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- › [Tunze](#) /
- › [Tunze Comline DOC Skimmer 9004 DC User Manual](#)

Tunze 9004.001

Tunze Comline DOC Skimmer 9004 DC User Manual

Model: 9004.001



1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Tunze Comline DOC Skimmer 9004 DC. This high-performance protein skimmer is designed for efficient organic waste removal in marine and reef aquariums, contributing to a healthy aquatic environment. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.



Image 1: Tunze Comline DOC Skimmer 9004 DC and its controller unit.

2. SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or cleaning.
- Ensure the skimmer is fully submerged to the recommended water level during operation.
- Do not operate the skimmer if the power cord or plug is damaged.
- This device is designed for indoor use in aquariums only.
- Keep out of reach of children.
- Avoid touching moving parts during operation.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Tunze Comline DOC Skimmer 9004 DC unit
- Collection cup with lid
- DC motor with controller
- Magnet holder for mounting
- Air hose and silencer
- Power supply unit

4. SETUP AND INSTALLATION

Follow these steps to properly install your skimmer:

1. **Unpack and Inspect:** Carefully remove all components from the packaging and inspect for any damage.
2. **Assemble Skimmer:** The skimmer typically comes pre-assembled. Ensure the collection cup is securely seated on the main body. Verify that the air hose is properly connected to the pump's air intake and the air silencer.
3. **Mounting:** The skimmer uses a magnet holder for attachment. Place the skimmer inside the aquarium or sump at the desired location. Position the external magnet on the outside of the glass, aligning it with the internal magnet on the skimmer body. Ensure a secure grip.
4. **Water Level:** The skimmer's performance is highly dependent on the water level. Position the skimmer so that the water line in the aquarium or sump is between the minimum and maximum markings indicated on the skimmer body. Adjust the skimmer's height using the magnet holder if necessary.
5. **Connect Controller:** Connect the DC motor cable from the skimmer to the controller unit. Then, connect the power supply unit to the controller and plug it into a suitable power outlet.
6. **Initial Start-up:** Upon first start-up, the skimmer may produce micro-bubbles. This is normal during the break-in period, which can last from a few hours to several days. The skimmer will stabilize and begin producing stable foam over time.

5. OPERATING INSTRUCTIONS

The Tunze Comline DOC Skimmer 9004 DC features a DC motor with a controller for precise adjustment.

- **Power On/Off:** Plug in the power supply to turn the skimmer on. Unplug to turn it off.
- **Skimrate Production Adjustment:** The controller allows you to adjust the pump's output, which directly affects the skimrate consistency.
 - Use the knob or buttons on the controller to increase or decrease the pump's power.
 - For **wet skimrate** (lighter color, more liquid), increase the pump power or raise the skimmer slightly.
 - For **dry skimrate** (darker color, thicker consistency), decrease the pump power or lower the skimmer slightly.
 - Observe the foam head in the neck of the collection cup. It should form a stable column of fine bubbles.
- **Collection Cup Cleaning Function:** The controller may include a "cup cleaning" or "feed mode" button. Pressing this button typically pauses the skimmer for a set period (e.g., 10 minutes) to allow for collection cup removal and cleaning without overflowing. Press it again to resume normal operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your skimmer.

- **Collection Cup:** Empty and clean the collection cup regularly, typically every 1-3 days, or as needed depending on skimrate production. Rinse with fresh water.
- **Skimmer Neck:** Wipe the inside of the skimmer neck (below the collection cup) weekly to prevent organic buildup, which can hinder foam production.

