gallons Per Minute)
Maximum Lifting Height (Suction)	6 Feet

Feature	Detail
Maximum Head Height (Discharge)	60 Feet
Voltage	18 Volts (DC)
Wattage	180 watts
Motor Speed	13000 RPM
Battery Type	Lithium Ion
Included Batteries	2 x 2.0Ah (included)
UPC	739608068890

## 10. WARRANTY AND SUPPORT

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Mellif products are manufactured to high-quality standards and are guaranteed against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Mellif website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Mellif customer service. Contact information can typically be found on the product packaging or the official Mellif website. Please have your product model number (MFWP-BR) and purchase date ready when contacting support.