

TUXING Z270

TUXING Z270 Scuba Diving Ventilator Instruction Manual

Model: Z270 | Brand: TUXING

1. INTRODUCTION

The TUXING Z270 Scuba Diving Ventilator is a portable, tankless diving system designed to provide a continuous air supply for underwater activities. This system eliminates the need for traditional heavy oxygen cylinders, offering enhanced freedom and ease of movement for divers. It features a powerful battery-driven compressor and a waterproof design for reliable performance in aquatic environments.

2. SAFETY INFORMATION

Before operating the TUXING Z270 Scuba Diving Ventilator, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or death.

- **Maximum Operating Depth:** Do not exceed a maximum diving depth of 10 meters (approximately 33 feet). Diving beyond this depth can lead to equipment malfunction or serious health risks.
- **User Competence:** This device is intended for use by individuals trained and certified in scuba diving or snorkeling. Do not use this equipment without proper training and understanding of diving safety procedures.
- **Pre-Dive Checks:** Always perform a thorough inspection of all components before each dive. Check for any damage, loose connections, or obstructions. Ensure the battery is fully charged.
- **Never Dive Alone:** Always dive with a buddy.
- **Monitor Air Supply:** Pay close attention to the battery level indicator to ensure sufficient power for your dive duration and ascent.
- **Emergency Procedures:** Be familiar with emergency ascent procedures and how to handle unexpected situations underwater.
- **Environmental Conditions:** Do not use the device in adverse weather conditions, strong currents, or areas with heavy boat traffic.
- **Maintenance:** Follow all maintenance instructions to ensure the longevity and safe operation of the device.
- **Children:** Keep out of reach of children. This is not a toy.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- TUXING Z270 Main Ventilator Unit
- Floating Buoy (attached to main unit)
- Air Hose (approx. 10 meters)
- Mouthpiece/Regulator
- Charging Cable/Adapter
- User Manual (this document)



Image: The TUXING Z270 main ventilator unit with its orange floating buoy and blue air hose connected.

4. SETUP

Follow these steps to prepare your TUXING Z270 for use:

1. **Charge the Unit:** Before initial use, fully charge the ventilator unit. Locate the charging port (refer to image below) and connect the provided charging cable. The display will indicate charging status. A full charge can provide 3.5 to 5 hours of operation.



Image: Close-up view of the main unit's top surface, showing the waterproof charging port (black cap) and the air inlet (silver nozzle).

2. **Attach the Handle (if detached):** If the handle is not already attached, align it with the designated slots on the underside of the unit and secure it firmly.



Image: A hand demonstrating the attachment of the blue carrying handle to the white underside of the ventilator unit.

3. **Connect the Air Hose:** Securely connect one end of the air hose to the outlet port on the underside of the main ventilator unit. Ensure a tight seal to prevent air leakage.

