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› TUXING Diving Ventilator Z500+BCD Instruction Manual

## TUXING Z500+BCD

# TUXING Diving Ventilator Z500+BCD Instruction Manual

Model: Z500+BCD

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your TUXING Z500+BCD Diving Ventilator. Please read it thoroughly before operating the device. The TUXING Z500+BCD is designed to provide a continuous air supply for underwater activities, offering a maximum diving depth of 10 meters and an endurance of up to 5 hours on a full charge. It features a powerful battery-driven compressor capable of delivering 53 liters of oxygen per minute.

### Product Components

The TUXING Z500+BCD system includes the main diving ventilator unit, a Scuba BCD (Buoyancy Control Device), a 45-foot air hose, a breathing regulator, and a mouthpiece.

# Z500+BCD

The maximum depth is 10 meter and the endurance is 5 hours



Figure 1: TUXING Z500+BCD Diving Ventilator System. This image displays the complete diving ventilator system, including the main floating unit, the air hose, the regulator, and the BCD.



Figure 2: TUXING Z500+BCD Diving Ventilator Unit. This image shows the floating ventilator unit connected to the air hose and breathing regulator.



Figure 3: Scuba BCD. This image presents the Buoyancy Control Device (BCD) that is part of the diving system.

## 2. IMPORTANT SAFETY INFORMATION

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Your safety is paramount. Adhere to all safety guidelines to prevent injury or equipment damage.

- **Cooling Periods:** Allow the machine to cool down for 5 minutes after every half hour of continuous operation to prevent overheating.
- **Water Use Only:** This device is designed exclusively for use in water. Do not operate it in environments with large sea waves or turbulent conditions.
- **Post-Saltwater Rinse:** Immediately rinse the device with fresh water after use in seawater to prevent corrosion and extend equipment lifespan.

- **Charging Cover:** Before placing the device in water, ensure the charging cover is tightly closed and sealed to prevent water ingress.
- **Child Supervision:** Children must use this product only under direct adult supervision.
- **Professional Guidance:** Non-professional divers should only use this product under the guidance of certified professional divers.

### 3. SETUP INSTRUCTIONS

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#### 3.1 Unpacking and Inspection

Carefully unpack all components. Inspect for any visible damage. Ensure all parts listed in the product packaging are present.

#### 3.2 Assembly

1. **Connect Air Hose:** Attach one end of the 45-foot air hose to the designated air outlet on the main diving ventilator unit. Ensure a secure, airtight connection.
2. **Attach Regulator:** Connect the breathing regulator to the other end of the air hose.
3. **Mouthpiece:** Securely attach the mouthpiece to the breathing regulator.
4. **BCD Integration:** If using the BCD, attach the regulator and hose to the BCD as per standard diving equipment practices.



Figure 4: Product Parameter Diagram. This diagram illustrates the various components of the diving ventilator, including the silenced air intake pipe, power display, waterproof switch, respirator, telescopic tube, activated carbon filter, and back strap.

#### 3.3 Charging the Device

Before initial use, fully charge the diving ventilator unit. Locate the charging port, typically protected by a waterproof cover. Use the provided charger to connect the device to a power source. The power display will indicate charging status. A full charge provides approximately 5 hours of operation.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Pre-Dive Checks

- Verify the battery level on the power display.
- Confirm all hose connections are secure and free from kinks or damage.
- Test the breathing regulator for proper air flow.
- Ensure the charging cover is tightly sealed.

### 4.2 Deployment

Place the main diving ventilator unit gently onto the water surface. The unit is designed to float, keeping the air intake above water. Ensure the air intake pipe is clear of obstructions.

### 4.3 Breathing Underwater

Once in the water, place the mouthpiece in your mouth and begin breathing normally. The regulator will deliver air from the surface unit. Monitor your depth and air supply as needed.



Figure 5: Underwater Operation. This image depicts a diver utilizing the TUXING Diving Ventilator system to explore the underwater environment.



Figure 6: Ventilator Unit Floating. This image shows the main ventilator unit floating securely on the water surface, ready for use.

## 4.4 Post-Dive Procedures

- Remove the device from the water.
- Disconnect the air hose and regulator.
- Rinse all components thoroughly with fresh water, especially after saltwater use.
- Allow all parts to air dry completely before storage.

## 5. MAINTENANCE AND CARE

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Proper maintenance ensures the longevity and reliable performance of your diving ventilator.

- **Cleaning:** After each use, particularly in saltwater, rinse the entire system (ventilator unit, hose, regulator, mouthpiece, BCD) with clean fresh water. Do not use harsh chemicals or abrasive materials.
- **Drying:** Ensure all components are completely dry before storage to prevent mold, mildew, and corrosion.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Keep it protected from physical damage.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Recharge the battery regularly, even during periods of non-use.
- **Cooling Protocol:** Adhere to the 5-minute cooling period for every 30 minutes of operation to prevent internal component stress from overheating.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Device not turning on	Low battery; Power switch off; Faulty connection	Charge the battery; Ensure power switch is ON; Check all connections.
Reduced air flow	Hose kinked or blocked; Regulator issue; Low battery; Air intake obstructed	Check hose for kinks; Inspect regulator for debris; Recharge battery; Clear air intake.
Difficulty breathing at depth	Exceeding recommended depth; Regulator malfunction	Ensure you are within the 10-meter maximum depth limit. If issues persist, consult a professional or contact support.
Water leakage	Charging cover not sealed; Damaged seals/gaskets	Ensure charging cover is tightly closed before water entry. Inspect seals for damage and replace if necessary.

## 7. TECHNICAL SPECIFICATIONS

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Feature	Specification
Brand	TUXING
Model Name	Diving ventilation + BCD
Item Model Number	Black Z500+BCD
Maximum Operating Depth	10 meters (approximately 33 feet)
Battery Endurance	Up to 5 hours (300 minutes)
Air Flow Capacity	53 Liters Per Minute (LPM)
Power Source	Rechargeable Battery (Charged via Corded Electric)
Material	Stainless Steel (components)
Item Weight	12 Kilograms (26.4 pounds)
Product Dimensions	18.31"L x 17.13"W x 7.09"H
Included Components	Diving Ventilator Unit, Scuba BCD, 45 ft Hose, Diving Breathing Regulator, Mouthpiece

## 8. SUPPORT

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For any questions regarding your TUXING Diving Ventilator, please contact our customer support team.

- **24/7 Online Service:** Our team is available 24 hours a day, 7 days a week.
- **Contact:** If you have inquiries about purchase or use, please feel free to contact us via email. Our

professional team will reply as soon as possible.



## 24/7 VIP Customer Support

- ① 7\*24 hours online service.
- ② If you have any questions about purchase or use , please just feel free to contact us via Email.  
Our professional team will reply you as soon as possible.
- ③ You will get considerate customer service , a cost-effective and high-quality products , so please place order now !

Figure 7: Customer Support Information. This image highlights the availability of 24/7 VIP customer support for assistance.