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› [OUBO Class B Digital Tabletop Drying Function Sterilizer \(18L\) User Manual](#)

OUBO 18L

OUBO Class B Digital Tabletop Drying Function Sterilizer (18L) User Manual

Model: 18L

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your OUBO Class B Digital Tabletop Drying Function Sterilizer (18L). This advanced steam sterilizer is designed for the sterilization of medical instruments and materials, featuring triple vacuum pressure, a drying function, a built-in printer, and a USB connector for data logging. Please read this manual thoroughly before operating the device and retain it for future reference.

2. SAFETY INFORMATION

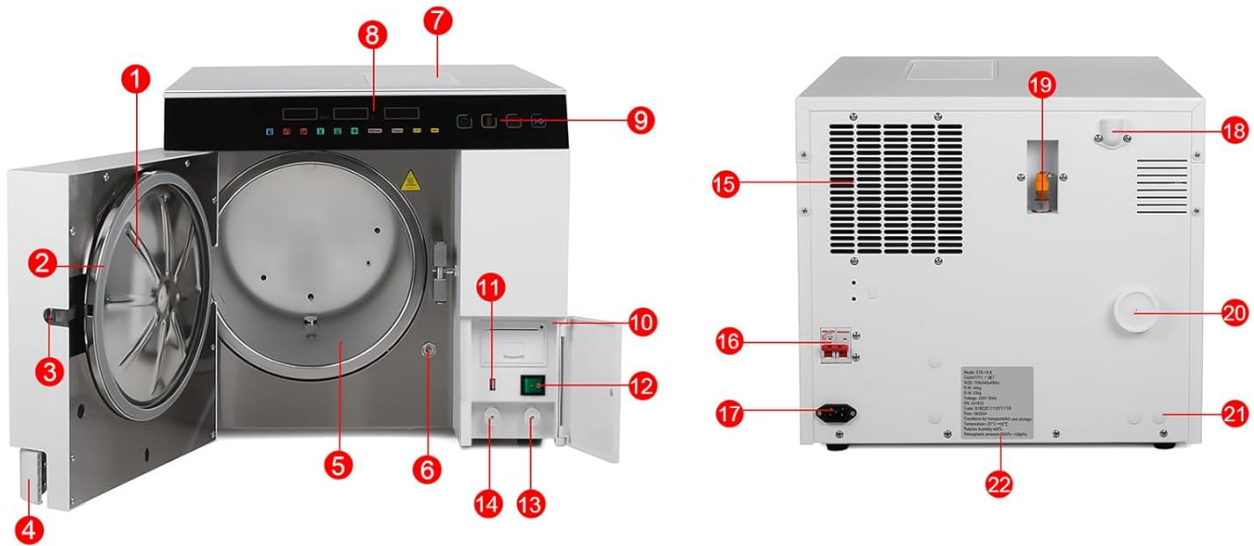
Adherence to safety guidelines is crucial for preventing injury and ensuring proper device function. Always follow these precautions:

- Read and understand all instructions before use.
- Operate the sterilizer only in a well-ventilated area.
- Use only distilled water for operation to prevent mineral buildup and damage.
- Ensure the power supply matches the device's requirements.
- Do not open the chamber door during a sterilization cycle.
- Allow instruments to cool before handling after a cycle.
- Regularly inspect the door seal and other components for wear or damage.
- Maintenance should only be performed by qualified personnel.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your sterilizer.

3.1. Components Diagram



CORRESPONDING NAME

1.Door	9. Glass touch button	17.Power socket
2.Seal	10.Printer(Optional)	18.Used water tank vent
3.Door lock	11.USB port	19. Safety valve
4.Door handle	12.Main power switch	20.Bacteriological filter
5.Chamber	13.Drain connector(Distilled water tank)	21.Drain connector(Used water
6.Door spindle	14.Drain connector(Used water tank)	22.Rating plate
7.Distilled water tank	15.Condenser vent	16.Circuit breaker
8.Nixie tube display		

Figure 1: Front and Rear View of the Sterilizer with Labeled Components.

Table 1: Sterilizer Components

No.	Component	No.	Component
1	Door	12	Main power switch
2	Seal	13	Drain connector (Distilled water tank)
3	Door lock	14	Drain connector (Used water tank)
4	Door handle	15	Condenser vent
5	Chamber	16	Circuit breaker
6	Door spindle	17	Power socket
7	Distilled water tank	18	Used water tank vent
8	Nixie tube display	19	Safety valve

No.	Component	No.	Component
9	Glass touch button	20	Bacteriological filter
10	Printer (Optional)	21	Drain connector (Used water)
11	USB port	22	Rating plate

4. SETUP

4.1. Unboxing and Placement

1. Carefully remove the sterilizer from its packaging. Inspect for any shipping damage.
2. Place the sterilizer on a stable, level surface capable of supporting its weight. Ensure adequate clearance around the unit for ventilation and maintenance.



Figure 2: Sterilizer and Packaging.

4.2. Power Connection

1. Locate the power socket (17) and circuit breaker (16) on the rear of the unit.
2. Connect the power cord securely to the sterilizer and a grounded electrical outlet.
3. Ensure the circuit breaker is in the 'ON' position.



Figure 3: Power Connection Points.

4.3. Water Filling

1. Open the lid of the distilled water tank (7) located on the top of the sterilizer.
2. Pour only distilled water into the tank until it reaches the maximum fill line. Do not overfill.
3. Close the lid securely.



Figure 4: Distilled Water Tank Access.

4.4. Initial Self-Check and Operation Overview

This video demonstrates the initial setup, loading of instruments, and basic operation of the sterilizer, including the self-check process and program selection.

