



## User Manual – Wax Steriliser

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### 1. Introduction

The **Wax Steriliser** is designed to effectively sterilise beeswax by eliminating harmful bacteria, moulds, and other pathogens. This ensures that the wax used for beekeeping or other purposes is safe, clean, and suitable for use. The machine uses controlled heat to sterilise the wax, ensuring that its quality remains intact while being disinfected.

### 2. Safety Instructions

- **Read the Manual:** Before using the machine, thoroughly read this manual.
- **Electrical Safety:** Ensure the machine is plugged into a correctly grounded electrical outlet.
- **Fire Hazards:** Never leave the machine running unattended. Beeswax is flammable at high temperatures.
- **Machine Handling:** Always wear protective gloves when handling the machine after use, as parts may be hot.
- **Ventilation:** Use the machine in a well-ventilated area to avoid the accumulation of fumes.
- **Proper Storage:** Unplug and store the machine in a dry, cool place when not in use.



### 3. Technical Specifications

- **Model:** Wax Steriliser
- **Power Supply:** 390V
- **Heating Method:** Electric
- **Heater:** 2 pcs
- **Temperature Range:** [0-120°C]
- **Capacity:** 50L, 100L, 150L, 200L, 300L and 600L
- **Material:** Stainless Steel 304
- **Thermo regulation:** Digital
- **Insulation:** Stone wool
- **Valve:** 2 x Stainless Steel 304 - 6/4"

### 4. Installation Guidelines

- **Unpack the Machine:** Carefully remove the machine from its packaging.
- **Place the Machine:** Set the machine on a flat, sturdy surface. Ensure there is adequate space around the machine for ventilation and operation.
- **Connect to Power Supply:** Plug the machine into a grounded electrical outlet. Verify that the power cord is in good condition and does not show signs of wear or damage.
- **Water/Oil Supply:** Ensure the water/thermal oil reservoir is filled with water or thermal oil according to the machine's capacity and recommendations. Please see below:

Name	Water/thermal oil tank capacity
Duplicator for syrup 600L with mixer	100 - 110 L
Duplicator for syrup 300L with mixer	65 - 75 L
Duplicator for syrup 200L with mixer	45 - 55 L
Duplicator for syrup 150L with mixer	35 - 40 L
Duplicator for syrup 100L with mixer	25 - 30 L
Duplicator for wax 600L	100 - 110 L
Duplicator for wax 300L	65 - 75 L
Duplicator for wax 200L	45 - 55 L
Duplicator for wax 150L	35 - 40 L
Duplicator for wax 100L	25 - 30 L
Duplicator for wax 50L	15 - 20 L



## 5. Operating Instructions

### Load Beeswax:

- Place the beeswax blocks or slabs into the sterilisation chamber. Ensure they are evenly distributed to allow for optimal airflow and heat exposure.
- Do not overload the chamber to ensure effective sterilisation.

### Start the Sterilization Cycle:

- Switch on the machine by pressing the power button.
- By pressing a button UP and DOWN (on the XMTF 608 temperature controller)
- The desired temperature for the wax steriliser is set on the green screen. The achieved or current temperature is displayed on the red screen. All other parameters should remain on the factory settings.
- Use two heaters until the desired temperature is reached. After that, one heater is sufficient to maintain the desired temperature.
- Maximum permitted working temperature if the water is in the water/thermal oil reservoir is 70°C. Maximum permitted working temperature if the thermal oil is in the water/thermal oil reservoir is 120°C.
- Sterilised beeswax is coming out from the Stainless Steel 304 valves on the bottom of the tank.

### Unloading the Beeswax:

- Sterilised beeswax is coming out from the Stainless Steel 304 valves on the bottom of the tank.

## 6. Maintenance and Care

Regular Cleaning: After each use, allow the machine to cool down before cleaning.

Wipe down the interior of the sterilisation chamber with a soft cloth or sponge. For stubborn wax residue, use warm water and a non-abrasive cleaner.

Clean the exterior with a damp cloth. Avoid using harsh chemicals that might damage the machine.

**Check Electrical Connections:** Ensure all electrical connections and wires are intact and free from damage.

7. Troubleshooting Issue	Possible Cause	Solution
Machine does not start	Power supply issues	Check the power cord and plug, ensure the outlet works.
Beeswax not fully sterilised	Incorrect temperature or time settings	Adjust temperature and time, or reprocess the wax.
Excessive noise during operation	Loose or obstructed components	Inspect the heating elements.
Overheating	Faulty thermostat or ventilation issue	Contact the supplier.

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## Warranty and Service Information

- **Warranty:** This machine is covered by a **2 (two) year warranty** from the date of purchase. The warranty covers defects in material and workmanship but does not include damage from misuse or improper maintenance.
- **Service:** For repairs or servicing, please contact your supplier. Do not attempt to repair the machine yourself, as it may void the warranty.

**Customer Support:** For further assistance, please contact our customer support at:

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