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› VIVOHOME 2.0 HP Swimming Pool Pump with Timer Instruction Manual

VIVOHOME SPP1500A

VIVOHOME 2.0 HP Swimming Pool Pump with Timer

Model: SPP1500A

1. INTRODUCTION

Thank you for choosing the VIVOHOME 2.0 HP Swimming Pool Pump with Timer. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new pool pump. Please read this manual thoroughly before installation and use, and retain it for future reference.



Image: VIVOHOME 2.0 HP Pool Pump with Timer, designed for efficient pool water circulation.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when installing and operating this electrical equipment. Failure to do so could result in serious injury or death. This pump is for permanent installation in inground pools only. Do not use with storable pools.

- **Electrical Safety:** Ensure the power supply matches the pump's voltage (115V). Use a UL-certified cord.
- **Grounding:** The pump must be properly grounded to reduce the risk of electric shock.
- **Water and Electricity:** Never operate the pump without filling it with water first. Running dry will damage the mechanical seal and impellers.
- **Temperature:** Do not expose the pump to temperatures exceeding 122 °F (50 °C).
- **Children:** Keep children away from the pump and pool area during operation.

- **Maintenance:** Disconnect power before performing any maintenance or cleaning.

3. PRODUCT FEATURES

- **High-Performance Motor:** 2 HP DOE-certified motor with copper wire for efficient, stable, and safe operation. Max flow of 7140 GPH and max head of 52.5 ft. Features thermal protection for extended service life.
- **Integrated Programmable Timer:** Dual-mode timer with 9 options (2 to 24 hours) for automated daily or single-cycle operation, optimizing energy consumption.
- **Durable Construction:** Commercial-grade, corrosion-resistant, reinforced thermoplastic body. IPX5 waterproof rating, capable of withstanding liquid temperatures up to 122 °F.
- **User-Friendly Design:** Detachable large filter basket for effective filtration of leaves, debris, and gravel. Transparent cover for easy inspection. Drain plug for convenient water drainage.
- **Easy Operation & Installation:** Includes adapters compatible with both 1.5-inch and 2-inch PVC pipe sizes (V40 and N50 standards).



Image: Diagram illustrating the high performance of the pump with 52.5 ft max head and 7140 GPH max flow.

Integrated Timer

Enable automatic cycles for effortless pool maintenance



Image: Close-up of the integrated timer panel with ON/OFF and TIMER buttons, showing 9 time options.

4. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking.

- VIVOHOME 2.0 HP Swimming Pool Pump with Timer
- 1.5-inch Interface Adapters (2x)
- 2.0-inch Interface Adapters (2x)
- User Manual (this document)



Image: The VIVOHOME pool pump shown with its included 1.5-inch and 2.0-inch pipe adapters.

5. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Ensure the installation site is level, well-ventilated, and protected from direct sunlight and excessive moisture.

5.1 Pipe Connection

1. Identify the appropriate PVC pipe size (1.5-inch or 2.0-inch) for your pool system.
2. Attach the corresponding interface adapters to the pump's inlet and outlet ports.
3. For a secure, leak-free connection, wrap Teflon tape around the male threads of the adapters before connecting them to your PVC pipes or hoses.
4. Ensure all connections are tight to prevent air leaks, which can affect pump priming and efficiency.

Easy Operation

Two sizes of adapters for user convenience



Image: Visual guide showing how to connect 1.5-inch and 2.0-inch PVC pipes to the pump's discharge port.

Simple Installation

Two simple outlet/inlet connection methods for users' convenience

- 1**   **1-1/2" PVC Pipe**
 - 2**   **1-1/2" PVC Pipe**  **2" PVC Hose**
- Teflon tape**



Image: Detailed illustration of pipe connection methods, including the use of Teflon tape for sealing.

5.2 Electrical Connection

- Connect the pump to a grounded 115V power outlet.
- Ensure the electrical circuit is protected by a Ground Fault Circuit Interrupter (GFCI) for safety.

6. OPERATING INSTRUCTIONS

6.1 Priming the Pump

IMPORTANT: Never turn on the pump without filling the strainer basket with water first. Running the pump dry will cause severe damage to the mechanical seal and impellers, voiding the warranty.

