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Bykski CL-Fury-X-V2

Bykski CL-Fury-X-V2 Semi-Transparent Super Concentrated Coolant

User Manual

1. Introduction

The Bykski CL-Fury-X-V2 Semi-Transparent Super Concentrated Coolant is engineered for high-performance PC water cooling systems. This advanced coolant offers excellent thermal conductivity and a low dielectric constant, ensuring efficient and safe operation. Its concentrated formula allows for dilution to produce 900mL of ready-to-use coolant.



Image 1.1: An Erlenmeyer flask containing the vibrant orange semi-transparent coolant, demonstrating its appearance.

2. Safety Information and Warnings

Please read and understand all safety information before handling or using this product. Failure to follow these instructions may result in property damage or personal injury.

- **Dilution:** Do NOT dilute the coolant past a 1:5 ratio (1 part concentrate to 5 parts purified water). Excessive dilution will weaken the coolant's properties and may affect its color stability.
- **Compatibility:** This coolant is designed for systems with **non-aluminum parts**. Ensure your water cooling loop does not contain aluminum components to prevent adverse reactions.
- **Handling:** Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water. If irritation persists, seek medical attention.
- **Ingestion:** Do not ingest. If swallowed, seek immediate medical attention.
- **Storage:** Store in a cool, dry place at room temperature, away from direct sunlight and out of reach of children and pets.
- **Disclaimer:** The manufacturer is not responsible for any damage caused by improper use or dilution of this product.

3. Product Features

The Bykski CL-Fury-X-V2 coolant offers several key advantages for your water cooling system:

- **Semi-Transparent Colors:** Provides a vibrant aesthetic to your cooling loop.
- **Efficient Thermal Conductor:** Optimizes heat transfer for superior cooling performance.
- **Low Conductivity:** Minimizes electrical conductivity, enhancing system safety.
- **Stain Resistant / Non-Fading:** Designed to maintain its color and not stain components over time.
- **Concentrated Formula:** One 150mL bottle makes 900mL of ready-to-use coolant when diluted correctly.

4. Specifications

Attribute	Detail
Model	CL-Fury-X-V2
Volume (Concentrate)	150mL
Yield (Diluted)	900mL (150mL concentrate + 750mL purified water)
Mix Ratio	1:5 (Concentrate : Purified Water)
Available Colors	Blue, Red, Orange, Yellow, Green, Clear
Shelf Life	2 years
Boiling Point	150°C
Melting Point	-20°C
Storage Temperature	Room temperature
Compatibility	Water cooling loops with non-aluminum parts
Product Dimensions (Bottle)	5.43 x 1.69 x 1.69 inches (138mm x 43mm x 43mm)
Item Weight	3 pounds (approx. 1.36 kg)

