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PROFILE DESIGN FC35

PROFILE DESIGN FC35 Hydration System User Manual

Model: FC35 | Brand: PROFILE DESIGN

1. INTRODUCTION

The PROFILE DESIGN FC35 Hydration System is engineered to provide a complete hydration and nutrition solution for triathletes and cyclists. This system integrates fluid intake, energy replenishment, and electronic device mounting into a single, streamlined unit, designed to maintain a clean and efficient cockpit setup on your bicycle.

Its advanced design focuses on user convenience and aerodynamic performance, ensuring essential items are readily accessible during training and competition.

2. SAFETY INFORMATION

- Ensure all components are securely fastened before each ride to prevent detachment and potential hazards.
- Regularly inspect the system for any signs of wear, damage, or leaks. Replace damaged parts immediately.
- Do not overfill the bottle, as this may lead to spillage during use.
- Clean the system thoroughly after each use to prevent bacterial growth and maintain hygiene.
- Always prioritize road safety. Do not make adjustments or attempt to refill the system in situations that compromise your control of the bicycle.

3. PACKAGE CONTENTS

Verify that all the following components are included in your package:

- FC35 Hydration Bottle (1035ml capacity)

- BTA Tilt Bracket
- Straw
- Bite Valve
- Mounting Hardware (including binding band for extensions)
- Integrated Front Computer Mount

4. SETUP

4.1 Mounting the System

The FC35 Hydration System is designed to mount between your aero bar extensions. The BTA (Between The Arms) tilt bracket allows for secure attachment and angle adjustment.

1. Position the BTA tilt bracket on your aero bar extensions. Ensure the extension width is between 65mm and 140mm (center-to-center) for proper fitment.
2. Use the provided binding band and hardware to securely fasten the bracket to the extensions. Tighten fasteners to the manufacturer's recommended torque specifications (if available, otherwise hand-tighten firmly).
3. Place the FC35 bottle onto the mounted bracket. The bracket's wing can be flipped to adjust the bottle's angle, allowing for horizontal placement even if your aero bars are tilted.
4. Secure the bottle to the bracket using the red silicone strap. Ensure it is snug to prevent movement during rides.



Figure 1: FC35 Hydration System securely mounted on bicycle aero bars.

4.2 Straw Configuration

The FC35 offers flexible straw positioning for optimal comfort and accessibility.

- **Dual Straw Position:** The straw's holding position can be adjusted to either the left or right side of the bottle.

- **Convertible Straw:** The straw can be positioned at the front or rear of the bottle, depending on rider preference.
- Attach the bite valve to the end of the straw.

4.3 Front Computer Mount

An integrated mount is located at the front of the system to hold your cycling computer or other electronic devices, maximizing visibility of your data during rides.



Figure 2: Top view of the FC35 system, highlighting the straw and refill port.

5. OPERATING INSTRUCTIONS

5.1 Filling the Bottle

The FC35 features a non-splash refill port for convenient and mess-free fluid replenishment during your ride or before. Simply open the port, pour in your desired fluid, and securely close the port to prevent spillage.

5.2 Hydration During Ride

Utilize the straw and bite valve to access fluids from the bottle while maintaining an aerodynamic position. The adjustable straw ensures easy reach.

5.3 Nutrition Storage

The rear aerofoil compartment provides integrated storage for nutrition items such as gels or small energy bars. This keeps your essential fuel close at hand and maintains the system's aerodynamic profile.

6. MAINTENANCE

6.1 Cleaning

Regular cleaning is essential to maintain hygiene and prolong the life of your hydration system. The FC35 bottle is made from HDPE (High-Density Polyethylene), which is BPA-free and food-safe, making it easy to clean.

- Disassemble all removable parts: bottle, straw, bite valve, and caps.
- Wash all components with warm water and mild dish soap. Use a bottle brush for thorough cleaning of the interior.
- Rinse all parts thoroughly to remove any soap residue.
- Allow all components to air dry completely before reassembling or storing to prevent mold and mildew growth.
- For deep cleaning, a solution of baking soda and water or specialized bottle cleaning tablets can be used.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your FC35 Hydration System.

Problem	Possible Cause	Solution
Bottle feels loose or moves during ride	Mounting bracket not tightened sufficiently; red silicone strap not secure.	Ensure the BTA tilt bracket is firmly secured to aero bar extensions. Verify the red silicone strap is properly installed and snug around the bottle.
Liquid splashes or leaks from the top	Bottle overfilled; refill port not closed properly; cap not sealed.	Do not overfill the bottle beyond its stated capacity. Ensure the non-splash refill port is fully closed and the main cap is securely tightened.

Problem	Possible Cause	Solution
Difficulty drawing liquid through straw	Straw or bite valve blockage; air vent obstructed.	Check the straw and bite valve for any blockages and clean them thoroughly. Ensure the air vent on the bottle is clear.
Red silicone strap is difficult to install/remove	Strap design requires specific technique.	Practice installation in a relaxed environment. Ensure the strap is threaded correctly through itself and around the bottle. It is designed for a tight fit to secure the bottle.

8. SPECIFICATIONS



Figure 3: Side view of the FC35 Hydration System bottle.

Feature	Detail
Product Model Number	ACFCN35DRK8
Color	White
Size	Small
Material	High-density polyethylene (HDPE), BPA-free, Food-safe
Batteries Included/Built-in	No
Capacity	1035 ml (35 fluid ounces)

Feature	Detail
Product Dimensions (L x W x H)	34.93 x 13.34 x 22.23 cm
Product Weight	503.49 g
Extension Width Requirement (C-C)	65 - 140 mm
ASIN	B01MEFBY7S
First Available Date	October 18, 2016

9. WARRANTY AND SUPPORT

Specific warranty information for the PROFILE DESIGN FC35 Hydration System is not provided in the product details. For warranty claims, technical support, or replacement parts, please contact PROFILE DESIGN directly through their official website or authorized distributors.

Always refer to the manufacturer's official resources for the most current and detailed support information.