

## CIPU CSPPV711

# CIPU 1.5HP Variable Speed Pool Pump User Manual

Model: CSPPV711

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your CIPU 1.5HP Variable Speed Pool Pump, Model CSPPV711. Please read this manual thoroughly before installation and use, and retain it for future reference.



*Image 1.1: CIPU 1.5HP Variable Speed Pool Pump. A beige-colored CIPU 1.5HP Variable Speed Pool Pump with a grey motor housing, shown with water splashing around its base, indicating its function.*

## Product Features:

- **High Performance 1.5HP Inground Pool Pump:** Equipped with an efficient Permanent Magnet Synchronous (PMS) motor and pure copper wiring, this 1.5HP pump offers superior performance. Its reinforced thermoplastic body with heat dissipation painting resists weather corrosion and operates with a 20% lower temperature rise than traditional pumps, ensuring quiet operation and reduced maintenance. Suitable for various types and sizes of inground pools, spas, and hot tubs.
- **Intelligent Variable Speed Operation:** The pump features variable speed settings for optimized efficiency and energy savings. It can achieve a high flow rate of 6420 GPH for rapid filtration and can be adjusted to lower speeds for continuous, energy-efficient operation.
- **Installation and Maintenance:** Designed for user-friendly installation with 1.5-inch and 2-inch standard inlet/outlet connections. The intelligent control panel allows for easy mode selection. The large filter bucket with a transparent lid and detachable strainer simplifies cleaning.
- **Safety Assurance:** The pump is ETL certified and undergoes 100% manufacturer testing to ensure safety.

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these instructions can result in serious injury or death. All electrical work must be performed by a qualified electrician and comply with all local and national electrical codes.

- Always disconnect power to the pump at the circuit breaker before performing any service or maintenance.
- Ensure the pump is installed on a solid, level surface to prevent vibration and noise.
- Do not operate the pump if it is damaged or has exposed electrical wiring.
- Keep children and pets away from the pump during operation.
- Ensure proper grounding and bonding of the pump as per electrical codes.
- Never run the pump dry. Ensure the pump is fully primed with water before starting.

### 3. PRODUCT COMPONENTS

The CIPU Variable Speed Pool Pump consists of several key components designed for efficient pool filtration.



*Image 3.1: Pump Overview. The CIPU 1.5HP Variable Speed Pool Pump (Model CSPPV711) positioned on a wooden deck beside a blue inground swimming pool, highlighting its intended use.*

- **Motor Housing:** Contains the 1.5HP Permanent Magnet Synchronous (PMS) motor.
- **Pump Housing:** The main body of the pump, made from reinforced thermoplastic.
- **Strainer Basket:** A removable basket located under the transparent lid, designed to capture large debris before it reaches the impeller.

- **Transparent Lid:** Allows for visual inspection of the strainer basket without opening the pump.
- **Control Panel:** An intelligent interface for setting speeds, schedules, and monitoring pump status.
- **Inlet/Outlet Ports:** Standard 1.5-inch and 2-inch connections for plumbing.

## 4. SETUP AND INSTALLATION

### 4.1 Pre-Installation Checklist

- Ensure the installation site is level, well-drained, and protected from direct sunlight and excessive moisture.
- Verify that the electrical supply matches the pump's requirements (230V).
- Gather necessary tools: screwdriver, pipe wrench, PVC cement, primer, and appropriate wiring.

### 4.2 Plumbing Connections

The pump is designed for easy connection to 1.5-inch or 2-inch PVC pipes. Adapters are included for convenience.



*Image 4.1: Easy Connection. An image demonstrating the pump's inlet/outlet connections with a flexible pipe attached, highlighting the included 1.5-inch and 2-inch adapters for PVC pipes.*

1. Apply PVC primer and cement to the pipe ends and the inside of the adapters.
2. Securely attach the appropriate adapters to the pump's inlet and outlet ports.
3. Connect your pool's plumbing lines to the pump, ensuring all connections are watertight.

### 4.3 Electrical Wiring

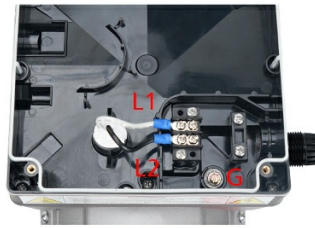
**IMPORTANT:** Electrical wiring should only be performed by a qualified electrician. Ensure power is disconnected at the circuit breaker before proceeding.



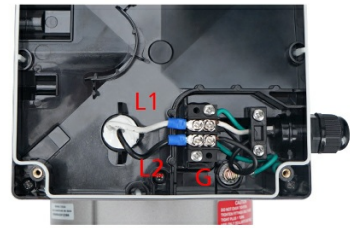
## Wiring Guide



**Step 1:**  
Use a screwdriver to loosen the screws on the panel and gently remove the panel



**Step 2:**  
We can see the junctions of L1, L2 and Grounding, unscrew them for wiring connection.



**Step 3:**  
Screw up and fix wires accordingly:  
L1 to Live Wire (White)  
L2 to Neutral Wire (Black)  
G to Grounding Wire (Green)  
Then screw up tightly

Image 4.2: Wiring Guide. A step-by-step visual guide showing how to open the control panel, locate the wiring junctions, and connect the L1 (Live), L2 (Neutral), and Grounding wires.

1. Use a screwdriver to loosen the four screws on the control panel cover and gently remove it.
2. Locate the junctions for L1 (Live), L2 (Neutral), and Grounding wires.
3. Connect the L1 wire (typically white), L2 wire (typically black), and Grounding wire (typically green) to their respective terminals.
4. Ensure all connections are tight and secure.
5. Replace the control panel cover and tighten the screws.

