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> Oswerpon Pool Pump User Manual

Oswerpon HBP1500II(230V)

Oswerpon Pool Pump User Manual

Model: HBP1500II(230V)

For 2 HP 6900 GPH Self-Priming Pool Pumps

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Oswerpon 2 HP Dual Voltage Pool Pump. Designed for both above-ground and in-ground pools, this self-priming pump ensures powerful water circulation, maintaining clarity and health for pools ranging from 15,000 to 31,000 gallons. Please read this manual thoroughly before installation and operation.

SAFETY INFORMATION

Your safety is paramount. This pool pump is UL-certified, meeting international safety standards. Always adhere to the following precautions:

- **Electrical Safety:** Ensure proper grounding. The grounding wire provides additional safety protection.
- **Overheating Protection:** The pump features built-in automatic overheating and overload protection.
- **Priming: CAUTION:** Under no circumstances should the pump be switched on before being filled with water. This could potentially cause harm to the mechanical seals and impeller. It is imperative to verify the water level within the pump before initiating operation. Initially, ensure the presence of the pump's drain plug; if inserted, water must be added accordingly. Any surplus water will naturally permeate into the pipes, facilitating the generation of suction.
- **Water Temperature:** Do not operate the pump with water temperatures exceeding 104°F (40°C).
- **Installation:** Installation should be performed by a qualified professional in accordance with all local and national electrical and plumbing codes.

For detailed safety guidelines, refer to the [Safety Information \(PDF\)](#) document.

PRODUCT OVERVIEW

The Oswerpon Pool Pump is engineered for high performance and durability. Its robust design includes a

commercial-grade reinforced thermoplastic body and a powerful pure copper motor.



Figure 1: Oswerpon Pool Pump with various connection fittings and sealing tape.

Key Features:

- **Powerful Motor:** 2 HP pure copper motor for efficient, stable, and safe operation with long service life.
- **Dual Voltage:** Seamlessly accommodates 115V or 230V input, with an integrated voltage adjustment button.
- **High Flow Rate:** Achieves a maximum flow rate of 67.37 GPM (6900 GPH) and a maximum head of 55.7 FT.
- **Self-Priming:** Designed for automatic self-priming.
- **Strainer Basket:** Oversized, transparent filter basket for easy debris removal and inspection.
- **Quiet Operation:** Airflow ventilation and impeller design minimize noise.
- **Durability:** IP55 waterproof rating and heat-resistant sealing for extended motor lifespan.

2HP POOL PUMP IN/ABOVE GROUND



MAX.FLOW

6840GPH

MAX.SPEED

3450RPM

MAX.HEAD

56FT

Figure 2: Performance metrics of the 2HP Osverpon Pool Pump, highlighting maximum flow, speed, and head.

2HP DUAL-VOLTAGE MOTOR

High Voltage: 220-240V for in-ground pool

Low Voltage: 110-120V for above ground pool



Figure 3: Internal view of the 2HP dual-voltage motor, emphasizing its low noise, self-priming, high-pressure, and overheat protection capabilities.



Figure 4: Detailed product description with labeled components including Filter Basket, Inlet, Outlet, Earthing Terminal, Pure Copper Motor, Voltage Switch Button, Drain Plug, Pipe Fittings, and Sealing Tape.

SETUP AND INSTALLATION

The Oswerpon pool pump is designed for easy installation. It comes with all necessary accessories for various pipe sizes.

Included Accessories:

- 2 x 1.5-inch connectors
- 2 x 2-inch adapters
- 2 x 1.25-1.5-inch fittings
- Sealing Tape

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2HP POOL PUMP

In/Above Ground

Best Partner for Your Pool



Figure 5: Universal fittings included for pipe and hose connections (1-1.25 inch, 1.5 inch, 2 inch).

Connection Methods:

You can connect the pump using PVC pipe glue or PVC hose with clamps.

