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> AQUASTRONG In/Above Ground Pool Pump, High Flow (with Timer, 1.5HP, 8100 GPH, 220V) with Timer+220V 1.5hp

AQUASTRONG PSP150T

AQUASTRONG In/Above Ground Pool Pump Instruction Manual

Brand: AQUASTRONG | **Model:** PSP150T

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AQUASTRONG In/Above Ground Pool Pump. Designed for versatility, this 1.5HP pump delivers a robust flow rate of 8100 GPH, suitable for various pool sizes. Its built-in timer offers 9 settings for automated daily operation, ensuring convenient and worry-free pool maintenance. The ETL-certified motor ensures durability and safety, backed by a 2-year warranty for peace of mind.



Figure 1: AQUASTRONG In/Above Ground Pool Pump, 1.5HP model.

2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your pool pump. The pump includes two adapters (1.5-inch and 2-inch internal diameter) for flexible connection to different pool systems. A 6-foot UL-certified power cord is provided for safe and easy setup.

2.1 Component Identification



Figure 2: Key components of the AQUASTRONG pool pump, including inlet, outlet, filter basket, drain plug, motor, power cord, earthing terminal, timer, and lid opener.

2.2 Connection Methods

The pump supports two primary connection methods for its outlet and inlet:

- **Method 1:** 1.5-inch Schedule 40 PVC Pipe Glue Connection.
- **Method 2:** 1.5-inch Schedule 40 PVC Pipe Glue Connection + 2-inch PVC Hose with Clamp.

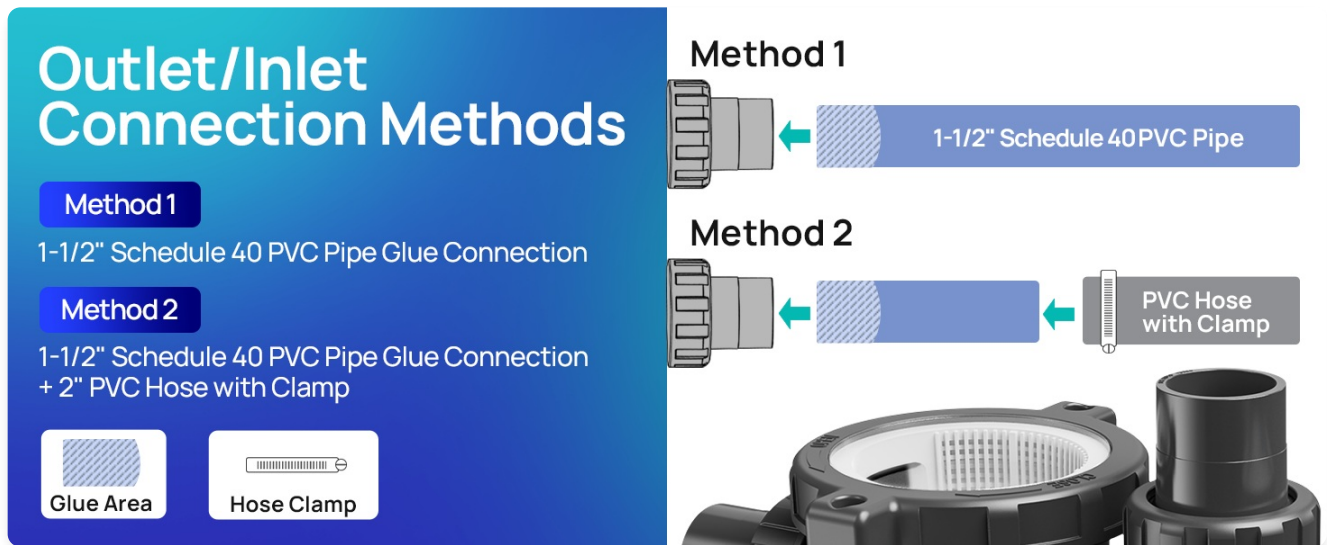


Figure 3: Visual guide for connecting the pump using PVC pipe or hose with clamp.

2.3 Installation Overview Video

Video 1: An overview of the AQUASTRONG 1.5HP In/Above Ground Pool Pump with Timer, demonstrating its features and ease of installation.

3. OPERATING INSTRUCTIONS

The AQUASTRONG pool pump features a built-in timer for automated operation, simplifying your pool maintenance routine. The timer offers 9 settings, allowing you to select run times from 2 to 24 hours.

3.1 Setting the Timer

1. Calculate the required pump run time based on your pool size and usage.
2. Wait until the desired start time for the pump.
3. Press the clock button on the timer control panel to choose the running hours (2, 4, 6, 8, 10, 12, 14, 16, 24 hours).
4. Once set, the pump will automatically start at the same time every day and run for the selected duration.