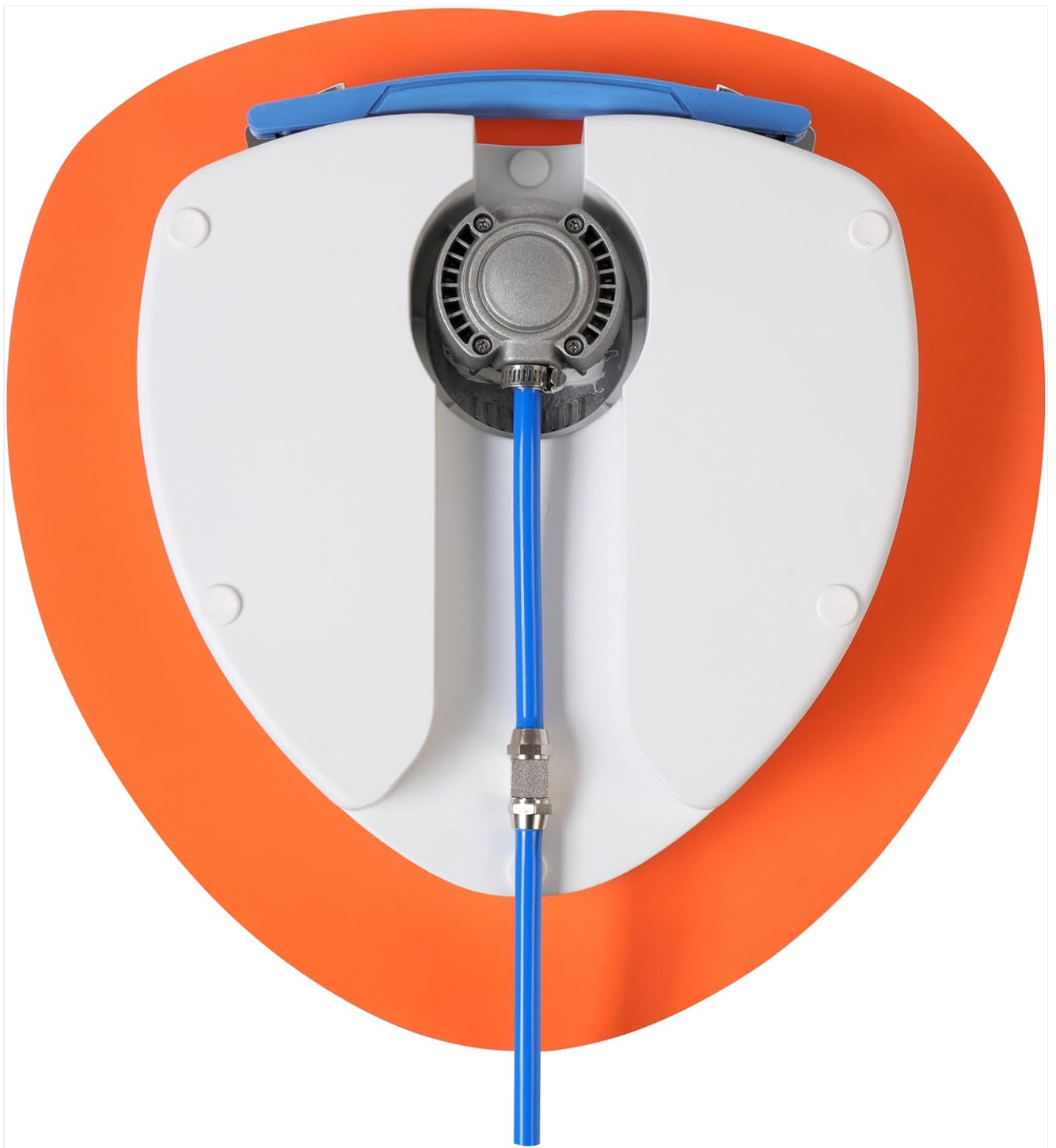


Image: The underside of the TUXING Z270 unit, revealing the motor and the connection point for the blue air hose.

4. **Connect the Mouthpiece/Regulator:** Attach the other end of the air hose to your mouthpiece or regulator.
5. **Inspect Buoy:** Ensure the floating buoy is securely attached to the main unit and is free from damage.





Image: A detailed view of the orange floating buoy, which helps keep the ventilator unit afloat on the water surface.

5. OPERATING INSTRUCTIONS

Once the unit is set up and charged, you are ready to operate it:

1. **Power On:** Locate the power button on the unit (typically near the display) and press it to turn on the ventilator. The display will illuminate, showing the current battery level.



Image: A close-up of the digital display screen on the ventilator unit, indicating a battery charge of 29%.

2. **Deployment:** Carefully place the TUXING Z270 unit onto the water surface. The floating buoy will keep it afloat. Ensure the air inlet is clear of obstructions and above the waterline.
3. **Begin Diving:** Enter the water and begin your dive, keeping the air hose free from entanglement. The unit will continuously supply air at a rate of 53 liters per minute.
4. **Monitor Battery:** Regularly check the battery display during your dive. Plan your dive duration to ensure you have ample battery life for a safe return to the surface. The unit provides 3.5 to 5 hours of operation on a full charge.
5. **Maximum Depth Adherence:** Always stay within the maximum recommended diving depth of 10 meters.
6. **Power Off:** After your dive, retrieve the unit from the water and press the power button to turn it off.

6. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your TUXING Z270:

- **Rinse After Use:** After each use in saltwater, thoroughly rinse the entire unit, hose, and mouthpiece with fresh water to remove salt and debris.
- **Dry Thoroughly:** Allow all components to air dry completely before storage. Do not store the unit wet.
- **Inspect Hoses and Connections:** Regularly check the air hose for cracks, punctures, or wear. Ensure all connections are

secure and free from corrosion.

- **Battery Care:**
 - Store the unit in a cool, dry place.
 - Avoid fully discharging the battery for extended periods.
 - If storing for a long time, charge the battery to approximately 50-60% every few months.
- **Clean Air Inlet:** Ensure the air inlet is free from any blockages or debris.
- **Storage:** Store the unit in a protective case or bag to prevent damage. Avoid exposing it to extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your TUXING Z270, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Battery is discharged.	Charge the unit fully.
Unit does not power on.	Power button malfunction.	Contact customer support.
Low or no air flow.	Air hose kinked or blocked.	Check and straighten the air hose. Ensure no debris is in the mouthpiece.
Low or no air flow.	Air inlet submerged or blocked.	Ensure the unit is floating correctly and the air inlet is above water and clear.
Short battery life.	Battery not fully charged or aging battery.	Ensure full charge before use. If battery life significantly degrades, consider battery replacement (contact support).
Water entering the air hose.	Improper unit deployment or damage.	Ensure the unit is floating correctly and not submerged. Inspect the unit and hose for damage.

8. SPECIFICATIONS

Key technical specifications for the TUXING Z270 Scuba Diving Ventilator:

Brand	TUXING
Model Number	Z270
Maximum Diving Depth	10 meters (33 feet)
Air Flow Capacity	53 Liters Per Minute
Battery Life (Fully Charged)	210 minutes (3.5 hours) / 300 minutes (5 hours)
Voltage	110 Volts
Noise Level	50 Decibels
Item Weight	6 Kilograms
Dimensions (L x W x H)	15.74" x 5.9" x 5.9"
Material Type	Plastic

9. WARRANTY AND SUPPORT

Warranty Information: The provided product data indicates "Manufacturer Warranty Description: Not application". For specific warranty terms and conditions, please contact TUXING directly or refer to the documentation included with your purchase.

Customer Support: For technical assistance, troubleshooting beyond this manual, or inquiries regarding parts and service, please contact the TUXING Official Store or visit their official website. Contact information is typically available on the product packaging or the seller's page where the product was purchased.

