Thermaltake CL-W280-PL00SW-A

Thermaltake Pacific PR32-D5 Plus D5 Pump/Reservoir Combo

Model: CL-W280-PL00SW-A

Brand: Thermaltake

1. INTRODUCTION

The Thermaltake Pacific PR32-D5 Plus is a high-performance pump and reservoir combination designed for custom liquid cooling systems. It features a powerful D5 pump, a large 400ml reservoir, and integrated RGB lighting with software control, offering both efficient cooling and aesthetic customization for your PC.

2. PRODUCT FEATURES

- **360° Rotary Cap:** The rotary cap allows for flexible adjustment of G1/4" thread port positions, simplifying tube routing even after mounting.
- **Vivid RGB Lighting:** Equipped with 12 addressable LEDs, offering 16.8 million color combinations and numerous lighting effects customizable via TT RGB Plus software, and compatible with Alexa and Razer Chroma.
- **Versatile Installation Options:** Includes a fan-mounting bracket for installation on a fan, providing water cooling advantages even in cases with limited traditional reservoir mounting space.
- **Powerful D5 Pump:** Features a 5-level speed control, capable of reaching a maximum pump head of 15 feet and a flow rate of 1135 liters per hour.
- **Large Capacity Reservoir:** A 400ml capacity reservoir, standing 267mm tall, designed to withstand a maximum pressure of 50 PSI.

3. PACKAGE CONTENTS

Please ensure all components are present and undamaged before proceeding with installation.

- Thermaltake Pacific PR32-D5 Plus Pump/Reservoir Combo
- G 1/4" Stopper (x1)
- Mounting Bracket (x1)
- Clip (x1)
- USB 2.0 Connector (9 Pin) cable
- 4-Pin Power Connector cable
- Mounting Screws and Accessories

4. Specifications

Model Number	CL-W280-PL00SW-A
Dimensions (L x W x H)	74.8 x 74.8 x 267 mm (2.94 x 2.94 x 10.51 inches)
Capacity	400 ml
Material	AL + POM + PMMA
Threads	G 1/4"
Max. Air Pressure	50 PSI
Power Input	37 W / 6.5 W
Connector	4 Pin
Interface	USB 2.0 Connectors (9 Pin)
System Compatibility	Windows 7 / 8 / 8.1 / 10

5. Setup & Installation

5.1 Mounting the Pump/Reservoir

The Pacific PR32-D5 Plus offers flexible mounting options. Use the included bracket to install the unit directly onto a fan or utilize the standard pump/reservoir stand. Ensure the mounting is secure but avoid over-tightening screws to prevent damage to the unit.

MULTIPLE INSTALLATION OPTION

Besides the standard reservoir and pump stand, the package also includes a bracket that allows users to install Pacific PR32-D5 Plus on a fan, allowing users to enjoy water cooling even with small spacing.

Image: Multiple installation options for the pump/reservoir combo.

5.2 Connecting Ports

Utilize the G1/4" thread ports for connecting your liquid cooling loop. The 360° rotary cap allows you to adjust port positions for optimal tube routing. Ensure all fittings are hand-tightened to prevent leaks. The unit includes dedicated ports for filling and draining the coolant.

Image: The 360° rotary cap provides flexibility for port positioning.

5.3 Pump Speed Adjustment

The D5 pump features a 5-level speed control. Adjust the pump speed manually to achieve your desired flow rate and noise level. For basic loops, a setting of 2 to 3 is often recommended. Refer to the pump's base for the speed adjustment dial.

Video: Demonstration of a high-flow 12V DC water pump combo, illustrating pump operation and flow. This video is from a seller named Dracaena.

6. OPERATING INSTRUCTIONS

6.1 Filling the Liquid Cooling Loop

1. Ensure all connections are secure and fittings are tightened.

2. Use a dedicated fill port to slowly add coolant to the reservoir.

3. Power on the pump (without powering on other PC components) to circulate the coolant and remove air bubbles. Refill the reservoir as needed.

4. Allow the system to run for several hours to ensure all air is purged and to perform a leak test. Check for any signs of

leaks before powering on your PC.

6.2 RGB Lighting Control

Connect the USB 2.0 cable from the pump/reservoir to your motherboard. Download and install the Thermaltake TT RGB Plus software to customize the 12 addressable LEDs. The lighting can be synchronized with Alexa and Razer Chroma for a unified aesthetic experience.

Image: The Pacific PR32-D5 Plus features customizable RGB lighting.

7. MAINTENANCE

- Regularly inspect your liquid cooling loop for any signs of leaks or coolant discoloration.
- It is recommended to change the coolant every 6-12 months to maintain optimal performance and prevent buildup.
- When draining the system, use the dedicated drain port for a clean and efficient process.

8. TROUBLESHOOTING

- **No Flow/Pump Not Running:** Check power connections (4-pin connector) and USB interface. Ensure the pump speed is set correctly.
- **Leaks:** Double-check all fittings and connections. Ensure O-rings are properly seated and not damaged. Avoid over-tightening.
- **RGB Not Working:** Verify the USB 2.0 connection to the motherboard. Ensure TT RGB Plus software is installed and updated. Check for conflicts with other RGB software.
- **Excessive Air Bubbles:** Tilt the PC case gently in different directions to help dislodge trapped air. Allow the pump to run for an extended period during the initial fill.

9. WARRANTY & SUPPORT

For warranty information, technical support, or further assistance, please visit the official Thermaltake website or contact their customer service department. Keep your proof of purchase for warranty claims.