Video 1: OUBO Class B Sterilizer Setup and Operation Guide. This video illustrates the process of opening the door, loading instruments onto the trays, closing the door, switching on the unit, and navigating the control panel to select programs and temperatures before starting a sterilization cycle.

5. OPERATING INSTRUCTIONS

5.1. Loading Instruments

1. Open the sterilizer door (1) using the door handle (4).
2. Place instruments onto the provided trays. Ensure instruments are clean and properly arranged to allow steam penetration. Do not overload trays.
3. Insert the loaded trays into the chamber (5).

DISINFECTION HIGH PRESSURE

Strong sterilization has no hidden form



Figure 5: Loading Instruments into the Chamber.

5.2. Control Panel Overview

The control panel features a Nixie tube display (8) and glass touch buttons (9) for program selection and monitoring.



5.3. Selecting Sterilization Program

Use the program button to cycle through available sterilization programs:

- **Unwrapped:** For unwrapped solid instruments.
- **Wrapped:** For wrapped instruments or porous loads.
- **Prion:** For specific prion decontamination cycles.

5.4. Selecting Temperature

Use the temperature selection button to choose between:

- **121°C:** Standard sterilization temperature.
- **134°C:** Higher temperature sterilization for specific materials.

5.5. Selecting Test Programs

The sterilizer includes diagnostic test programs:

- **B&D/Helix Test:** Bowie & Dick / Helix test for steam penetration.
- **Vacuum Test:** Checks for vacuum integrity.

5.6. Starting and Monitoring a Cycle

1. After selecting the desired program and temperature, press the 'Start' button.
2. The display will show the current pressure, temperature, and cycle status.
3. The built-in printer (10) will automatically print process data and date upon completion.

5.7. Unloading Instruments

1. Once the cycle is complete and the pressure has normalized, the door lock icon will indicate it is safe to open the door.
2. Carefully open the door (1) and remove the sterilized instruments using the provided plastic handle.
3. Allow instruments to cool before handling or storage.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sterilizer.

6.1. Cleaning the Chamber

Clean the interior of the chamber and trays regularly with a soft cloth and mild detergent. Rinse thoroughly and dry.

6.2. Draining Water Tanks

The sterilizer features automatic drainage and steam exhaust. However, periodically drain the distilled water tank (7) and the used water tank (21) via their respective drain connectors (13, 14) to prevent stagnation and buildup.

6.3. Door Seal Maintenance

Inspect the door seal (2) for cracks, tears, or hardening. Replace if necessary to maintain proper sealing during cycles. The following diagram illustrates the proper installation of the door seal:

Item	18-E	23-E
Chamber(mm)	φ 250 x 350	φ 250 x 450
Rated Voltage	110-130 VAC;60 Hz/220-240 VAC; 50 Hz	
Circuit breaker	F16A/F20A/400V	
Nominal power	1750VA	
Sterilization temperature	121°C /134°C	
Capacity of the distilled water tank	Approx 2.5 L (Water at level Max)	
	Approx 0.5 L (Water at level Min)	
Operation temperature	5°C-40°C	
Operation relative Humidity	Max. 80%, non condensing	
Overall dimensions WxHxD(mm)	490x455x640	490x455x640
Net weight	45 kg	48 kg
Max. Noise level	<70 dB	
Atmospheric pressure	76 kPa - 106 kPa	

Figure 7: Door Seal Installation Steps.

7. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Table 2: Common Troubleshooting Guide

Problem	Possible Cause	Solution
Sterilizer does not power on	Power cord disconnected, circuit breaker tripped	Check power cord connection, reset circuit breaker (16)
Cycle does not start	Door not properly closed, water tank empty	Ensure door is securely latched, fill distilled water tank (7)
Steam leakage from door	Door seal (2) damaged or improperly seated	Inspect and clean door seal, replace if damaged. Ensure door is closed firmly.
Error code displayed	Specific system malfunction	Refer to the full error code list in the comprehensive manual or contact customer support.
Printer not working	No paper, paper jam, printer malfunction	Check paper supply, clear any jams, ensure printer is properly connected.

8. SPECIFICATIONS

Technical specifications for the OUBO Class B Digital Tabletop Drying Function Sterilizer (18L).

Table 3: Technical Specifications (18L Model)

Item	18L-E
Chamber (mm)	Ø 250 x 350
Rated Voltage	110-130 VAC, 60 Hz / 220-240 VAC, 50 Hz
Circuit breaker	F16A / F20A / 400V

Item	18L-E
Nominal power	1750VA
Sterilization temperature	121°C / 134°C
Capacity of the distilled water tank	Approx 2.5 L (Water at level Max) Approx 0.5 L (Water at level Min)
Operation temperature	5°C - 40°C
Operation relative Humidity	Max. 80%, non condensing
Overall dimensions WxHxD (mm)	490x455x640
Net weight	45 kg
Max. Noise level	<70 dB
Atmospheric pressure	76 kPa - 106 kPa

9. WHAT'S IN THE BOX

The following items are included with your OUBO Class B Digital Tabletop Drying Function Sterilizer (18L):



Figure 8: Included Accessories.

- OUBO Class B Digital Tabletop Drying Function Sterilizer (18L)
- Instrument Tray Rack
- Plastic Handle
- Metal Handle
- Power Cord
- Water and Steam Pipes (x2)
- Sealing Ring
- User Manual (this document)

10. WARRANTY AND SUPPORT

Your OUBO Class B Digital Tabletop Drying Function Sterilizer is covered by a manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact your authorized dealer. Always provide your model number (18L) and serial number when

seeking support.