Swimming Pool Timing Plan

In just three steps



Step 1
Select daily start time



Step 2
Set running hours



Step 3
Turn on the pump

TIPS:

The time you set the timer will be recorded as a fixed daily start time.

Figure 4: Step-by-step guide for setting the integrated timer on the pool pump.



Setting The Timer

01

Calculate the pump run time based on the pool size.

02

Wait until the time you want the pump to start.

03

Press the clock button to choose the running hours.

04

It will run for the set hours each day at the current time.

! Tips

No functional difference between the indicator light flashing red or green.

Figure 5: Visual representation of the timer settings and indicator lights. Note: The indicator light flashing red or green has no functional difference.

4. MAINTENANCE

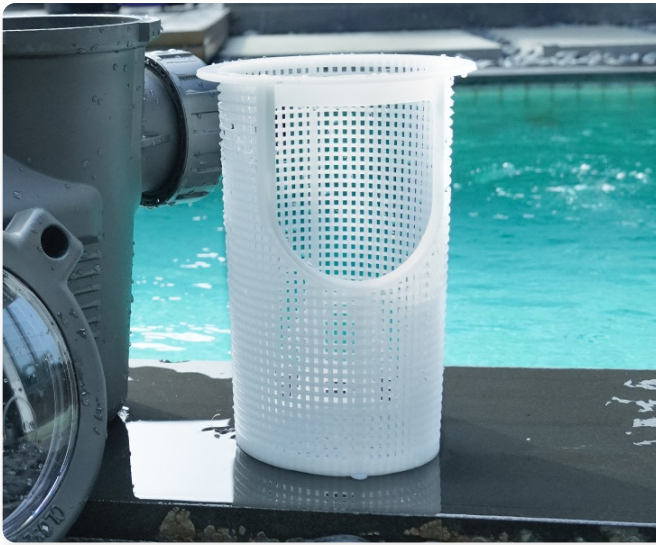
Regular maintenance ensures the efficient operation and extends the lifespan of your AQUASTRONG pool pump. The pump features a detachable, extra-large filter basket for easy debris removal.

4.1 Cleaning the Filter Basket

1. Turn off the pump and disconnect it from the power source.
2. Open the transparent lid of the filter basket.
3. Remove the filter basket and empty any collected debris (leaves, hair, grits, etc.).
4. Rinse the basket thoroughly with water.
5. Place the clean basket back into the pump and securely close the lid.



Figure 6: The extra-large filter basket effectively collects various debris, ensuring clean water circulation.



Detachable Basket Design

- Filter debris, hair, leaves, grits, etc.
- Easy to check and clean up debris in time.

Figure 7: The detachable basket design facilitates easy checking and cleaning of debris.

5. SPECIFICATIONS

Feature	Detail
Brand	AQUASTRONG
Model Number	PSP150T
Horsepower	1.5HP
Maximum Flow Rate	135 Gallons Per Minute (8100 GPH)
Voltage	220 Volts
Power Source	Corded Electric
Material	Metal, Stainless Steel
Product Dimensions	7 x 10 x 22 inches
Item Weight	26.5 pounds
Maximum Lifting Height	65 Feet
Country of Origin	China