### 4.4 Priming the Pump

Before starting the pump for the first time or after draining, it must be primed to ensure it is filled with water.

1. Ensure all valves are open to allow water flow from the pool to the pump.
2. Remove the transparent lid and fill the strainer basket housing with water until it overflows.
3. Replace the lid, ensuring it is securely tightened to prevent air leaks.
4. Turn on the pump. It should begin to draw water and expel air. If water does not flow within a few minutes, turn off the pump, re-prime, and check for air leaks.

## 5. OPERATION

### 5.1 Control Panel Overview

The intelligent control panel allows for easy programming and monitoring of your pump.



**Ideal for Inground Pools Water  
All-Weather Filtration!**

## Hassle-free VS pump with intelligent control energy saving

### Upgrade intelligent panel operation

The program	Speed 1	Speed 2	Speed 3	Speed 4
Start up time	8:00AM (Adjustable)	10:00AM (Adjustable)	8:00PM (Adjustable)	10:00PM (Adjustable)
Time of operation	2H (Adjustable)	10H (Adjustable)	2H (Adjustable)	10H (Adjustable)
Default speed	2850 RPM (Adjustable)	1730 RPM (Adjustable)	2300 RPM (Adjustable)	1150 RPM (Adjustable)

( The default cycle is 22 hours a day)

Image 5.1: Control Panel. A close-up of the intelligent control panel with buttons for speed, time, and quick clean, alongside small images depicting different seasons, suggesting all-weather filtration capability.

The panel typically includes buttons for:

- **Speed Selection (1-4):** Allows selection of predefined or custom speeds.
- **Time/Duration:** For setting operational schedules.
- **Quick Clean:** Activates a temporary high-speed cycle for rapid filtration.
- **Start/Stop:** Manual control for turning the pump on or off.
- **Display:** Shows current speed, time, or error codes.

## 5.2 Setting Operating Schedules

The pump can be programmed to run at different speeds for specific durations throughout the day, optimizing energy consumption.

1. Press the 'Setting' button to enter programming mode.
2. Use the arrow buttons to navigate through speed settings (Speed 1-4) and their corresponding start times and durations.
3. Adjust the RPM for each speed setting as desired. Lower RPMs consume less energy.
4. Confirm settings to save the schedule. The pump will then operate according to the programmed schedule.

## 6. MAINTENANCE

---

Regular maintenance ensures the longevity and efficient operation of your pool pump.

### 6.1 Cleaning the Strainer Basket

The strainer basket should be inspected and cleaned regularly, especially after heavy use or storms.



*Image 6.1: Cleaning Strainer Basket. A hand lifting the white strainer basket, containing leaves and debris, from the pump's housing, illustrating the ease of maintenance.*

1. Turn off the pump and disconnect power at the circuit breaker.
2. Unscrew the transparent lid counter-clockwise.
3. Remove the strainer basket and empty any collected debris.
4. Rinse the basket thoroughly with water.
5. Inspect the O-ring on the lid for cracks or wear. Lubricate if necessary.
6. Replace the basket and securely fasten the lid.

### 6.2 Winterization

For regions experiencing freezing temperatures, proper winterization is crucial to prevent damage.

1. Turn off the pump and disconnect power.
2. Drain all water from the pump by removing the drain plugs (if applicable) and opening the strainer lid.

3. Store the pump in a dry, protected area if possible, or cover it with a waterproof tarp if it must remain outdoors.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Pump does not start	No power, tripped breaker, faulty wiring, motor issue.	Check power supply and circuit breaker. Verify wiring connections. Consult a qualified electrician if issues persist.
Low water flow	Clogged strainer basket, closed valves, air leak in suction line, low water level in pool.	Clean strainer basket. Ensure all valves are open. Check for and seal air leaks. Ensure adequate pool water level.
Pump is noisy	Air leak in suction, cavitation (pump running dry), debris in impeller, worn bearings.	Check for air leaks and ensure pump is primed. Clean impeller. If noise persists, professional service may be required.
Pump loses prime	Air leak in suction line, low water level, faulty check valve.	Inspect and seal all suction line connections. Maintain proper pool water level. Check or replace check valve if present.
Control panel error code	Over/under voltage, high temperature, over current, freeze protection.	Refer to the specific error code in the full instruction manual for detailed solutions. Address power supply issues, ensure proper ventilation, or check for blockages.

## 8. SPECIFICATIONS

Technical details for the CIPU 1.5HP Variable Speed Pool Pump (Model CSPPV711).

Feature	Detail
Brand	CIPU
Model Number	CSPPV711
Style	Variable Speed Pool Pump
Horsepower	1.5 HP
Voltage	230 Volts



Feature	Detail
Power Source	Electric
Maximum Flow Rate	107 Gallons Per Minute (6420 GPH)
Product Dimensions (L x W x H)	25.2" x 7.9" x 13.8"
Item Weight	34.5 Pounds
Material	Aluminum (motor), Reinforced Thermoplastic (pump housing)
Certifications	ETL/DOE Certificated

## 9. WARRANTY INFORMATION

This CIPU pool pump is covered by a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use and service. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from improper installation, misuse, neglect, unauthorized repairs, or acts of nature.

## 10. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your CIPU pool pump, please contact our customer support team.

You can reach us through our storefront by clicking "ask a question" or by sending an email to our support address. We aim to respond to all inquiries within 24 hours.