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Garvee 1.5 HP

Garvee 1.5 HP Swimming Pool Pump Instruction Manual

Model: 1.5 HP

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1. Safety Information

Read and understand all instructions before installing, operating, or maintaining this product. Failure to follow these instructions could result in serious injury or death.

General Safety Precautions

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure the pump is properly grounded to prevent electrical shock.
- Do not run the pump dry. Always fill the pump with water before starting to prevent damage.
- Keep children and pets away from the pump and pool area during operation.
- Install the pump in a well-ventilated area, protected from direct sunlight and extreme weather conditions.
- Use only approved electrical wiring and connections that comply with local codes.
- Do not operate the pump if any part is damaged or if the power cord is frayed.

Electrical Safety

- This pump operates on 110-120V AC. Ensure your power supply matches this requirement.
- A Ground Fault Circuit Interrupter (GFCI) is recommended for all pool pump installations.

- All electrical wiring should be performed by a qualified electrician.

2. Product Components

The Garvee 1.5 HP Swimming Pool Pump includes the main pump unit, a strainer basket, a transparent lid, and various connection adapters for different hose sizes.

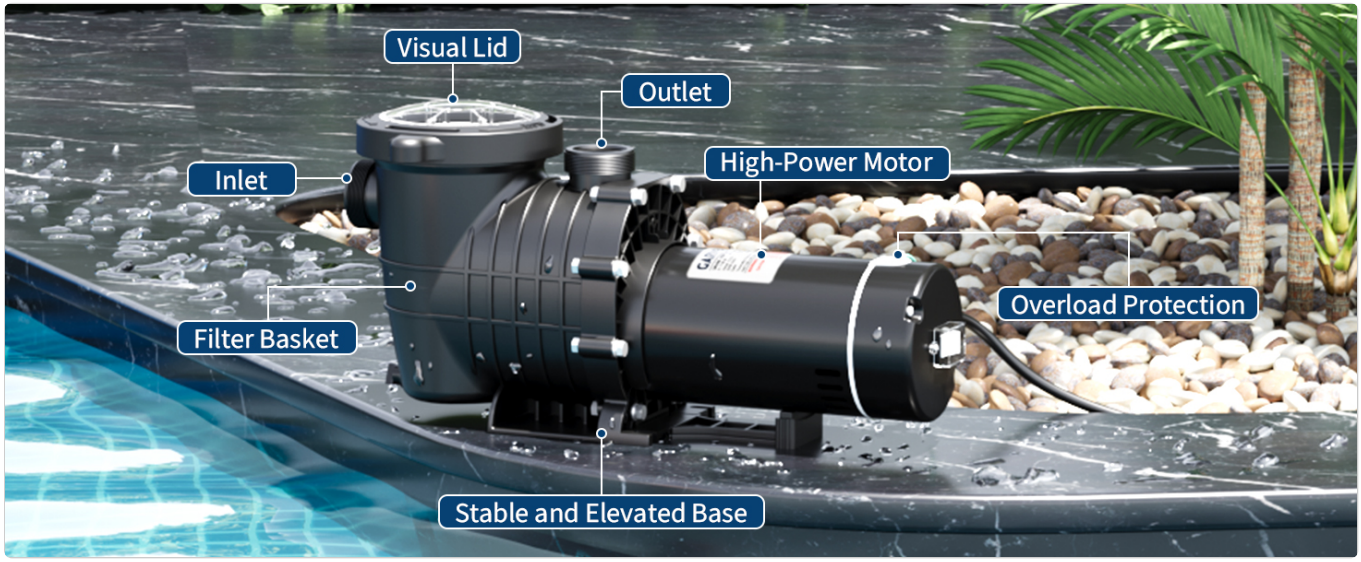

Figure 2.1: Overview of the Garvee 1.5 HP Swimming Pool Pump with labeled components including inlet, outlet, visual lid, filter basket, high-power motor, overload protection, and stable/elevated base.

Key Parts:

- **Pump Motor:** 1.5 HP pure copper motor with stainless steel housing, 1100W, 110-120V. Features built-in airflow ventilation and thermal overload protection.
- **Strainer Basket:** Detachable basket with a transparent PVC cover for easy monitoring and debris removal.
- **Inlet/Outlet Ports:** Designed for efficient water circulation.
- **Connection Adapters:** Includes 2x 1.5-inch, 2x 2-inch, and 2x 1.25-1.5 inch connectors for various hose sizes.
- **Base:** Rugged construction with bolt-down points for stable installation.

3. Setup & Installation

Location Selection

- Choose a level, solid surface for installation.
- Ensure the location is protected from rain and direct sunlight.
- Provide adequate ventilation around the pump motor.
- Position the pump as close to the pool as possible to minimize friction loss in plumbing.

Mounting the Pump

The pump features a stable base with pre-drilled holes for secure mounting. It can be bolted to concrete or wood surfaces.



Figure 3.1: The Garvee pool pump positioned for installation, showing its compact design and stable base.

Plumbing Connections

The pump is compatible with various pipe sizes and includes multiple adapters for flexible installation.

1. Identify the correct adapter size for your pool hoses (1.25", 1.5", or 2").
2. Attach the appropriate adapters to the pump's inlet and outlet ports. Ensure a tight, leak-free seal using thread sealant if necessary.
3. Connect your pool's suction hose to the pump's inlet (typically the side with the strainer basket) and the return hose to the pump's outlet.



Figure 3.2: Illustration of the pump's compatibility with different pipe sizes (1.25", 1.5", 2") and how to connect them.