1. Remove the transparent lid of the strainer basket.
2. Fill the strainer basket completely with water from a hose or bucket.
3. Replace the lid securely, ensuring a tight seal.
4. Once filled, the pump is ready for operation.

6.2 Using the Integrated Timer

The pump features a programmable dual-mode timer for automated operation.

- **ON/OFF Button:** Press this button to start the pump in continuous mode or to turn it off. If the timer is set, pressing ON/OFF will initiate the programmed cycle.
- **TIMER Button:** Press this button to cycle through the 9 available running hour options (2h, 4h, 6h, 8h, 10h, 12h, 16h, 24h, OFF).
- When a time option is selected, the pump will run for that duration daily.
- Selecting "OFF" on the timer will disable the timed operation, allowing for manual ON/OFF control.

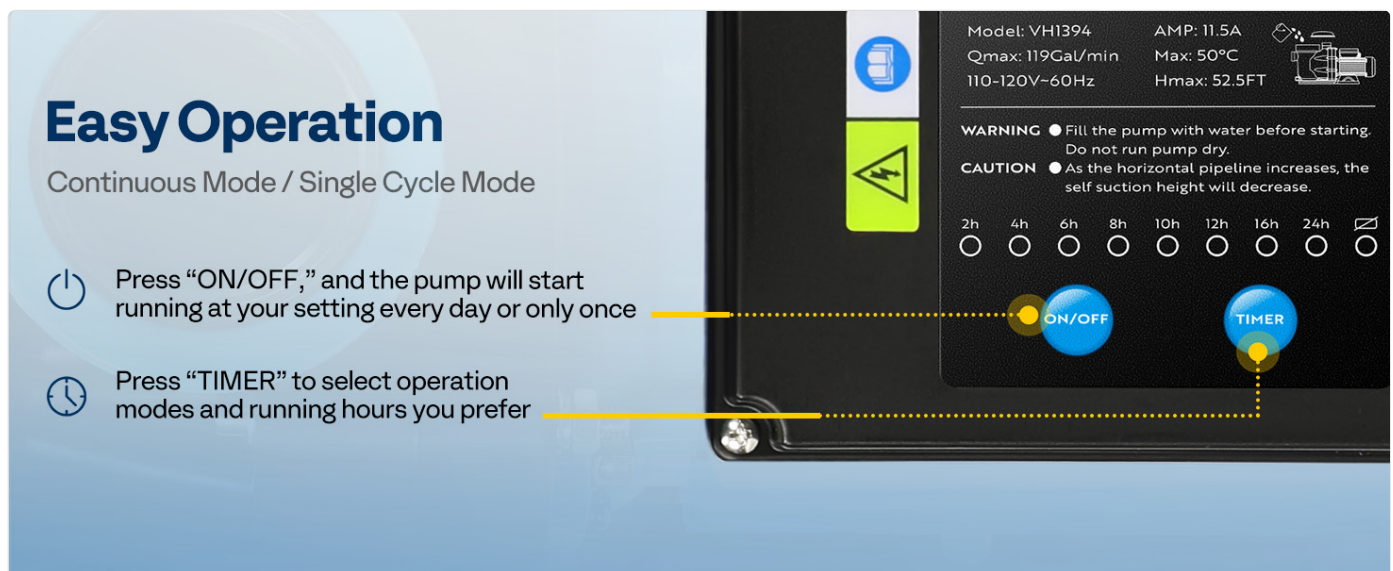


Image: Diagram showing the ON/OFF and TIMER buttons and how to select running hours for automated pool maintenance.

7. MAINTENANCE

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

7.1 Cleaning the Filter Basket

The large filter basket effectively captures leaves, debris, and gravel. Inspect it regularly through the transparent cover and clean as needed.

1. **Disconnect Power:** Always turn off and unplug the pump before cleaning.
2. **Remove Lid:** Unscrew and remove the transparent lid of the strainer basket.
3. **Remove Basket:** Lift out the detachable filter basket.
4. **Clean:** Empty any collected debris and rinse the basket thoroughly with water.
5. **Reassemble:** Place the clean basket back into the housing, ensuring it seats properly. Securely replace the transparent lid.

Large Filter Basket

Effectively filter impurities in water



Branch



Leaf



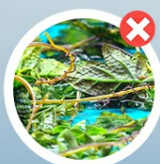
Gravel



Image: Illustration showing the large filter basket and types of debris it collects, such as branches, leaves, and gravel.