5.1 Performance Curve

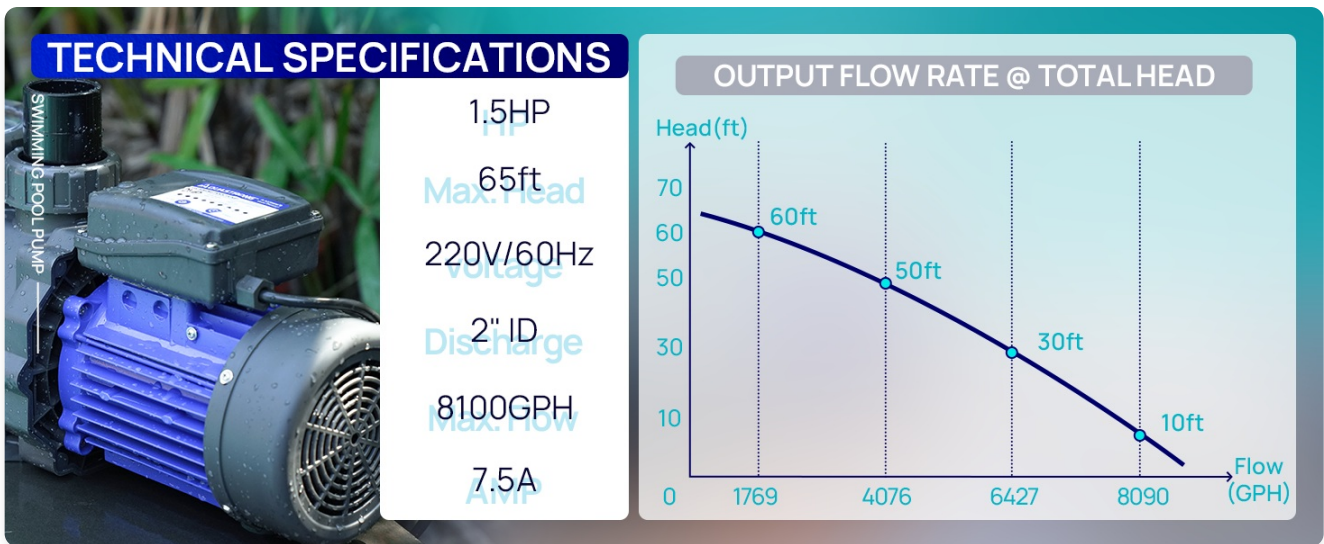


Figure 8: Chart illustrating the pump's output flow rate at various total head heights.

5.2 Product Dimensions Diagram

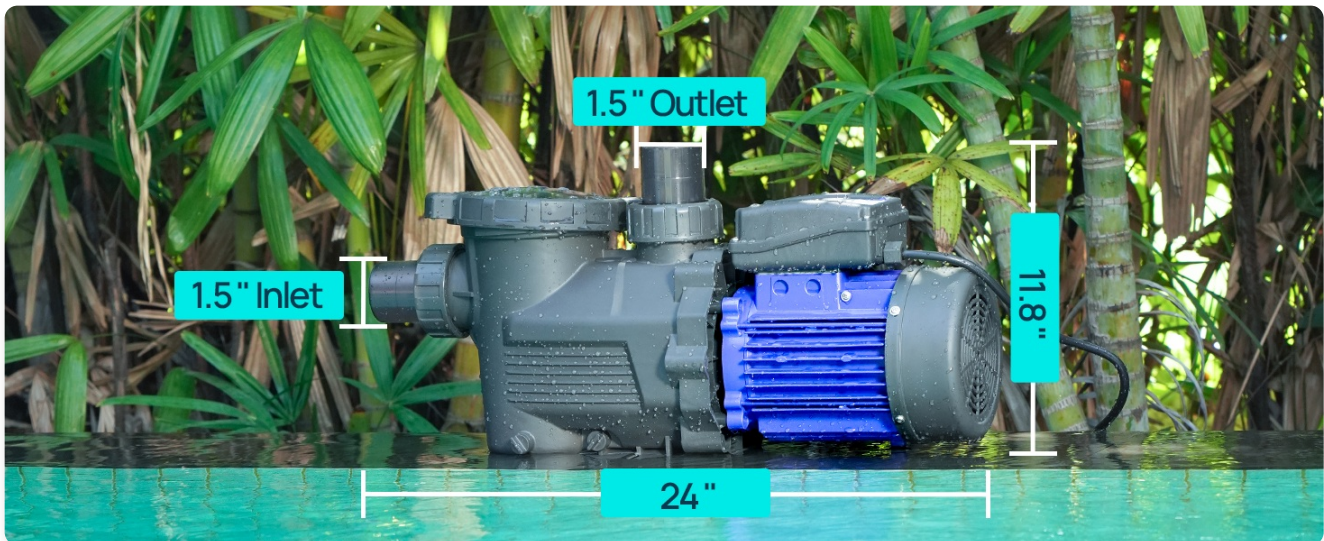


Figure 9: Detailed dimensions of the AQUASTRONG pool pump for installation planning.

6. TROUBLESHOOTING

If you encounter issues with your AQUASTRONG pool pump, refer to the following common troubleshooting steps:

- **Pump not starting:** Check power connection, ensure the timer is set correctly, and verify circuit breaker.
- **Low water flow:** Inspect the filter basket for debris, check for blockages in plumbing, and ensure proper water level in the pool.
- **Unusual noise:** Listen for foreign objects in the pump or impeller, check for loose connections, and ensure the pump is properly primed.
- **Water leaks:** Verify all connections are tight and seals are intact.

For persistent issues, please contact customer support.

7. WARRANTY AND SUPPORT

The AQUASTRONG pool pump comes with a 2-year warranty, ensuring peace of mind for years of trouble-free performance. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any product-related inquiries, please contact AQUASTRONG customer support. Refer to the contact information provided at the point of purchase or visit the official AQUASTRONG website.



AQUASTRONG

Aquastrong offers excellent after-sales service

Safe UL Cord

6ft cord tested for safety, performance, and compliance by UL.



Figure 10: The pump features a 6-foot UL-certified power cord for safety and comes with a 2-year warranty.