Electrical Connection

- The pump is designed for 110-120V single voltage operation.
- Plug the pump directly into a properly grounded electrical outlet.
- Ensure the power outlet is protected by a GFCI.
- Connect the green grounding wire to an appropriate ground terminal.

4. Operation

Priming the Pump

Before starting the pump for the first time, or after cleaning the strainer basket, it is crucial to prime the pump:

1. Ensure all valves are open and water can flow freely from the pool to the pump.
2. Unscrew the transparent lid of the strainer basket.
3. Fill the strainer basket housing completely with water from a hose or bucket until the water level is above the pump's inlet.
4. Replace and securely tighten the transparent lid.
5. Turn on the pump. The pump should begin to draw water and circulate it. If it does not prime within a few minutes, turn it off, check for air leaks, and repeat the priming process.



Figure 4.1: The transparent lid allows for easy visual inspection of the detachable filter basket, crucial for priming and maintenance.

Normal Operation

- The pump is designed for continuous operation to maintain water clarity.
- Monitor the transparent lid for debris accumulation in the strainer basket.
- The pump operates quietly due to its high-efficiency motor and built-in airflow ventilation.



Figure 4.2: The powerful 1100W motor is designed for efficient and quiet operation, featuring over-temperature protection.

Applications

This versatile pump is suitable for various water circulation needs:

- Above-ground swimming pools
- In-ground swimming pools
- Hot tubs
- Saltwater systems
- Pond systems
- Water parks



Figure 4.3: Examples of the Garvee pump's broad application compatibility in different aquatic environments.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your Garvee pool pump.

Strainer Basket Cleaning

The transparent lid allows for easy visual inspection of the strainer basket. Clean the basket regularly, especially when visible debris accumulates or when water flow decreases.

1. Turn off the pump and disconnect power.
2. Unscrew the transparent lid.
3. Remove the detachable strainer basket.

4. Empty any debris and rinse the basket thoroughly with water.
5. Inspect the basket for any damage.
6. Place the clean basket back into the pump housing.
7. Securely tighten the transparent lid.
8. Re-prime the pump as described in the Operation section before restarting.

Motor Care

- Keep the motor free from dirt, dust, and debris to ensure proper airflow and cooling.
- Do not obstruct the motor's ventilation openings.
- The motor is equipped with thermal overload protection, which will automatically shut down the pump if it overheats. If this occurs, allow the motor to cool down before restarting.

Winterization

If you live in an area with freezing temperatures, proper winterization is essential to prevent damage:

- Drain all water from the pump and plumbing lines.
- Store the pump in a dry, protected area during the off-season.

6. Troubleshooting

Troubleshooting Guide

Problem	Possible Cause	Solution
Pump does not start	No power; tripped GFCI; motor overload; faulty wiring.	Check power connection and GFCI. Reset if tripped. Allow motor to cool if overheated. Consult an electrician for wiring issues.
Pump runs but no water flow	Pump not primed; air leak in suction line; clogged strainer basket; closed valves.	Prime the pump. Check all connections for air leaks. Clean the strainer basket. Ensure all valves are open.
Low water flow	Clogged strainer basket; partially closed valves; dirty filter; undersized plumbing.	Clean strainer basket. Open all valves fully. Clean or backwash pool filter. Ensure plumbing is correctly sized.
Excessive noise or vibration	Air leak in suction line; pump not securely mounted; debris in impeller; worn bearings.	Check for air leaks. Securely bolt the pump to its base. Inspect and clean impeller. Contact support if bearings are suspected.
Water leaks from pump	Loose connections; damaged O-rings/gaskets; cracked housing.	Tighten all connections. Inspect and replace O-rings/gaskets. Contact support for cracked housing.

7. Specifications

Garvee 1.5 HP Swimming Pool Pump Technical Specifications

Feature	Detail
Brand	Garvee
Model Number	1.5 HP
Horsepower (HP)	1.5 HP
Power (Watts)	1100W
Voltage	110-120V
Max Flow Rate	6000 GPH
Power Source	AC
Item Weight	27.6 Pounds
Material	Pure copper motor, stainless steel housing, reinforced thermoplastic pump body.
Connection Options	2x 1.5 inch, 2x 2 inch, 2x 1.25-1.5 inch Connectors
UPC	199913357094



Figure 7.1: Visual representation of the pump's dimensions and core specifications.

Compatible Pool Sizes:

COMPATIBLE POOL SIZE AND SHAPE





Style	POWER	HP	Maximum Flow	Pool Volume （Gallon）
1.5 HP Dual Voltage	1100w	1.5HP	6500GPH	26000-39000
2.0 HP Dual Voltage	1500W	2.0HP	6800GPH	27200-40800
1.5 HP	1100W	1.5HP	6000GPH	23600-35400
2.0 HP	1500W	2.0HP	7100GPH	28400-42600
1.5 HP Dual Speed	1100W/270W	1.5HP/0.36HP	6000GPH	23600-35400

Figure 7.2: Guide for compatible pool sizes and volumes based on pump horsepower and flow rate.

8. Warranty & Support

Warranty Information

The Garvee 1.5 HP Swimming Pool Pump is backed by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. This typically covers defects in materials and workmanship under normal use.
Extended protection plans may be available for purchase. Refer to the provided documentation for details on these plans.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Garvee customer support through their official website or the contact information provided in your product packaging.
You can visit the Garvee Store for more information:Garvee Official Store

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What toggle switch position should I use for the Garvee HBP1100BP 1.5 HP Swimming Pool Pump?

Based on the manual for the Garvee 1.5 HP Swimming Pool Pump (Model HBP1100BP), there is no mention of a multi-position toggle switch for speed control, as this model is described as a single-voltage...

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