- **Air Silencer and Air Hose:** Check the air silencer and air hose periodically for blockages or salt creep. Clean with fresh water and a small brush if necessary.
- **Pump and Impeller:** Every 1-3 months, or if performance decreases, disassemble the pump and clean the impeller and pump housing. Remove any debris, calcium buildup, or slime. Use a soft brush and vinegar solution for stubborn deposits. Rinse thoroughly with fresh water before reassembly.
- **General Cleaning:** For a more thorough cleaning, the entire skimmer body can be soaked in a vinegar solution to remove stubborn algae and calcium deposits. Rinse thoroughly before returning to the aquarium.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No foam production or very little foam.	New skimmer (break-in period). Low water level. Air intake blocked. Pump/impeller dirty or blocked. Chemicals in water (e.g., medications, water conditioners). Too much surface agitation.	Allow several days for break-in. Adjust skimmer height to recommended water level. Clean air hose and silencer. Clean pump and impeller. Perform water change; avoid using oily hands in water. Reduce water flow near skimmer.
Excessive micro-bubbles in aquarium.	New skimmer (break-in period). Water level too high. Skimmer not seated correctly.	Allow break-in period. Lower skimmer slightly or reduce pump power. Ensure skimmer is securely mounted and level.
Skimmer overflowing collection cup rapidly.	Water level too high. Pump power too high. Oily residue in water (e.g., from hands, food).	Lower skimmer or reduce water level. Reduce pump power via controller. Perform water change; avoid contaminants.
Skimmer is noisy.	Air intake partially blocked. Impeller obstructed or damaged. Vibrations against aquarium glass.	Clean air hose and silencer. Inspect and clean impeller. Adjust skimmer position to prevent contact with glass.

8. SPECIFICATIONS

Feature	Detail
Model Number	9004.001
Brand	Tunze
Dimensions (LxWxH)	4.3 x 3.5 x 12 inches

Feature	Detail
Item Weight	3 pounds
Power Supply	DC Motor with Controller (12V/24V compatible, specific voltage depends on power supply)
Application	Marine and Reef Aquariums
Color	Black, Blue, Clear, Red, White (housing components)

9. SUPPORT AND CONTACT INFORMATION

For technical assistance, spare parts, or warranty inquiries, please contact Tunze customer support.




- **Manufacturer:** Tunze USA LLC
- **Website:** www.tunze.com (Please refer to the official Tunze website for the most current contact details and support resources.)




Note: Warranty terms and conditions may vary by region and retailer. Please retain your proof of purchase for warranty claims.



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Related Documents - 9004.001

	<p>TUNZE COMLINE DOC Skimmer 9004/9004 DC & Foamer 9004.040/9004.041 User Manual</p> <p>Comprehensive user manual for the TUNZE COMLINE DOC Skimmer 9004, 9004 DC, and COMLINE Foamer 9004.040, 9004.041. Includes installation, operation, maintenance, safety instructions, and technical specifications for marine aquariums.</p>
	<p>TUNZE COMLINE DOC Skimmer 9001 & 9001 DC and Foamer 9001.040 User Manual</p> <p>Comprehensive user manual for TUNZE COMLINE DOC Skimmer 9001, 9001 DC, and Foamer 9001.040, 9001.041. Includes installation, operation, maintenance, safety, and technical specifications for aquarium protein skimmers and foamers.</p>
	<p>TUNZE DOC Skimmer 9430 DC User Manual and Technical Guide</p> <p>This document provides comprehensive instructions for the TUNZE DOC Skimmer 9430 DC, covering its features, installation, operation, maintenance, safety guidelines, and technical specifications for saltwater aquariums.</p>

	<p>TUNZE ORCA MK2, Turbelle nanostream, Turbelle stream - Aquarium Circulation Pumps User Manual</p> <p>Comprehensive user manual for TUNZE ORCA MK2, Turbelle nanostream, and Turbelle stream aquarium circulation pumps. Includes safety instructions, product features, technical specifications, installation guides, and troubleshooting.</p>
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	<p>TUNZE Turbelle stream Aquarium Pumps - Instructions for Use & Technical Specifications</p> <p>This document provides instructions for use, technical specifications, and safety information for TUNZE Turbelle stream aquarium pumps, including models 6065, 6085, 6125, 6105 eco, and 6255 eco, along with the TUNZE HUB Controller 7020.</p>