Extra-Large Filter Basket

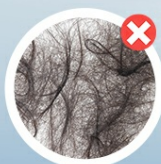
Detachable design makes it easy to clean.



Branch



Leaf



Hair



Image: Visual of the extra-large filter basket, highlighting its detachable design for easy cleaning of impurities like branch, leaf, and hair.

7.2 Draining the Pump

For winterization or extended periods of non-use, drain the pump to prevent freezing and damage.

- Locate the drain plug at the bottom of the pump housing.
- Rotate and pull out the drain plug to allow water to exit the pump.
- Once drained, replace the plug securely.

User-Friendly Design



Viewing Window

Convenient to observe and clean it up promptly



Drain Plug

Easy to rotate and pull it out for drainage



Image: Depiction of the drain plug location and its function for easy drainage.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your pool pump.

Problem	Possible Cause	Solution
Pump does not start or hums but does not pump water.	No power supply. Pump not primed. Air leak in suction line. Clogged impeller.	Check power connection and GFCI. Ensure strainer basket is filled with water. Check all pipe connections for tightness. Disconnect power and inspect/clear impeller.

Problem	Possible Cause	Solution
Low water flow or pressure.	Clogged filter basket.	Clean filter basket.
	Air leak in suction line.	Check all pipe connections.
	Low water level in pool.	Add water to the pool.
	Partially closed valve.	Ensure all valves are fully open.
Pump runs continuously despite timer setting.	Timer set to "OFF" or continuous mode.	Press the TIMER button to select a specific duration.
	Timer malfunction.	Contact customer support if the timer continues to malfunction.
Water leaking from pump.	Loose connections.	Tighten all pipe connections and strainer lid.
	Damaged O-rings or seals.	Inspect and replace damaged O-rings/seals.
	Cracked housing.	Contact customer support for housing damage.

9. SPECIFICATIONS

Attribute	Value
Model Number	SPP1500A (VH1394)
Power Source	Corded Electric
Voltage	115 Volts
Wattage	1500 watts
Horsepower	2.0 HP
Maximum Flow Rate	7140 GPH (119 Gallons Per Minute)
Maximum Head Lift	52.5 ft (18 Meters)
Material	Stainless Steel, Polypropylene (PP), Copper
Product Dimensions (L x W x H)	30.5 x 18 x 54.6 cm (12 x 7.1 x 21.5 inches)
Item Weight	11.5 kg (25.35 lbs)
Waterproof Rating	IPX5
Max Liquid Temperature	122 °F (50 °C)
Included Components	1.5 Inch Interface, 2.0 Inch Interface

Product Specifications

Package Dimension
23.8 x 8.5 x 14.0 inches

Package Weight
29.7 lbs.



Image: Diagram showing the physical dimensions of the VIVOHOME pool pump.



Powerful Motor

DOE-certified motor is equipped with pure copper wire that can keep the pump efficient and stable.

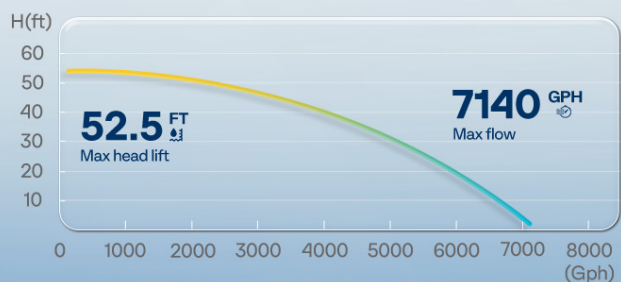


Image: Graph illustrating the pump's performance curve, showing max head lift and max flow rate.

10. WARRANTY AND SUPPORT

VIVOHOME products are designed for quality and reliability. For warranty information, technical support, or assistance with your product, please refer to the contact information provided with your purchase or visit the official VIVOHOME website.

VIVOHOME Store Link: [Visit the VIVOHOME Store on Amazon](#)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do you bond and ground the VIVOHOME SPP1500A pool pump system?

To ensure the safety of your VIVOHOME SPP1500A pool pump and to comply with electrical codes, follow these grounding and bonding guidelines based on the manual: Grounding: The pump must be properly grounded to...

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