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choosmo CMP 2530

choosmo 1/2 HP Above Ground Pool Pump (Model CMP 2530) Instruction Manual

For models: CMP 2530

1. Important Safety Information

Read all instructions carefully before installation and operation. Failure to follow these instructions can result in serious injury or property damage.

- **Electrical Safety:** Always connect the pump to a suitable Ground Fault Circuit Interrupter (GFCI) protected outlet for above-ground pool use. Ensure all electrical connections comply with local electrical codes.
- **Water and Electricity:** Never operate the pump if it or the surrounding area is wet. Do not handle the pump with wet hands.
- **Prevent Dry Running:** Never run the pump dry. Operating the pump without water will cause severe damage and void the warranty. Ensure the pump is primed with water before starting.
- **Placement:** Position the pump in a location protected from direct sunlight and rain to prevent overheating and water damage. Ensure adequate ventilation around the motor.
- **Children:** Keep children away from the pump and all pool equipment.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.

2. Setup and Installation

This choosmo pool pump is designed as a replacement for worn or underperforming pumps in compatible above-ground pool sand filter setups. It is a pump only and does not include a complete sand filter tank or full filtration system.

2.1 Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the pump for any signs of damage during transit. Ensure all parts listed in the packing list are present.

2.2 Component Overview



Image: choosmo 1/2 HP Above Ground Pool Pump connected to a sand filter and above-ground pool. Note: Pump only, sand filter tank and hoses are not included.



Image: Clarification that the pump is sold separately from the sand filter tank, hoses, and filter media.

2.3 Connection Requirements

Before purchase and installation, confirm your current hose size, fitting type, voltage, and filter system requirements. The pump includes two hose adapters for 1.25-inch and 1.5-inch hoses.



Image: Diagram showing pump dimensions and included hose adapters for 1.25-inch and 1.5-inch hoses.

- **Hose Adapters:** Use the matching adapter size for a secure connection to your existing pool hoses.
- **Electrical Connection:** The pump operates on 115V. Ensure your power source meets this requirement and is GFCI protected. The power cord is 6 ft long.
- **Placement:** Place the pump on a stable, level surface near the pool and filter system.

2.4 Priming the Pump

The pump is self-priming, but it is crucial to ensure the pump is filled with water before its initial startup and after any maintenance that drains the system. This prevents dry running and potential damage.

1. Ensure all valves are open, allowing water to flow from the pool to the pump.
2. Remove the transparent lid of the filter basket.
3. Fill the filter basket with water until it overflows.
4. Replace the lid securely.
5. Once the pump is filled, you can proceed to operation.

3. Operation

The choosmo 1/2 HP pool pump provides steady, high-flow circulation for above-ground pools.

3.1 Starting the Pump

- Ensure the pump has been properly primed as described in Section 2.4.
- Verify all connections are tight and there are no leaks.
- Plug the pump into a GFCI-protected 115V outlet. The pump will start automatically.
- Observe the pump for a few minutes to ensure water is flowing smoothly and there are no unusual noises.

3.2 Performance Features



Image: choosmo pool pump highlighting low noise, built-in filter basket, and thermal overload protection.

- **High-Flow Output:** Moves up to 3120 gallons per hour (GPH) with a maximum head of 41 feet, supporting strong water circulation.
- **Low Noise Operation:** Engineered for quiet performance during routine pool care.
- **Thermal Overload Protection:** The built-in thermal overload protection automatically shuts off the motor if it overheats, preventing damage. The pump will restart once it cools down.

4. Maintenance

Regular maintenance ensures optimal performance and extends the life of your choosmo pool pump.

4.1 Cleaning the Filter Basket

The pump features a built-in filter basket to catch debris before it reaches the pump impeller or filter system. This basket should be inspected and cleaned regularly.

1. **Disconnect Power:** Always unplug the pump from the electrical outlet before performing any maintenance.
2. **Close Valves:** Close any necessary valves to prevent water flow from the pool.
3. **Remove Lid:** Unscrew and remove the transparent lid of the filter basket.
4. **Remove Basket:** Carefully lift out the filter basket.
5. **Clean Basket:** Empty any debris and rinse the basket thoroughly with water.
6. **Inspect O-ring:** Check the O-ring on the lid for cracks or wear. Replace if necessary to ensure a watertight seal.
7. **Reassemble:** Place the clean basket back into the pump, ensure the O-ring is properly seated, and securely fasten the lid.
8. **Reprime:** If water was drained, re-prime the pump as described in Section 2.4 before restarting.

4.2 Winterization

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

- Disconnect power and drain all water from the pump.
- Store the pump in a dry, frost-free location.
- Refer to your pool system's winterization guide for complete instructions.

5. Troubleshooting

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

Problem	Possible Cause	Solution
Pump does not start	No power; tripped GFCI; motor overload.	Check power connection and GFCI. Reset GFCI if tripped. Allow motor to cool if thermal overload activated.
Pump runs but no water flow	Pump not primed; air leak in suction line; clogged filter basket.	Ensure pump is primed (Section 2.4). Check all suction line connections for tightness. Clean filter basket (Section 4.1).
Reduced water flow	Clogged filter basket; partially closed valve; dirty pool filter.	Clean filter basket (Section 4.1). Ensure all valves are fully open. Clean or backwash your main pool filter system.
Pump making unusual noise	Air in system; debris in impeller; worn bearings.	Check for air leaks in suction line. Disconnect power and inspect impeller for debris. If noise persists, contact support.
Water leaking from pump	Loose connections; damaged O-rings/seals.	Tighten all connections. Inspect and replace any damaged O-rings or seals.

If you encounter a problem not listed here or if the suggested solutions do not resolve the issue, please contact choosmo customer support.

6. Specifications

Technical details for the choosmo 1/2 HP Above Ground Pool Pump, Model CMP 2530.



Image: Technical data for choosmo 1/2 HP pool pump.

Feature	Detail
Model Number	CMP 2530
Power	1/2 HP
Voltage / Frequency	115V / 60Hz
Rated Current	5.0 A
Maximum Flow	Up to 3120 GPH
Maximum Head	41 ft / 12.5 m
Motor Type	Copper-wound single-speed motor
Power Cord Length	6 ft
Filter Basket	Built-in
Product Dimensions	15 x 5 x 8.2 inches (approx.)
Item Weight	11.5 pounds
Hose Adapters Included	2 (for 1.25" and 1.5" hoses)

7. Warranty and Support

choosmo products are backed by Acorn Pool Care Inc., a company focused on practical and reliable pool solutions. We are committed to providing support for our products.

7.1 Customer Support

For assistance with product selection, fit checks, installation questions, or after-sales support, please contact choosmo customer service. Our team is available to help ensure your product functions correctly and to address any concerns you may have.

Contact information can typically be found on the product packaging or the official choosmo brand website.

7.2 Warranty Information

Specific warranty details, including coverage period and terms, are provided with your product at the time of purchase. Please retain your proof of purchase for warranty claims. The warranty typically covers defects in materials and workmanship under normal use.

Damage resulting from improper installation, misuse, neglect, dry running, or failure to follow the instructions in this manual is not covered by the warranty.

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