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Poafamx AL-300

Poafamx AL-300 Water Chiller for Ice Bath User Manual

Model: AL-300

1. SAFETY INFORMATION

Please read all safety instructions carefully before operating the Poafamx AL-300 Water Chiller. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the chiller is placed on a stable, level surface.
- Do not operate the chiller with a damaged power cord or plug.
- Keep the chiller away from direct sunlight and heat sources.
- Do not immerse the chiller unit in water.
- Ensure all hose connections are secure to prevent leaks.
- Always unplug the chiller before performing any maintenance or cleaning.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Use only with a grounded electrical outlet.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Poafamx AL-300 Water Chiller Unit
- 2 x Insulated Hoses with Pre-installed Fittings
- 1 x 1/2" Stainless Steel Adapter
- Power Cord

- User Manual

3. PRODUCT OVERVIEW

The Poafamx AL-300 Water Chiller is designed to provide efficient and consistent cold water for ice bath therapy. It features a powerful compressor, an integrated filtration system, and an intuitive LED touch control screen.



Figure 3.1: Poafamx AL-300 Water Chiller connected to an ice bath tub.

Key Features:

- **Powerful 1/3 HP Compressor:** Ensures rapid and efficient cooling of water.
- **Eco-friendly R290 Refrigerant:** For energy-saving operation.
- **Built-in Filter & Water Pump:** Circulates water and removes debris, maintaining water quality without additional installations.
- **LED Touch Control Screen:** Allows for easy temperature setting and monitoring.
- **Upgraded Insulated Hoses:** Minimize heat loss and accelerate cooling.

DESIGNED FOR EASY ICE BATH

Give you the ultimate ice bath
experience



Peafamx



Cold plunge not
included

Figure 3.2: Integrated filter and pump system.



BUILT-IN FILTER & PUMP

- No additional installation required
- Blocks debris and hair
- Protects pump and chiller

Figure 3.3: Internal components illustrating the powerful cooling system.

4. SETUP INSTRUCTIONS

Follow these steps for proper installation of your water chiller:

- 1. Positioning the Chiller:** Place the chiller on a flat, stable surface near your ice bath tub. Ensure there is adequate ventilation around the unit.
- 2. Connecting Hoses (for tubs with inlet/outlet ports):**
 - Connect one insulated hose to the 'Water IN' port on the chiller and the corresponding inlet port on your ice bath tub.
 - Connect the second insulated hose to the 'Water OUT' port on the chiller and the corresponding outlet port on your ice bath tub.
 - Ensure all connections are secure and the pre-installed fittings are locked to prevent leaks.
- 3. Connecting Hoses (for bathtubs without inlet/outlet ports):**
 - You will need a separate submersible pump (sold separately) for this setup.
 - Place the submersible pump inside the bathtub.

- Connect one insulated hose from the submersible pump's outlet to the 'Water IN' port on the chiller.
- Connect the second insulated hose from the 'Water OUT' port on the chiller, directing its end back into the bathtub.
- Ensure all connections are secure.

4. **Filling the Tub:** Fill your ice bath tub with water to the recommended level.

5. **Power Connection:** Plug the chiller's power cord into a grounded 110V electrical outlet.



Figure 4.1: Chiller connection diagrams for different tub types.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the connection process for the Poafamx Water Chiller, including hose attachment and filter operation, providing a visual guide for setup.

5. OPERATING INSTRUCTIONS

The Poafamx AL-300 Water Chiller features an intuitive LED touch control screen for easy operation.

1. **Power On/Off:** Press the power button (⏻) on the LED screen to turn the unit on or off.
2. **Setting Temperature:**

- The current water temperature will be displayed on the screen.
- Use the up (^) and down (v) arrow buttons to adjust your desired target temperature. The chiller will automatically work to reach and maintain this temperature.
- The chiller can cool water down to 40°F (4.4°C) and maintain temperatures between 36°F (2.2°C) and 122°F (50°C).

3. **Cooling Process:** Once the target temperature is set, the chiller will begin cooling the water. The cooling effect is influenced by ambient temperature, water volume, and the insulation of your ice bath container. For faster cooling, consider adding ice cubes initially.

1/3HP POWERFUL COOLING

Cool the water down to 42°F, say goodbye to melting ice

R290
refrigerant

Rapid Cooling

Energy Saving



Figure 5.1: LED Touch Control Screen for temperature adjustment.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Poafamx AL-300 Water Chiller.

1. **Filter Cleaning:** The built-in filter traps debris and hair. Regularly inspect and clean the filter to maintain water quality and circulation. To clean, unplug the unit, disconnect the hoses, remove the filter housing, rinse the filter under running water, and reassemble.

2. **Exterior Cleaning:** Wipe the exterior of the chiller with a soft, damp cloth. Do not use abrasive cleaners or solvents.
3. **Water Quality:** Periodically drain and refill your ice bath tub with fresh water to ensure hygiene.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Chiller not turning on	No power, loose connection	Check power cord connection, ensure outlet is functional.
Water not cooling	Incorrect temperature setting, clogged filter, insufficient water flow, high ambient temperature	Verify target temperature, clean filter, check hose connections for kinks, ensure proper water level.
Water leaks from connections	Loose hose fittings	Tighten all hose connections and ensure fittings are properly locked.
Unusual noise	Obstruction in pump/fan, unit not level	Inspect for debris, ensure chiller is on a stable, level surface.

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

8. SPECIFICATIONS

Technical specifications for the Poafamx AL-300 Water Chiller:



Figure 8.1: Product dimensions and parameters.

Feature	Detail
Model Number	AL-300
Power Source	Corded Electric, AC110V/60Hz
Horsepower	1/3 HP
Refrigerant	R290
Cooling Capacity	Up to 79 Gallons (300L)
Temperature Range	36°F - 122°F (2.2°C - 50°C)
Product Dimensions	11.42"D x 14.76"W x 12.6"H
Item Weight	46.5 pounds (17 KG)
Material	Stainless Steel

Feature	Detail
Color	Black
Pump Flow Rate	185 GPH

9. WARRANTY AND SUPPORT

The Poafamx AL-300 Water Chiller comes with a 1-year warranty from the date of purchase. Our customer service team is available to provide support and solutions for any issues encountered with your product. For warranty claims or technical assistance, please contact Poafamx customer service through the retailer where the product was purchased or visit the official Poafamx website for contact information.