

## Hailea T20000

# Hailea T20000 Pond Water Pump Instruction Manual

Brand: Hailea | Model: T20000

## INTRODUCTION

The Hailea T20000 Pond Water Pump is designed for continuous operation in various water garden applications, including pond aeration, skimmer systems, filtration, and water features like waterfalls and fountains. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your pump.

## SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect the pump from the power supply before performing any maintenance, cleaning, or installation.
- Ensure the power cord and plug are in good condition. Do not operate the pump with a damaged cord or plug.
- The pump is designed for use with a properly grounded outlet. Do not remove the grounding prong or use an ungrounded adapter.
- Do not run the pump dry. Ensure it is fully submerged or has a continuous water supply when used inline.
- Keep children and pets away from the pump and water features while the pump is operating.
- The pump features an integral thermal cutout for overload protection. If the pump stops operating, disconnect it from power, allow it to cool, and check for obstructions before restarting.
- Do not use the pump for purposes other than those specified in this manual.

## PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking.

- Hailea T20000 Pond Water Pump with attached power cord
- Removable filter cover

- Instruction Manual (this document)

## SETUP

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The Hailea T20000 pump offers versatile installation options, allowing for both submersible and inline use.

### 1. Submersible Installation

1. Ensure the pump's filter cover is securely attached.
2. Connect the appropriate hose or piping to the pump's outlet. The pump supports 1.5-inch and 2-inch outlet sizes.
3. Place the pump in the desired location within the pond, ensuring it is fully submerged in water. The pump is designed to handle suspended solids up to 0.2 inches.
4. Route the 30-foot power cord safely to a grounded electrical outlet, avoiding kinks or damage.

### 2. Inline Installation

1. Remove the filter cover from the pump. This allows for direct inline attachment to skimmers, filters, or other water features.
2. Connect the inlet and outlet piping to the pump. Ensure all connections are secure and watertight. The pump supports 1.5-inch and 2-inch outlet sizes.
3. Position the pump in a stable location, ensuring it will receive a continuous supply of water to prevent dry running.
4. Route the 30-foot power cord safely to a grounded electrical outlet.



**Figure 1:** The Hailea T20000 Pond Water Pump. This image shows the pump's main body, the outlet connection, and the integrated handle, illustrating its compact design suitable for both submersible and inline applications.

## OPERATING INSTRUCTIONS

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1. **Initial Start-up:** After installation, ensure all connections are secure and the pump is either fully submerged or has a water supply for inline use.
2. **Power Connection:** Plug the pump's power cord into a suitable, grounded electrical outlet. The pump will begin operating immediately.
3. **Continuous Operation:** The Hailea T20000 is designed for continuous duty (24/7) operation. Monitor the water flow and pump performance regularly.
4. **Shut-down:** To turn off the pump, simply unplug it from the electrical outlet.

The pump provides a maximum water flow rate of 4835 gallons per hour (GPH) and a maximum head of 21.9 feet,

making it suitable for various pond sizes and water features.

## MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

1. **Disconnect Power:** Always unplug the pump from the power source before any maintenance.
2. **Clean Filter Cover (Submersible Use):** If used submersed, periodically remove the filter cover and clean any accumulated debris. This prevents clogging and maintains flow rate.
3. **Impeller Cleaning:** The impeller is removable for cleaning or replacement. Carefully disassemble the pump housing to access the impeller. Clean any debris, calcium buildup, or algae from the impeller and its chamber. Reassemble securely.
4. **Check for Obstructions:** Regularly inspect the pump's inlet and outlet for any blockages, especially if the flow rate decreases. The pump can handle suspended solids up to 0.2 inches, but larger debris can cause issues.
5. **Winterization:** In freezing climates, remove the pump from the water before temperatures drop below freezing. Clean it thoroughly and store it in a frost-free location.

## TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Pump does not start or operate.	No power supply; Thermal overload activated; Impeller jammed.	Check power connection and outlet. Disconnect, allow to cool, then restart. Disconnect power and inspect/clean impeller.
Reduced water flow.	Clogged filter cover/inlet; Impeller obstructed; Kinked hose.	Disconnect power and clean filter cover/inlet. Disconnect power and clean impeller. Check and straighten hose.
Pump is noisy.	Impeller obstructed or damaged; Pump running dry.	Disconnect power and inspect/clean impeller. Ensure pump is fully submerged or has adequate water supply.

## SPECIFICATIONS

- **Model:** T20000
- **Brand:** Hailea
- **Maximum Flow Rate:** 4835 GPH (Gallons Per Hour)
- **Maximum Head:** 21.9 feet
- **Power Consumption:** 320 watts
- **Power Source:** Corded Electric
- **Cord Length:** 30 feet
- **Outlet Sizes:** 1.5 inches and 2 inches
- **Material:** High-quality Aluminum (housing), Ceramic (shaft)
- **Dimensions (L x W x H):** Approximately 15.8 x 6.5 x 7.4 inches
- **Weight:** 14.75 pounds
- **Features:** Vortex impeller, Integral thermal cutout for overload protection, Handles suspended solids up to 0.2 inches.

- **Installation:** Submersible or Inline, Indoors or Outdoors

## WARRANTY AND SUPPORT

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The Hailea T20000 Pond Water Pump comes with a **3-year motor warranty** provided by the manufacturer. This warranty covers defects in materials and workmanship of the motor under normal use.

For warranty claims, technical assistance, or further support, please refer to the contact information provided with your purchase documentation or visit the official Hailea website. Keep your proof of purchase for warranty validation.