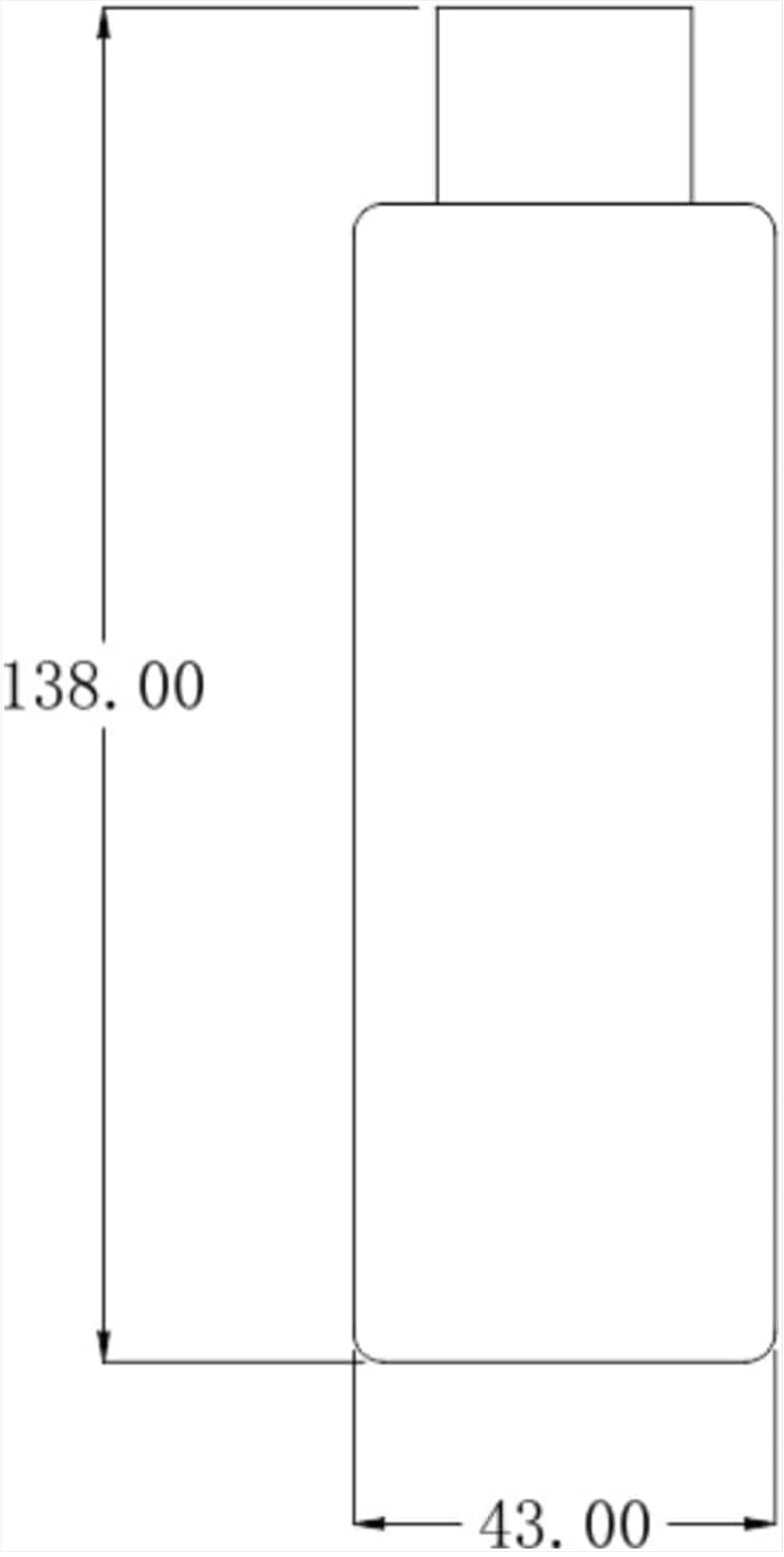


Image 4.1: Technical drawing illustrating the dimensions of the coolant bottle (138.00mm height, 43.00mm width).

5. Setup and Preparation

Before filling your water cooling system, the concentrated coolant must be properly diluted with purified water. Using distilled or

deionized water is crucial to prevent mineral buildup and ensure optimal performance.



Image 5.1: The Bykski CL-Fury-X-V2 Ultra Concentrate Coolant bottle, showing product labeling and instructions.

5.1. Dilution Instructions

1. **Prepare Purified Water:** Obtain 750mL of high-quality purified water (distilled or deionized).
2. **Combine:** Carefully add the entire 150mL bottle of Bykski CL-Fury-X-V2 concentrate to the 750mL of purified water in a clean, separate container. This achieves the recommended 1:5 dilution ratio.
3. **Shake Well:** Securely close the container and shake the mixture thoroughly for at least 30 seconds to ensure the concentrate is fully dispersed and mixed with the water.
4. **Inspect:** Visually inspect the mixture for any unmixed concentrate or particles. The solution should be uniform in color and consistency.

The diluted coolant is now ready for use in your water cooling system.

6. Operating and Application

Once diluted, the Bykski CL-Fury-X-V2 coolant can be introduced into your PC water cooling loop.

6.1. Filling Your System

1. **System Preparation:** Ensure your water cooling loop is clean and free of any previous coolants or debris. Flush the system with purified water if necessary.
2. **Fill Reservoir:** Slowly pour the diluted Bykski coolant into your system's reservoir.
3. **Bleed Air:** With the pump running at a low speed, gently tilt your PC case in various directions to help dislodge air bubbles from the components and tubing. Continue to add coolant to the reservoir as the fluid level drops.
4. **Check for Leaks:** Before powering on your entire system, perform a leak test. Run the pump for several hours with only the pump powered, carefully inspecting all fittings and connections for any signs of leakage.
5. **Final Fill:** Once all air is bled and no leaks are detected, top off the reservoir to the recommended fill line.

Your system is now ready for operation with the Bykski CL-Fury-X-V2 coolant.

7. Maintenance

Regular maintenance of your water cooling system is essential for longevity and optimal performance. While Bykski CL-Fury-X-V2 coolant is designed for stability, periodic checks are recommended.

- **Fluid Level Check:** Periodically check the coolant level in your reservoir and top up with pre-diluted Bykski coolant if necessary.
- **Visual Inspection:** Inspect the coolant for any signs of discoloration, cloudiness, or particle formation. While this coolant is stain-resistant and non-fading, unusual changes may indicate a problem within the loop.
- **System Flush:** It is generally recommended to flush and refill your water cooling system with fresh coolant every 6-12 months, or as needed based on system usage and coolant condition.
- **Component Inspection:** During a system flush, inspect all water cooling components (blocks, radiators, pump, tubing) for any buildup or degradation.

8. Troubleshooting

This section addresses common issues that may arise during the use of your water cooling system with Bykski coolant.

- **Coolant Discoloration/Cloudiness:**
  - **Cause:** Improper dilution (too much purified water), contamination, or incompatible loop materials.
  - **Solution:** Ensure correct 1:5 dilution ratio. Flush the system thoroughly and refill with freshly diluted coolant. Verify all loop components are non-aluminum.
- **Poor Cooling Performance:**
  - **Cause:** Air bubbles in the loop, insufficient coolant, pump malfunction, or blockages.
  - **Solution:** Bleed air from the system. Check coolant level. Inspect pump operation. Disassemble and clean water blocks if flow is restricted.
- **Leaks:**
  - **Cause:** Loose fittings, damaged O-rings, or cracked tubing.
  - **Solution:** Immediately power down the system. Tighten all fittings. Inspect and replace any damaged O-rings or tubing.

9. Storage

To maintain the integrity and shelf life of the Bykski CL-Fury-X-V2 concentrate:

- Store the unopened bottle in a cool, dry place.
- Maintain storage at room temperature (approximately 20-25°C or 68-77°F).
- Avoid direct sunlight and extreme temperatures (below -20°C or above 150°C).
- Keep out of reach of children and pets.
- The shelf life of the concentrate is 2 years from the manufacturing date.

10. Compatibility

Bykski CL-Fury-X-V2 coolant is formulated for use in custom PC water cooling loops. It is specifically compatible with systems utilizing **non-aluminum components**. This includes, but is not limited to, copper radiators, nickel-plated copper water blocks, acrylic or PETG tubing, and various types of rubber or silicone O-rings and gaskets.
Important: Do not use this coolant in systems containing aluminum parts, as it may lead to galvanic corrosion and system damage.

11. Warranty and Support

Bykski products are manufactured to high standards. For specific warranty information, please refer to the official Bykski website or contact your retailer. For technical support or inquiries, please visit the official Bykski website: www.bykski.com.
Please retain your proof of purchase for any warranty claims.

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