Swimline 325950

SWIMLINE HYDROTOOLS Hydro-Flo Above-Ground Pool Motor Pump User Manual

Model: 325950

1. Introduction

Thank you for choosing the SWIMLINE HYDROTOOLS Hydro-Flo Above-Ground Pool Motor Pump. 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 use and retain it for future reference.
This pump is designed to provide powerful and efficient water circulation for above-ground and on-ground pools, hot tubs, spas, thermal springs, and garden irrigation systems.

2. Important Safety Information

WARNING: Failure to follow these instructions can result in serious injury or death.

- Always disconnect power to the pump before performing any maintenance or service.
- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- Do not operate the pump if it is damaged or has exposed wiring.
- Keep children and unauthorized persons away from the pump and pool equipment area.
- Fill the pump with water during first use to properly onboard and avoid overheating.
- This pump is compliant with DOE, ETL, CSA, and UL security standard certifications.

3. Product Overview and Components

The Hydro-Flo pump features a professional-grade impeller motor and an extra-large strainer basket for efficient filtration. Its robust construction ensures durability and longevity.



Figure 3.1: Overview of the SWIMLINE HYDROTOOLS Hydro-Flo Pool Pump.



Figure 3.2: Key features highlighting the pump's durable construction, powerful impeller, UV & chemical resistance, and high-temperature resistance.



Figure 3.3: Diagram illustrating the 2,400 GPH flow rate and water circulation path.

4. Technical Specifications

Feature	Specification
Brand	Swimline
Model Number	325950
Horsepower (HP)	0.45 HP
Flow Rate	2400 GPH (Gallons Per Hour)
Maximum Water Lift	40 Ft.
Voltage	115V

Frequency	60 Hz
Maximum Temperature	104°F
Product Dimensions (L x W x H)	12.25" x 6.38" x 8.13"
Item Weight	12.25 Pounds
Material	Commercial Grade Thermoplastic
Discharge Type	Vertical Discharge (Can be converted to horizontal with modifications)



Figure 4.1: Visual representation of key pump specifications.

5. Setup and Installation

Proper installation is crucial for the pump's performance and longevity. This pump is designed for seamless compatibility with sand, cartridge, and DE filters.

5.1 Pre-Installation Checklist

- Ensure the installation site is level, well-drained, and protected from direct weather exposure.
- Verify that the electrical supply matches the pump's voltage requirements (115V, 60Hz).
- Gather necessary plumbing fittings and tools.

5.2 Installation Steps

1. **Positioning the Pump:** Place the pump on a solid, level surface near your pool or water feature. Ensure adequate ventilation around the motor.
2. **Plumbing Connections:** Connect the pump to your existing filtration system using appropriate PVC piping. The pump features vertical discharge. If horizontal discharge is required, proper modifications must be made by a qualified professional.
3. **Electrical Connection:** Connect the pump to a grounded electrical outlet. Ensure the circuit is protected by a Ground Fault Circuit Interrupter (GFCI).
4. **Initial Priming:** Before the first use, fill the pump's strainer basket housing with water. This is essential for proper onboarding and to prevent the pump from running dry and overheating.



Figure 5.1: The Hydro-Flo pump connected to a sand filter, demonstrating a typical setup.

6. Operating Instructions

The Hydro-Flo pump offers efficient operation for various pool and water system needs.

6.1 Starting the Pump

1. Ensure all valves are open and water can flow freely to and from the pump.
2. Verify the strainer basket is clean and the housing is filled with water.
3. Connect the pump to the power supply. The pump will begin operating.

6.2 Speed Settings (if applicable)

This pump is designed for optimal performance. While specific speed settings are not user-adjustable on this model, its design ensures efficient operation for both filtration and heating applications.

The pump's quiet operation makes it ideal for continuous use, especially when paired with an inverter heater for maintaining desired water temperatures without significant noise disruption.



Figure 6.1: The pump's versatile design allows it to be used with above-ground pools, hot tubs, spas, thermal springs, and garden irrigation systems.

7. Maintenance

Regular maintenance will extend the life of your pump and ensure optimal performance.

7.1 Strainer Basket Cleaning

The extra-large, industrial strainer basket is designed to effectively capture leaves, hair, and other debris, allowing for longer intervals between cleaning cycles. Its clear lid makes it easy to visually inspect when cleaning is required.

1. **Disconnect Power:** Always turn off and disconnect the pump from the power source before cleaning.
2. **Remove Lid:** Unscrew or unlatch the clear lid of the strainer basket housing.

3. **Remove Basket:** Carefully lift out the strainer basket.
4. **Clean Basket:** Empty debris from the basket and rinse it thoroughly with water.
5. **Inspect and Replace:** Inspect the basket for any damage. Replace the basket and ensure the O-ring is properly seated before securing the lid.



Figure 7.1: The extra-large strainer basket and transparent lid for easy debris monitoring and cleaning.

7.2 General Care

- Regularly check for leaks around connections and fittings.
- Keep the pump motor clean and free from debris to ensure proper ventilation.
- Protect the pump from freezing temperatures during winter months if applicable.

8. Troubleshooting

This section addresses common issues you might encounter with your Hydro-Flo pump.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped breaker/GFCI; motor overload.	Check power supply; reset breaker/GFCI; allow motor to cool if overheated.
Low water flow	Clogged strainer basket; restricted plumbing; air leak in suction line.	Clean strainer basket; check for blockages in pipes; inspect and seal suction line for air leaks.
Pump is noisy	Air in system; cavitation; worn bearings.	Bleed air from system; ensure adequate water supply; contact customer support if noise persists.
Pump not powerful enough for solar panels (low setting)	Low speed setting does not provide sufficient head pressure for elevated solar panels.	Switch to high speed setting for solar panel circulation.
Reduced vacuuming effectiveness	Lower suction power compared to higher HP pumps.	Ensure strainer basket is clear; consider using high speed setting for vacuuming.

9. Warranty and Customer Support

SWIMLINE HYDROTOOLS is committed to providing high-quality products and excellent customer service.

9.1 Warranty Information

Our pumps and motors are designed, tested, and distributed by our team based in New York, USA. We offer a **1-year guarantee** against manufacturing defects from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact our in-demand customer service team. Have your model number and purchase date ready when contacting support.
Visit the official Swimline Store for more information and products:Swimline Store



Figure 9.1: Information on Swimline's commitment to quality, over 50 years of experience, and New York, USA-based operations.

© 2025 Swimline. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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