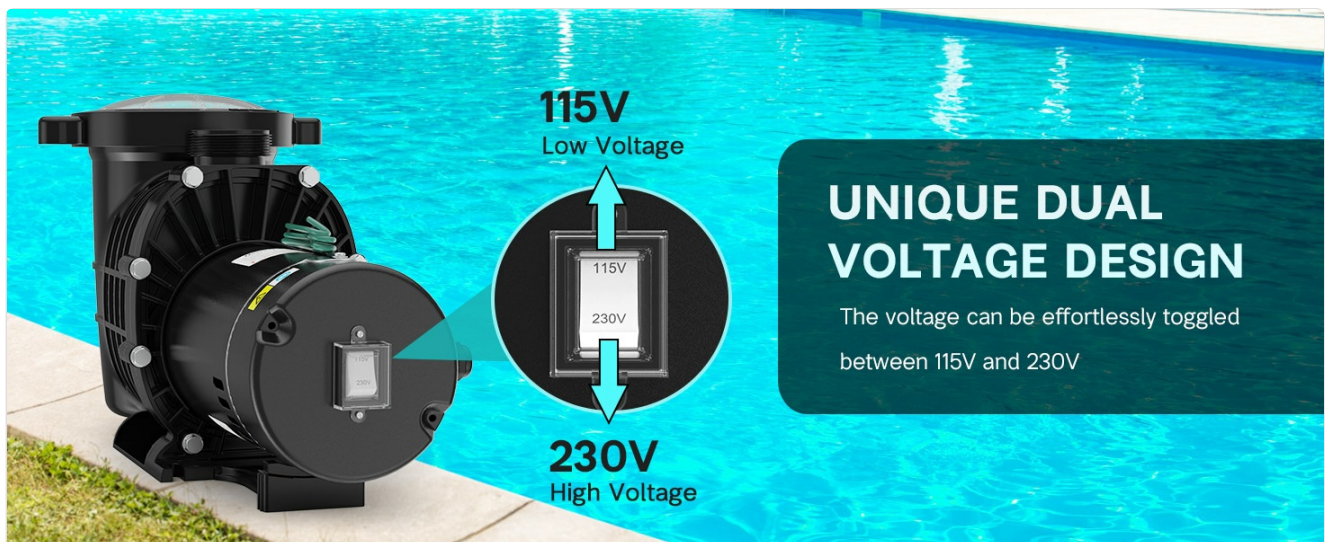


Figure 6: Two common methods for connecting the pump's inlet and outlet: direct PVC pipe glue connection or PVC hose with clamp.

Voltage Selection:

This pump supports dual voltage (115V/230V). Use the integrated voltage adjustment button to select the appropriate voltage for your setup.



Figure 7: The voltage switch button on the pump, enabling effortless toggling between 115V and 230V.

Installation Video:

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Video 1: Overview of the Oswerpon 2 HP/1.5 HP Self Priming in/above ground Pool Pump, demonstrating its features and general setup.

OPERATING INSTRUCTIONS

- Priming the Pump:** Before first use and after any maintenance that drains the pump, ensure the pump is filled with water. Open the transparent lid, fill the strainer basket housing with water, and then securely close the lid.
- Power On:** Connect the pump to the appropriate power supply (115V or 230V) after confirming the voltage switch setting.
- Monitor Operation:** The pump will begin circulating water. Observe the transparent lid to ensure continuous water flow and no air bubbles, indicating proper priming.
- Continuous Operation:** The pump is designed for continuous operation to maintain pool water quality.

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Video 2: Demonstrates the Oswerpon Pool Pump in operation for both above-ground and in-ground pools, showcasing its quiet and efficient performance.

MAINTENANCE

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

Strainer Basket Cleaning:

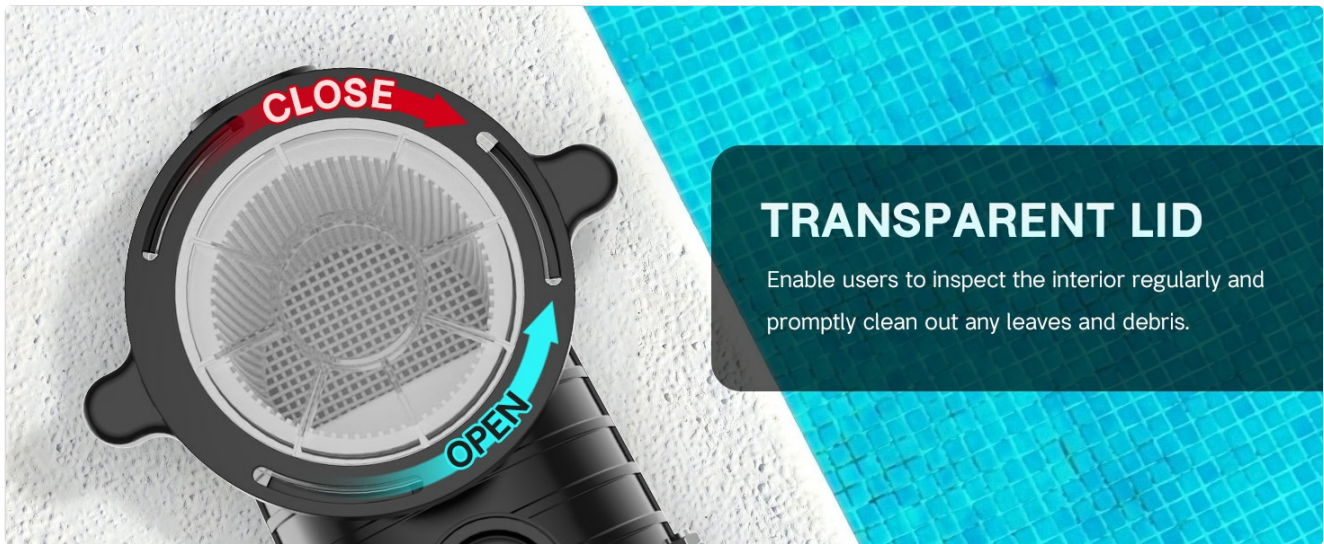
The oversized filter basket is designed for easy cleaning. Regularly inspect the transparent cover for debris accumulation.

