

Alphacool 17057

Alphacool 90-Degree Rotary G1/4 Angled Adapter - Deep Black Instruction Manual

1. INTRODUCTION AND OVERVIEW

The Alphacool 90-Degree Rotary G1/4 Angled Adapter is a high-quality component designed for use in custom liquid cooling systems. This adapter provides a flexible connection point, allowing for a 90-degree change in direction within your cooling loop. Its rotary feature enables precise alignment of tubing, simplifying complex routing challenges. Constructed from durable chrome-plated brass with a deep black finish, it ensures both reliability and aesthetic integration into your system.

2. SAFETY INFORMATION

- Always ensure your liquid cooling system is completely depressurized and cooled down before attempting any installation, modification, or maintenance.
- Use appropriate tools for tightening fittings. Avoid excessive force, as overtightening can damage threads or O-rings, leading to leaks.
- After installation, perform a thorough leak test using a dedicated leak tester or by running the pump with distilled water for several hours before powering on any electronic components.
- Keep the adapter and all liquid cooling components away from electrical connections during installation and operation to prevent short circuits in case of a leak.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- 1x Alphacool 90-Degree Rotary G1/4 Angled Adapter (Deep Black)
- 1x O-ring (pre-installed or included for sealing)

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Alphacool 90-Degree Rotary G1/4 Angled Adapter:

1. **Compatibility Check:** Ensure all components in your liquid cooling loop utilize G1/4 thread sizes for

compatibility with this adapter.

2. **Inspection:** Before installation, carefully inspect the adapter for any manufacturing defects, damage, or missing O-rings. Ensure the O-ring is properly seated in its groove.
3. **Initial Connection:** Screw the male G1/4 thread of the adapter into the desired component (e.g., radiator, pump, water block) by hand until it is finger-tight.
4. **Final Tightening:** Use a suitable tool, such as an Alphacool Eiszange or a crescent wrench with protective padding, to gently tighten the adapter an additional quarter to half turn. **Do not overtighten**, as this can damage the threads or the O-ring.
5. **Connect Tubing/Fitting:** Connect your G1/4 female threaded fitting or tube to the female G1/4 thread of the adapter. Tighten this connection securely, following the manufacturer's recommendations for your specific fitting type.
6. **Angle Adjustment:** The 90-degree elbow section of the adapter can be rotated to achieve the desired angle for optimal tube routing within your system. Adjust as needed before securing other components.
7. **Leak Test:** After completing all connections, perform a comprehensive leak test of your entire liquid cooling system before powering on any electronic hardware.



This image shows the Alphacool 90-Degree Rotary G1/4 Angled Adapter. It features a G1/4 male thread on one end and a G1/4 female thread on the other, connected by a 90-degree elbow that can rotate. Both threaded ends have a knurled texture for improved grip during installation. The adapter is finished in deep black.

5. OPERATING

Once properly installed and leak-tested, the Alphacool 90-Degree Rotary G1/4 Angled Adapter functions as a static, yet rotatable, connection point within your liquid cooling loop. Its primary purpose is to facilitate clean and efficient tube routing by providing a secure 90-degree bend that can be oriented as needed. No further operational steps are required beyond ensuring the integrity of the connection.

6. MAINTENANCE

- **Regular Inspection:** Periodically inspect the adapter and all surrounding connections for any signs of leaks, corrosion, or wear. Address any issues promptly.
- **Disassembly:** If disassembling the adapter, ensure the liquid cooling system is completely drained. Carefully unscrew the fittings.
- **O-Ring Replacement:** Inspect the O-ring for any signs of cracking, flattening, or damage. Replace worn or damaged O-rings with compatible replacements to maintain a watertight seal.
- **Cleaning:** Clean the adapter with a soft, lint-free cloth. If necessary, use a mild, non-abrasive cleaning solution. Avoid harsh chemicals that could damage the finish or material.

7. TROUBLESHOOTING

- **Leakage:**
 - Ensure all connections are properly tightened, but not overtightened.
 - Check the O-ring for proper seating, damage, or wear. Replace if necessary.
 - Verify that the threads on both the adapter and the connected components are clean and undamaged.
- **Difficulty Rotating:**
 - The rotary mechanism may be stiff when new. Gentle, consistent force should allow it to rotate.
 - Ensure the adapter is not overtightened at its base connection, as this can impede rotation.

8. SPECIFICATIONS

Product Type	90-Degree Rotary Angled Adapter
Material	Chrome-plated Brass
Color	Deep Black (Svart Matt)
Thread Size	G1/4 Male to G1/4 Female
Dimensions (LxWxH)	8 x 6 x 2 centimeters
Model Number	17057
Item Number	64231

9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to inquire about replacement parts, please refer to the official Alphacool website or contact your authorized retailer. Keep your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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