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## ACROTOR AP1200

# ACROTOR AP1200 Commercial Water Pump User Manual

Model: AP1200

## INTRODUCTION

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Thank you for choosing the ACROTOR AP1200 Commercial Water Pump. This submersible pump is designed for efficient water circulation in various applications, including commercial ice makers (compatible with HZB-30F, HZB-38F, HZB-32, HZB-45, HZB-65, HZB-90, HZB-120, HZB-160 models) and aquarium systems. Its compact design, low noise operation, and durable construction ensure reliable performance. This manual provides essential information for the safe and effective use, installation, maintenance, and troubleshooting of your AP1200 water pump.

## SAFETY INFORMATION

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Please read all safety instructions carefully before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply matches the pump's rated voltage (AC 120V, 60Hz). Always disconnect power before handling or performing maintenance on the pump. Do not operate the pump with a damaged cord or plug.
- **Water Immersion:** This is a submersible pump. It must be fully immersed in water during operation to prevent overheating and damage. Do not run dry.
- **Installation:** Install the pump in a stable position. Ensure all connections are secure and watertight.
- **Maintenance:** Regular cleaning is essential. Use only fresh water for cleaning to prevent corrosion or deterioration.
- **Children and Pets:** Keep the pump and its power cord out of reach of children and pets.
- **Intended Use:** Use this pump only for its intended purpose as a water circulation pump for compatible ice makers or aquariums.

## PRODUCT OVERVIEW

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The ACROTOR AP1200 is a compact and efficient submersible water pump. Key features include:

- **Model:** AP1200, AC120V ice machine water pump.
- **Compatibility:** Designed for HZB-30F, HZB-38F, HZB-32, HZB-45, HZB-65, HZB-90, HZB-120, HZB-160 commercial ice makers, and suitable for aquarium water pump applications.
- **Dimensions:** Approximately 47x46x60mm (1.85 x 1.81 x 2.36 inches).

- **Water Outlet Diameter:** 15.5mm.
- **Performance:** Rated Voltage: AC 120V 60Hz 0.13A, Maximum Head (Hmax): 0.8m, Maximum Flow Rate (Qmax): 600L/h.
- **Construction:** Pump head made of high-quality food-grade materials, featuring a centrifugal self-priming design for stable and excellent working performance.
- **Operation:** Designed for low noise, easy installation, and stable performance.



Figure 1: Front view of the AP1200 water pump, showing the product label with specifications and warning information.



Figure 2: Side view of the AP1200 water pump, highlighting the water outlet and compact dimensions.



Figure 3: Angled view of the AP1200 water pump, providing a clearer look at the impeller intake area.

## SETUP

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Follow these steps for proper installation of your AP1200 water pump:

1. **Unpack:** Carefully remove the pump from its packaging and inspect for any visible damage.
2. **Placement:** Position the pump in the desired location within the water reservoir (e.g., ice maker water tank or aquarium sump). Ensure it is placed on a stable, flat surface.
3. **Water Level:** Ensure the pump will be fully submerged in water during operation. Running the pump dry can cause significant damage.
4. **Connect Outlet:** Attach the appropriate tubing to the water outlet (15.5mm diameter) of the pump. Secure the connection to prevent leaks.
5. **Electrical Connection:** Connect the pump's power cord to a compatible AC 120V, 60Hz power outlet. Ensure the connection is secure and dry.
6. **Test:** Once installed and submerged, power on the pump to verify proper operation and water flow.

## OPERATING INSTRUCTIONS

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The ACROTOR AP1200 water pump is designed for continuous operation when properly installed and submerged.

- **Power On:** Once the pump is fully submerged and all connections are secure, plug the power cord into a suitable electrical outlet. The pump will begin circulating water.
- **Continuous Operation:** The pump is designed for continuous duty. Ensure the water level remains adequate to keep the pump fully submerged at all times.
- **Monitoring:** Periodically check the pump's operation to ensure consistent water flow and no unusual noises.
- **Power Off:** To stop the pump, simply unplug it from the power outlet. Always unplug before performing any maintenance or adjustments.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your AP1200 water pump.

1. **Disconnect Power:** Always unplug the pump from the power source before any cleaning or maintenance.
2. **Clean Impeller:** Over time, debris can accumulate around the impeller, reducing efficiency. Carefully remove the

pump from the water and disassemble the impeller cover (if applicable) to access the impeller. Clean any accumulated debris using a soft brush and fresh water.

3. **Rinse Pump Body:** Rinse the entire pump body with fresh water to remove any slime or mineral deposits.
4. **Check Cord:** Inspect the power cord for any signs of damage, fraying, or cracks. If damage is found, discontinue use and replace the pump.
5. **Reassemble:** Reassemble the pump components securely.
6. **Regular Cleaning Schedule:** For ice makers, clean the pump as part of your regular ice maker cleaning schedule. For aquariums, clean monthly or as needed based on water conditions.

## TROUBLESHOOTING

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If you encounter issues with your AP1200 water pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump does not turn on.	No power; loose connection; pump motor failure.	Check power outlet and connections. Ensure pump is plugged in. If still no power, the pump may need replacement.
Low water flow or no flow.	Impeller clogged with debris; water level too low; kinked tubing.	Disconnect power, clean impeller. Ensure pump is fully submerged. Check and straighten tubing.
Pump is noisy.	Debris in impeller; pump not fully submerged; pump vibrating against surface.	Disconnect power, clean impeller. Ensure pump is fully submerged. Adjust pump position to prevent vibration.
Pump runs intermittently.	Fluctuating power supply; overheating due to low water level or blockage.	Check power supply stability. Ensure pump is fully submerged and clean.

If the problem persists after attempting these solutions, please contact customer support.

## SPECIFICATIONS

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Attribute	Value
Model	AP1200
Brand	ACROTOR
Rated Voltage	AC 120V
Frequency	60Hz
Current	0.13A
Maximum Head (Hmax)	0.8 meters
Maximum Flow Rate (Qmax)	600 Liters per hour
Product Dimensions	47x46x60mm (approx. 1.85 x 1.81 x 2.36 inches)
Water Outlet Diameter	15.5mm

Attribute	Value
Material	Stainless Steel (internal components), Food-grade materials (pump head)
Item Weight	8.4 ounces
UPC	732322891379

## WARRANTY AND SUPPORT

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The ACROTOR AP1200 Water Pump comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any queries, please contact ACROTOR customer service. Please have your model number (AP1200) and purchase information ready when contacting support.

*Note: Unlimited return and refund service within 365 days is offered by the seller. Please refer to your purchase platform for specific return policies.*