

Tuttnauer 3870EAP

Tuttnauer 3870EAP Autoclave Sterilizer User Manual

Model: 3870EAP

1. INTRODUCTION

This user manual provides comprehensive instructions for the safe and effective operation, installation, maintenance, and troubleshooting of the Tuttnauer 3870EAP Autoclave Sterilizer. Please read this manual thoroughly before operating the device to ensure proper functionality and to prevent potential hazards.

The Tuttnauer 3870EAP is an advanced tabletop steam sterilizer designed for efficient and reliable sterilization processes. It features an automated cycle that handles water filling, sterilization, venting, and drying with a single button press, simplifying operation.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the equipment:

- Ensure the autoclave is installed on a stable, level surface in a well-ventilated area.
- Only trained personnel should operate this equipment.
- Do not open the chamber door during a cycle or when the chamber is pressurized.
- Wear appropriate personal protective equipment (PPE), such as heat-resistant gloves and eye protection, when handling hot items or opening the chamber after a cycle.
- Use only distilled or demineralized water to prevent scale buildup and ensure proper operation.
- Regularly inspect the door gasket and safety valves for wear or damage.
- Disconnect power before performing any maintenance or cleaning.

3. PRODUCT OVERVIEW

The Tuttnauer 3870EAP Autoclave Sterilizer is an electronic steam sterilizer equipped with a printer for cycle documentation. It offers a large chamber capacity within a tabletop design, making it suitable for various laboratory and medical settings.



Figure 1: Front view of the Tuttnauer 3870EAP Autoclave Sterilizer, showing the control panel, door handle, and integrated printer.

Key features include:

- Automated sterilization cycle.
- Electronic control panel for easy operation.
- Integrated printer for cycle records.
- Steam sterilization method.
- Typical 30-minute cycle time.



Figure 2: View of the Tuttnauer 3870EAP Autoclave Sterilizer with its chamber door open, revealing the sterilization trays inside.

4. SETUP

Proper setup is crucial for the performance and safety of your autoclave.

4.1 Unpacking and Placement

- Carefully remove the autoclave from its packaging.
- Place the unit on a sturdy, level countertop or bench capable of supporting its weight (approximately 143 pounds).
- Ensure adequate clearance around the unit for ventilation and maintenance access.

4.2 Electrical Connection

The Tuttnauer 3870EAP is a 220V unit. It requires a NEMA 6-15R socket and a dedicated 15-amp circuit breaker. Ensure that the electrical supply meets these requirements before connecting the unit.

4.3 Water Supply

Fill the water reservoir with distilled or demineralized water as per the instructions in the unit's dedicated water filling section (refer to the control panel indicators for water level).

5. OPERATION

The 3870EAP is designed for user-friendly operation with automated cycles.

5.1 Loading the Chamber

- Ensure items to be sterilized are properly prepared and packaged according to sterilization guidelines.
- Place items in the sterilization trays, ensuring proper spacing for steam penetration.
- Close the chamber door securely using the locking mechanism.

5.2 Starting a Cycle

- Power on the unit.
- Select the desired sterilization program using the control panel. The unit allows for simple setting of sterilization, dry, and total cycle times.
- Press the 'Start' button. The autoclave will automatically proceed through the following phases: water fill, heating, sterilization (typically 30 minutes), venting, and drying.

5.3 Cycle Completion

- Upon cycle completion, the unit will indicate that the process is finished.
- The integrated printer will provide a record of the cycle parameters.
- Allow the chamber and contents to cool before carefully opening the door and removing sterilized items, using heat-resistant gloves.

6. MAINTENANCE

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

6.1 Daily Maintenance

- Wipe down the exterior surfaces with a damp cloth.
- Check the water level and refill with distilled water as needed.

6.2 Weekly Maintenance

- Clean the chamber interior and trays with a non-abrasive cleaner.
- Inspect the door gasket for any signs of wear, cracks, or damage. Clean the gasket and its seating surface.

6.3 Periodic Maintenance

- Refer to the service manual for recommended intervals for professional inspection and calibration of safety valves and other critical components.
- Replace the door gasket annually or as needed.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For complex problems, contact authorized service personnel.

Problem	Possible Cause	Solution
Unit does not power on	No power supply; circuit breaker tripped	Check power cord connection; reset circuit breaker.
Cycle does not start	Door not properly closed; insufficient water level	Ensure door is latched; fill water reservoir.
Incomplete drying	Overloading chamber; clogged filter	Reduce load; clean or replace filter.
Steam leakage from door	Damaged door gasket; debris on gasket	Clean gasket and seating surface; replace gasket if damaged.

8. SPECIFICATIONS

Specification	Value
Model	3870EAP
Manufacturer	Tuttnauer
Product Dimensions	33 x 26 x 21 inches
Item Weight	143 pounds
Electrical Requirements	220V, NEMA 6-15R socket, 15 Amp Circuit Breaker
Sterilization Cycle Time	Approximately 30 minutes (variable based on settings)

Specification	Value
Sterilization Method	Steam
Features	Electronic control, Integrated Printer

9. WARRANTY AND SUPPORT

The Tuttnauer 3870EAP Autoclave Sterilizer comes with a one (1) year warranty covering parts and labor from the date of purchase.

For technical support, service, or warranty claims, please contact Tuttnauer directly or an authorized service provider. Ensure you have your model number (3870EAP) and purchase date available when contacting support.

© 2023 Tuttnauer. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question