- Turn off the pump and disconnect power.
- Unscrew the transparent lid counter-clockwise.
- Remove the strainer basket and empty any collected debris (leaves, hair, grit, etc.).
- Rinse the basket thoroughly with water.
- Place the clean basket back into the pump housing.
- Fill the housing with water to prime the pump.

7. Securely fasten the transparent lid by turning clockwise.
8. Reconnect power and restart the pump.



Figure 8: The extra-large filter basket, designed to capture leaves, grit, branches, and hair, shown removed for cleaning.



TRANSPARENT LID

Enable users to inspect the interior regularly and promptly clean out any leaves and debris.

Figure 9: The transparent lid allows for easy visual inspection of the filter basket and quick removal of debris.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not starting	No power; incorrect voltage setting; motor overload.	Check power connection and circuit breaker. Verify voltage switch (115V/230V). Allow motor to cool if overheated.
Pump running but no water flow	Pump not primed; clogged strainer basket; air leak in suction line.	Fill pump with water (prime). Clean strainer basket. Check all connections for air leaks.
Reduced water flow	Clogged strainer basket; dirty filter; low water level in pool.	Clean strainer basket. Clean or backwash pool filter. Ensure adequate pool water level.
Excessive noise/vibration	Air in pump/lines; loose mounting; debris in impeller.	Prime pump thoroughly. Tighten mounting bolts. Inspect impeller for debris (power off first).

SPECIFICATIONS

Attribute	Detail
Brand	Oswerpon
Model Number	HBP1500II(230V)
Horsepower	2 HP
Voltage	115V/230V (Dual Voltage)
Maximum Flow Rate	67.37 GPM (6900 GPH)
Maximum Lifting Height (Head)	55.7 Feet
Product Dimensions	22.4"L x 9.8"W x 11.4"H
Item Weight	32 Pounds

Attribute	Detail
Material	Stainless Steel, Plastic
Specific Uses	In/Above-Ground Pool, Hot Tubs, Spas, Hydrotherapy, Irrigation Systems (not for storage tanks)
Max Water Temperature	104°F (40°C)
Waterproof Rating	IP55



Figure 10: Physical dimensions of the pump and a visual representation of the universal fittings.

Pool Sizing Guide:

The Osverpon 2HP pump is suitable for a wide range of pool sizes. Refer to the charts below for recommended pool types and capacities.

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Dual Voltage Pool Pump Wiring Diagram

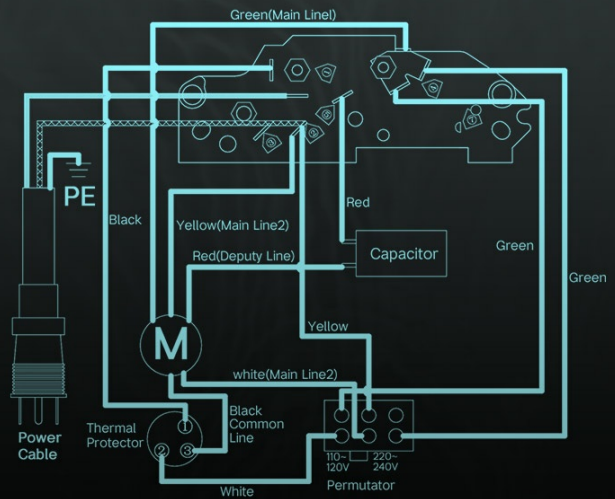




Figure 11: Recommended Oswerpon pump horsepower for various round pool sizes and gallon capacities.



STRONG COMPATIBILITY


Come with **6 free accessories**
2 x 1"-1.25" pipe fittings, 2 x 1.5" & 2" unions
Convenient for users to connect the pipe



1-1.25 Inch



1.5 Inch



2 Inch

! Tips: Adapters Must Be Installed

Figure 12: Recommended Oswerpon pump horsepower for various square pool sizes and gallon capacities.



LARGE FILTER BASKET

- Block the majority of debris from entering the branch
- Screen out debris, hair, leaves, grit, etc.

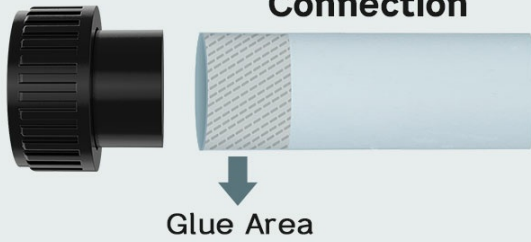
Figure 13: Recommended Oswerpon pump horsepower for various oval pool sizes and gallon capacities.

PUMP OUTLET/INLET CONNECTION METHODS

High Compatibility

METHOD 1

PVC Pipe Glue Connection



METHOD 2

PVC Pipe Glue Connection
+2 PVC Hose with Clamp



Figure 14: Recommended Oswerpon pump horsepower for various kidney-shaped pool sizes and gallon capacities.

WARRANTY AND SUPPORT

For warranty information and technical support, please contact Oswerpon customer service. Keep your purchase receipt and product model number handy for faster service.

You can also refer to the [User Guide \(PDF\)](#) for additional details.