

18L 900W

Generic 18L 900W Autoclave Steam Sterilizer User Manual

Model: 18L 900W | ASIN: B0CMTR7ZMY

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, maintenance, and troubleshooting of the Generic 18L 900W Autoclave Steam Sterilizer. Please read this manual thoroughly before operating the device to ensure proper usage and to prevent potential hazards or damage.

This autoclave is designed for steam sterilization of medical, dental, and laboratory instruments and materials that can withstand high temperatures and pressure.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or damage to the equipment.

2.1 General Safety

- Operate the autoclave only in a well-ventilated area.
- Ensure the unit is placed on a stable, level, and heat-resistant surface.
- Do not block ventilation openings.
- Keep hands and face away from the door and steam vent during operation and immediately after a cycle.
- Never attempt to open the door while the chamber is pressurized.
- Use only distilled or deionized water for operation to prevent mineral buildup and damage.
- Do not sterilize flammable, explosive, or corrosive materials.
- Always wear appropriate personal protective equipment (PPE), such as heat-resistant gloves and eye protection, when handling hot items or opening the autoclave.

2.2 Electrical Safety

- Connect the autoclave to a grounded power outlet with the correct voltage (110V/220V) as specified

on the product label.

- Do not use extension cords or adapters unless absolutely necessary and ensure they are rated for the autoclave's power requirements (900W).
- Inspect the power cord regularly for damage. Do not operate the unit with a damaged cord.
- Disconnect power before performing any maintenance or cleaning.

3. PRODUCT OVERVIEW

The Generic 18L 900W Autoclave Steam Sterilizer is designed for efficient and reliable sterilization. Familiarize yourself with its components:



Figure 3.1: Front view of the autoclave with the door open, revealing the stainless steel sterilization chamber, instrument tray, and the control panel on the right side. A pressure gauge is visible on the left.



Figure 3.2: Side view of the autoclave with its door fully open, showcasing the robust blue silicone door seal and the polished stainless steel interior of the sterilization chamber.



Figure 3.3: Front view of the autoclave with the door securely closed and latched, displaying the digital control panel, pressure gauge, and the main power switch.



Figure 3.4: Detailed close-up of the autoclave's door locking mechanism, featuring a sturdy metal handle and a secure latch system for pressure sealing.



Figure 3.5: Close-up view of the autoclave's analog pressure gauge, clearly marked in MPa, with a needle indicating the current pressure level within the chamber.

3.1 Main Components

- **Sterilization Chamber:** Stainless steel #304 chamber where items are sterilized.
- **Door and Locking Mechanism:** Ensures a secure, airtight seal during operation.
- **Control Panel:** Digital display and buttons for setting temperature and cycle parameters.
- **Pressure Gauge:** Displays internal chamber pressure.
- **Water Inlet/Outlet:** For filling and draining water.
- **Safety Valve:** Releases excess pressure if necessary.
- **Power Switch:** Main on/off control.

4. SETUP

4.1 Unpacking

1. Carefully remove the autoclave from its packaging.
2. Inspect the unit for any visible damage incurred during shipping. Report any damage to the supplier immediately.

3. Remove all packing materials from inside the chamber and around the unit.

4.2 Placement

- Place the autoclave on a sturdy, level, and heat-resistant workbench or counter.
- Ensure there is adequate clearance (at least 10 cm) around all sides of the unit for proper ventilation.
- Avoid placing the unit near heat sources or in direct sunlight.

4.3 Water Filling

- Open the autoclave door.
- Locate the water reservoir or inlet.
- Fill the reservoir with distilled or deionized water only, up to the indicated maximum fill line **Never use tap water.**
- Close the water inlet cap securely.

4.4 Power Connection

- Ensure the main power switch is in the "OFF" position.
- Connect the power cord to the autoclave's power inlet.
- Plug the power cord into a grounded electrical outlet with the correct voltage (110V/220V).

5. OPERATING INSTRUCTIONS

5.1 Preparing Items for Sterilization

- Clean all instruments thoroughly before sterilization.
- Package items appropriately (e.g., in sterilization pouches or wraps) if required.
- Arrange items in the chamber to allow for proper steam penetration and circulation. Do not overload the chamber.

5.2 Starting a Sterilization Cycle

1. Ensure the water reservoir is adequately filled.
2. Load the prepared items into the sterilization chamber.
3. Close the autoclave door firmly and engage the locking mechanism.
4. Turn on the main power switch. The control panel display will illuminate.
5. Select the desired sterilization program (e.g., 121°C or 134°C) using the control panel buttons. Refer to the specific instructions for your items regarding appropriate temperature and time.
6. Press the "Start" button to begin the cycle. The autoclave will preheat, build pressure, sterilize, and then exhaust steam.
7. Monitor the pressure gauge and control panel display during the cycle.

5.3 After the Cycle

1. Once the cycle is complete and the pressure has returned to zero, wait for the "End" or "Complete" indicator.
2. Carefully open the door slightly to allow residual steam to escape. Stand clear of the opening.

3. After a few minutes, fully open the door and use heat-resistant gloves to remove the sterilized items.
4. Allow items to cool and dry completely before handling or storage.
5. Turn off the main power switch.

6. MAINTENANCE

Regular maintenance ensures the longevity and proper functioning of your autoclave.

6.1 Daily Maintenance

- Wipe down the exterior of the unit with a damp cloth.
- Clean the interior of the chamber and instrument tray with a non-abrasive cleaner and distilled water.
- Check the door seal for any signs of damage or wear.
- Drain any remaining water from the reservoir if the unit will not be used for an extended period.

6.2 Weekly/Monthly Maintenance

- Clean the water sensor and heating element (if accessible) to prevent mineral buildup.
- Inspect the safety valve for proper operation.
- Check all connections and hoses for leaks or damage.

6.3 Water Quality

Always use distilled or deionized water. Using tap water will lead to mineral deposits, which can damage the heating element, sensors, and internal components, voiding the warranty.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; power cord loose; main switch off.	Check power connection; ensure switch is ON; check circuit breaker.
Autoclave not building pressure.	Door not sealed properly; insufficient water; faulty pressure sensor.	Ensure door is fully closed and latched; check water level; contact support if sensor suspected.
Steam leaking from door.	Door seal damaged or dirty; door not closed correctly.	Clean or replace door seal; re-latch door firmly.
Sterilization cycle incomplete.	Low water level; power interruption; error code displayed.	Check water; ensure stable power; note error code and consult manual or support.

8. SPECIFICATIONS

- **Model:** 18L 900W Autoclave Steam Sterilizer

- **Chamber Size:** 18 Liters
- **Chamber Material:** Stainless steel #304
- **Power:** 110V/220V AC, 900W
- **Temperature Control:** Chip control design
- **Safety Features:** Heating-over protection
- **Manufacturer:** pevor
- **ASIN:** B0CMTR7ZMY

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller directly. Keep your purchase receipt as proof of purchase for any warranty claims.

When contacting support, please have your model number (18L 900W) and ASIN (B0CMTR7ZMY) readily available.