

Profile Design ACFCN25DRK1

Profile Design FC25 Hydration System with Bite Valve User Manual

Model: ACFCN25DRK1

INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Profile Design FC25 Hydration System with Bite Valve. Please read this manual thoroughly before using the product to ensure optimal performance and safety. The FC25 system is designed to improve bike handling by positioning the hydration volume between the rider's arms, featuring an integrated front computer mount and a rear airfoil storage system.

PRODUCT OVERVIEW

The Profile Design FC25 Hydration System is a low-profile, sleek solution for on-bike hydration. It includes a BPA-free, food-safe HDPE bottle, an engineered no-splash refill port, a front computer mount, and a rear airfoil storage system.



Figure 1: Main view of the Profile Design FC25 Hydration System, showcasing its sleek black design with the clear bite valve straw extending upwards.



Figure 2: Side view of the FC25 Hydration System, highlighting the integrated computer mount and the red retention strap.



Figure 3: Front view of the FC25 Hydration System, showing the dual mounting clamps and the overall aerodynamic shape.





Figure 4: Top-down view of the FC25 Hydration System, illustrating the no-splash refill port and the straw's position.

Included Components:

- FC25 Hydration Bottle (25oz capacity)
- Integrated Front Computer Mount
- Rear Airfoil Storage System
- Bite Valve and Straw
- Mounting Hardware (as shown in Figure 5)



Figure 5: All components included with the FC25 Hydration System, including the main bottle, mounting straps, and small hardware pieces.

SETUP AND INSTALLATION

Proper installation is crucial for the stability and performance of your hydration system. The FC25 is compatible with Profile Design universal Aero drink bracket and fits narrow mounting aero bars or wider setups with the Profile Design base bar bracket.

Tools Required:

- Hex Key Set (appropriate sizes for your aero bars)

Installation Steps:

1. **Attach Mounting Brackets:** Secure the mounting brackets to your bicycle's aero bars. Ensure they are evenly spaced and tightened sufficiently to prevent movement during rides.
2. **Position the Hydration System:** Place the FC25 hydration system onto the mounted brackets. The system should sit snugly between your aero bars.
3. **Secure with Straps:** Use the provided retention straps (red strap shown in Figure 5) to firmly secure the hydration system to the brackets. Ensure the straps are taut but do not overtighten, which could damage the system or aero bars.
4. **Install Computer Mount:** If desired, attach your cycling computer to the integrated front computer mount. Ensure it clicks securely into place.
5. **Insert Straw and Bite Valve:** Insert the straw into the designated port on the bottle. Attach the bite valve to the end of the straw. Adjust the straw length as needed for comfortable access while riding.
6. **Initial Fill and Leak Check:** Before your first ride, fill the bottle with water using the no-splash refill port. Check for any leaks around the cap and straw connection.

OPERATING INSTRUCTIONS

Filling the Bottle:

The FC25 features an engineered, patent-pending no-splash refill port. Simply open the port cover and pour your desired liquid into the bottle. Close the cover firmly after filling to prevent spills.

Drinking from the System:

To drink, simply bring the bite valve to your mouth and apply gentle pressure to open the valve, then sip. The straw is designed for easy access while maintaining an aerodynamic position.

Using the Storage System:

The rear airfoil storage system provides a convenient place for small items like energy gels or tools. Ensure items are securely placed to prevent them from bouncing out during rides.

MAINTENANCE

Regular cleaning and maintenance will extend the life of your FC25 Hydration System and ensure hygienic use.

Cleaning the Bottle and Components:

- **Disassembly:** Disassemble all components: bottle, cap, straw, and bite valve.
- **Washing:** Wash all parts with warm water and mild dish soap. Use a bottle brush for the interior of the bottle and a small brush for the straw and bite valve to ensure thorough cleaning.
- **Rinsing:** Rinse all components thoroughly to remove any soap residue.
- **Drying:** Allow all parts to air dry completely before reassembling to prevent mold or mildew growth.
- **Bite Valve Care:** Periodically inspect the bite valve for wear or damage. If the valve becomes stiff or leaks, it may need to be replaced.

Storage:

When not in use, store the hydration system in a clean, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Leaking from the bottle	Cap not securely closed; damaged O-ring; overfilling.	Ensure cap is tightly sealed. Inspect O-ring for damage and replace if necessary. Do not overfill past the maximum capacity line.

Problem	Possible Cause	Solution
Difficulty drinking from bite valve	Bite valve clogged or damaged; straw kinked.	Clean the bite valve thoroughly. Check straw for kinks or obstructions. Replace bite valve if damaged.
System feels loose on aero bars	Mounting brackets or straps not tightened sufficiently.	Re-tighten all mounting bolts and retention straps. Ensure proper alignment.
Items falling out of storage system	Items not securely placed; excessive vibration.	Ensure items are firmly tucked into the storage compartment. Consider using a small mesh bag for very small items.

SPECIFICATIONS

Feature	Detail
Model Name	FC25 Hydration System with Bite Valve
Model Number	ACFCN25DRK1
Brand	Profile Design
Capacity	25 oz (approximately 739 ml)
Material	BPA-free, food-safe HDPE Plastic
Color	Black (or White, depending on variant)
Dimensions (LxWxH)	Approx. 15 x 7 x 4 inches (38.1 x 17.8 x 10.2 cm)
Weight	Approx. 0.45 kg (0.99 lbs)
Features	No-splash refill port, integrated front computer mount, rear airfoil storage system, bite valve.

WARRANTY INFORMATION

Profile Design products are manufactured to high standards and are covered by a limited warranty against defects in materials and workmanship. Please refer to the official Profile Design website or contact their customer support for specific warranty terms and conditions applicable to your region and product.

Note: This general information does not supersede any specific warranty provided by the manufacturer.

SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Profile Design customer service:

- **Website:** www.profile-design.com (Check for contact information and FAQs)
- **Email:** Refer to the website for specific support email addresses.
- **Phone:** Refer to the website for regional phone numbers.

When contacting support, please have your product model number (ACFCN25DRK1) and purchase date ready.