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Model: 1.8HP

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Varpoolfaye 1.8HP Variable Speed Pool Pump. Designed for both inground and above-ground swimming pools, this pump features a permanent magnet motor for maximum efficiency, a built-in timer function, and four adjustable speed settings for quiet and energy-efficient operation. It includes a weatherproof motor cover and a large capacity filter basket for optimal performance and durability.



Image: Varpoolfaye 1.8HP Variable Speed Pool Pump, showcasing its compact design and integrated control panel.



Image: Close-up of the pump's permanent magnet motor, highlighting its low noise, overload protection, and durable construction.



Image: Visual representation of the variable speed pool pump's energy-saving capability, indicating up to 80% energy savings.

SETUP

1. Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect the pump and all accessories for any signs of damage. Contact customer support immediately if any damage is found.
- Ensure all listed components are present: pump unit, filter basket, weatherproof motor cover, and pipe adapters (2")

and 2.5").

2. Placement

- Place the pump on a solid, level surface, preferably concrete, close to the pool.
- Ensure adequate ventilation around the pump motor.
- Protect the pump from direct sunlight and excessive moisture. The included motor cover provides additional protection.

3. Plumbing Connection

The pump comes with adapters for 2-inch or 2.5-inch Schedule 40 rigid PVC pipe. Ensure compatibility before installation. Pipes labeled '2 inch' but manufactured to non-Schedule 40 wall dimensions are not compatible.



Image: Diagram illustrating pipe compatibility, emphasizing the use of 2-inch or 2.5-inch Schedule 40/80 rigid PVC pipe and incompatibility with non-Schedule 40 pipes.

1. Apply PVC primer and cement to the pipe and adapter surfaces.
2. Connect the appropriate adapters to the pump's inlet and outlet ports.
3. Connect the pool's plumbing lines to the pump adapters, ensuring all connections are watertight.

4. Electrical Connection

All electrical wiring must be performed by a qualified electrician and comply with local electrical codes.



Image: Diagram showing the electrical wiring connections for the pool pump, indicating hot wire (black), hot wire (white), and ground wire (green).

- Ensure the power supply matches the pump's voltage requirements (220V-240V).
- Connect the pump to a dedicated circuit breaker.
- Follow the wiring diagram provided in the image for correct connections: Black wire to Hot Wire, White wire to Hot Wire, Green wire to Ground Wire.
- Ensure all connections are secure and insulated.

OPERATING INSTRUCTIONS

1. Priming the Pump (First Use)

1. Ensure all valves are open and water can flow freely to the pump.
2. Remove the lid of the filter basket.
3. Manually fill the filter basket with water until the water level is above the pump's inlet.
4. Replace and securely tighten the filter basket lid.
5. Turn on the pump. It should begin to draw water and prime itself. If it does not prime within a few minutes, turn it off, recheck connections, and repeat the priming process.

Video: Demonstrates the priming process for the Variable Speed Pool Pump, including filling the basket and starting the pump.

2. Setting Speed and Timer

The pump features a digital control panel with four adjustable speed settings and a built-in 24-hour timer. This allows you to customize operation for optimal efficiency and water circulation.



Image: Close-up of the digital control panel, showing buttons for speed selection, menu, enter, and ESC, along with the display.

1. Press the 'MENU' button to access settings.
2. Navigate to 'Schedules' using the arrow keys and press 'ENTER'.
3. Select 'Schedule 1' (or any available schedule) and press 'ENTER'.
4. To set the 'Time On', select it, adjust the start time using arrow keys, and press 'ENTER' to confirm.
5. To set the 'Time Off', select it, adjust the end time using arrow keys, and press 'ENTER' to confirm.
6. To set the 'Speed' for the schedule, select it, choose one of the four speeds, and press 'ENTER' to confirm.
7. Ensure the 'Function' for the schedule is set to 'Enabled'.
8. Press 'ESC' multiple times to exit the menu and save settings.

Video: Step-by-step guide on how to set the time and speed schedules on the pump's control panel.

Video: Operating instructions for setting timer and speed settings on the pump's digital display.

3. Speed Settings Overview

- **Speed 1 (Low):** Ideal for continuous filtration and maintaining water clarity with minimal energy consumption and noise.
- **Speed 2 (Medium-Low):** Suitable for regular daily filtration.
- **Speed 3 (Medium-High):** Use for moderate cleaning or when pool usage is higher.
- **Speed 4 (High):** For backwashing, vacuuming, or when rapid water circulation is needed.



Image: Illustration of the pump's steady circulation, showing maximum flow of 9144 GPH and maximum lift of 79 FT at 1.8HP.

MAINTENANCE

1. Cleaning the Filter Basket

The oversized filter basket captures debris and should be cleaned regularly to ensure efficient pump operation.



Image: The extra-large filter basket, shown collecting leaves and debris, emphasizing its capacity for debris capture.

1. Turn off the pump and disconnect power.

- 2. Close any necessary valves to prevent water flow.
- 3. Unscrew and remove the filter basket lid.
- 4. Lift out the filter basket and empty any collected debris.
- 5. Rinse the basket thoroughly with water.
- 6. Place the clean basket back into the pump, ensuring it is seated correctly.
- 7. Replace the lid and tighten securely. Reopen valves and restore power.

2. Winterization (for colder climates)

- Drain all water from the pump and plumbing lines to prevent freezing damage.
- Store the pump in a dry, protected area if possible.
- Consult a pool professional for specific winterization procedures for your region.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power; tripped breaker; motor overload	Check power supply; reset breaker; allow motor to cool and reset.
Pump not priming	Low water level; air leak in suction line; clogged basket	Fill basket with water; check all connections for leaks; clean filter basket.
Reduced water flow	Clogged filter; dirty impeller; restricted plumbing	Clean filter/basket; inspect impeller for debris; check plumbing for blockages.
Excessive noise/vibration	Air in system; loose mounting; worn bearings	Bleed air from system; tighten mounting bolts; contact support for motor inspection.

SPECIFICATIONS



Image: Diagram showing the key specifications and dimensions of the Varpoolfaye 1.8HP Variable Speed Pool Pump.

Feature	Detail
Brand	Varpoolfaye
Model	1.8HP
Horsepower	1.8 HP
Voltage	220V-240V (AC)
Maximum Flow Rate	9114 GPH (151.9 Gallons Per Minute)
Material	Cast Iron, Stainless Steel
Style	Inground/Above Ground

Feature	Detail
Item Weight	34.7 pounds
Package Dimensions	30.3 x 14.5 x 12 inches
Motor Type	Permanent Magnet Motor
Features	Built-in Timer, Variable Speed Settings, Weatherproof Motor Cover, Large Capacity Filter Basket

WARRANTY AND SUPPORT

For specific warranty details and to register your product, please refer to the documentation included with your pump or visit the official Varpoolfaye website. For technical support, troubleshooting assistance, or parts inquiries, please contact Varpoolfaye customer service.

You can find more information and contact details on the official Varpoolfaye store page:[Varpoolfaye Store](#)

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