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KEBETEME Liquid Water Cooler Heat Sink System Primary Aluminum Water Cooling Block

KEBETEME Aluminum Water Cooling Block User Manual

Model: Liquid Water Cooler Heat Sink System Primary Aluminum Water Cooling Block

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your KEBETEME Aluminum Water Cooling Block. This high-quality aluminum block is designed for efficient heat dissipation in liquid cooling systems, suitable for CPU, laptop, and other electronic components requiring effective thermal management. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

2. SAFETY INFORMATION

Always follow these safety guidelines to prevent damage to the product or injury:

- Ensure all power is disconnected from the system before installation or maintenance.
- Handle the cooling block carefully to avoid damage to its surfaces or ports.
- Use appropriate tools for installation.
- Verify all connections are secure and leak-free before powering on the system.
- Keep out of reach of children.

3. PACKAGE CONTENTS

The package should contain the following item:

- 1 x KEBETEME Aluminum Water Cooling Block (Silver)



Image 1: The KEBETEME Aluminum Water Cooling Block, shown held in a hand for scale. This is the primary component for liquid cooling systems.



Image 2: Top view of the KEBETEME Aluminum Water Cooling Block, highlighting its two barb fittings for hose connections.

4. SETUP AND INSTALLATION

This section outlines the general steps for installing the water cooling block. Specific installation may vary depending on your system configuration.

1. **Prepare Your System:** Power off your computer or device and disconnect it from the power source. Open the casing to access the component requiring cooling.
2. **Clean the Surface:** Ensure the surface of the CPU, GPU, or other component where the cooling block will be mounted is clean and free of any old thermal paste or debris. Use isopropyl alcohol for best results.
3. **Apply Thermal Paste:** Apply a thin, even layer of high-quality thermal paste to the center of the component's surface.
4. **Mount the Cooling Block:** Carefully place the KEBETEME Aluminum Water Cooling Block onto the thermal paste, ensuring proper alignment. Secure it using the appropriate mounting hardware for your system (not included with this block). This block features a frame mount type.
5. **Connect Hoses:** Attach the liquid cooling hoses to the barb fittings on the cooling block. Ensure the connections are tight and secure to prevent leaks.

6. **Integrate into Loop:** Connect the other ends of the hoses to your pump, radiator, and reservoir to complete the liquid cooling loop.
7. **Fill and Bleed:** Fill the liquid cooling system with appropriate coolant and bleed any air bubbles from the loop.
8. **Leak Test:** Before powering on your system, perform a thorough leak test. Run the pump for several hours with the system off, checking for any signs of leaks.
9. **Final Check:** Once confident there are no leaks, close your system casing and reconnect power.

5. OPERATING INSTRUCTIONS

Once installed and the liquid cooling loop is properly filled and tested, the KEBETEME Aluminum Water Cooling Block operates passively as part of your cooling system. Its primary function is to transfer heat from the component to the circulating coolant.

- **System Power On:** Power on your computer or device. The liquid cooling system, including the pump, should start circulating coolant.
- **Monitor Temperatures:** Use system monitoring software to observe the temperatures of the cooled component (e.g., CPU temperature). Ensure temperatures remain within safe operating limits.
- **Normal Operation:** The cooling block will continuously dissipate heat as long as the liquid cooling system is functioning correctly.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your liquid cooling system and the water cooling block.

- **Inspect for Leaks:** Periodically check all connections and hoses for any signs of leaks or wear.
- **Coolant Replacement:** Follow the recommendations of your coolant manufacturer for replacement intervals, typically every 6-12 months.
- **Clean Radiator and Fans:** Dust accumulation on radiators and fans can reduce cooling performance. Clean them regularly.
- **Check for Blockages:** Over time, sediment can build up in the cooling loop. If you notice a significant drop in cooling performance, consider disassembling and cleaning the block and other components.
- **Thermal Paste Reapplication:** If you disassemble the block for cleaning or other reasons, reapply thermal paste before reinstallation.

7. TROUBLESHOOTING

If you encounter issues with your liquid cooling system, consider the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|-----------------------------|--|--|
| High Component Temperatures | Insufficient thermal paste, poor contact, air bubbles in loop, clogged radiator/block, pump failure. | Reapply thermal paste, check mounting pressure, bleed air, clean components, check pump operation. |
| Coolant Leakage | Loose fittings, damaged hoses, cracked block. | Tighten fittings, replace damaged hoses, inspect block for damage (replace if cracked). |
| No Coolant Flow | Pump not powered, pump failure, severe blockage. | Check pump power connection, replace pump, inspect loop for blockages. |

If problems persist, consult a qualified technician or contact customer support.

8. SPECIFICATIONS

| Feature | Detail |
|-------------------------|---|
| Brand | KEBETEME |
| Model Number | Liquid Water Cooler Heat Sink System Primary Aluminum Water Cooling Block |
| Material | Aluminum |
| Cooler Chamber Material | Aluminum |
| Cooler Compatibility | Aluminum |
| Mounting Type | Frame Mount |
| Item Weight | 11 g |
| Shipping Dimensions | 1 x 1 x 1 cm |
| ASIN | B091BMMLL2 |
| First Available Date | March 30, 2021 |

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer where you purchased this product or visit the official KEBETEME website. Keep your proof of purchase for warranty claims.

For further assistance, you may also contact the seller directly via the platform where the product was purchased.