



Sistema Qualità Aziendale
 Certificato secondo
 UNI EN ISO 9002
 UNI CEI EN 46002
 Certificato N° 72/98

OPERATING INSTRUCTIONS
TAU STERIL 2000 AUTOMATIC

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CE0426

DIRECTIVE 93/42 EEC
 MEDICAL DEVICES

1. Warnings

Tau Steril 2000 Automatic is a **Dry Sterilizer**. **Do not load wet material into the sterilization chamber of the unit to avoid the risk of short circuits.**

2. Introduction

2.1. Expected use of materials to sterilize

The equipment is used to sterilize surgical instruments in the medical-paramedical sector. The materials to be sterilized must **withstand** operating temperatures ranging from 0° to 200°C. **Do not load toxic materials into the sterilizer. TAU STERIL shall not assume any responsibility in this respect.**

2.2. Manufacturer's responsibility

The equipment is manufactured in compliance with European regulations. The use of this equipment is restricted to the functions for which it was originally designed and manufactured. The user shall be responsible in case of any possible risks and dangers caused by an improper use of the sterilizer.

3. Installation

Carefully remove the sterilizer from its packing and make sure there are no signs of damage. Make sure earthing is correctly made. Put the sterilizer on a flat surface, to facilitate aeration. Always respect a distance of at least 10 cm from any wall or other equipment, to allow suitable ventilation. Do not put objects or other items in the vicinity of the door, to prevent them from hindering opening of same.

Connect the sterilizer to a nearby and easily accessible plug. Press the main switch setting it to ON and make sure the sterilizer switches on.

4. Characteristics

4.1. Technical data

Weight: 13 kg

Outer dimensions: Width cm. 44 – Height cm. 38 – Depth cm. 31

Inner dimensions: Width cm. 37,5 – Height cm. 20 – Depth cm. 23

Absorption: 620 watt

Power supply: 230 V – 50Hz

4.2. Environmental working conditions

- Temperature 5° - 40°
- Moisture (with max. T° 31°) 80%
- Moisture (with max. T° 40°) 50%

4.3. Recommended times and temperatures

The temperatures that can be programmed depend on the specific characteristics stated by the manufacturer and/or on the instrument to be sterilized. The recommended temperatures for dry sterilization range from 150° to 180°. **IMPORTANT: The personnel using the sterilizer must respect above-mentioned temperatures.**

Maximum programmable temperature: 200°C

The recommended sterilization times range from a minimum of 30 minutes to a maximum of 45/60 minutes.

Maximum programmable time: 120 minutes. The sterilizer can also work indefinitely (by turning the thermostat knob counterclockwise, as indicated on the nameplate placed on the sterilizer).

5. Operating modes

- 1) Carefully clean and wipe the instruments to sterilize
- 2) Turn the main switch on
- 3) **To programme temperature:** Turn the thermostat knob and set the pointer on the temperature you wish to reach.
- 4) Turn the timer knob **clockwise** and set the pointer on time needed (max. 120 minutes).

After completion of these operations, the two-colour pilot lamps will show you the operating status of the sterilizer (green pilot lamp = operation, yellow pilot lamp = thermostat). Before stabilizing on the temperature programmed, the yellow pilot lamp will blink every now and then (to indicate that temperature is rising).

If you want to disconnect the timer and make the sterilizer operate indefinitely, turn the timer knob **counterclockwise** and set it to "manual".

For a correct use of the machine, we recommend not to overload the trays, to enable a good heat circulation.

To control temperature the sterilizer is equipped with a thermometer visualizing the programmed temperature.

6. Transport and storage conditions

The sterilizer is equipped with packing requiring normal transport precautions necessary for fragile materials, as indicated on the packing container itself. Make sure you retain the packaging materials for future shipment or should the machine need repairing. In case of storage, put the sterilizer in a moisture-free area to protect electrical parts.

7. Maintenance and cleaning

Any maintenance must be executed after disconnecting the feeding cable and when the machine is completely cold.

Use a cloth soaked in alcohol to clean periodically the interior of the sterilizer chamber.

Avoid low or high-pressure water jets. Do not allow water to flow inside the machine to avoid the risk of short circuits.

Make sure periodically that the feeding cable is in a good condition.

In case of improper functioning, please contact the manufacturer.

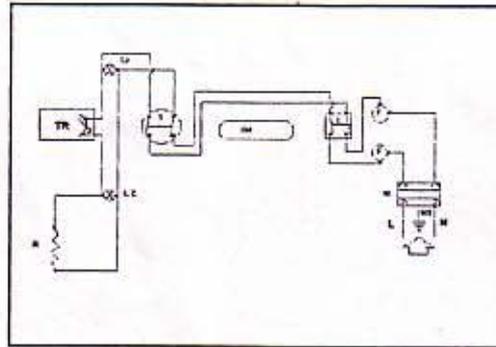
In case of repairs, please send the sterilizer to the manufacturer in its original packing container.

Control temperature on a periodic/yearly basis using the calibrated thermometer supplied by the manufacturer.

8. Wire diagram

LEGEND

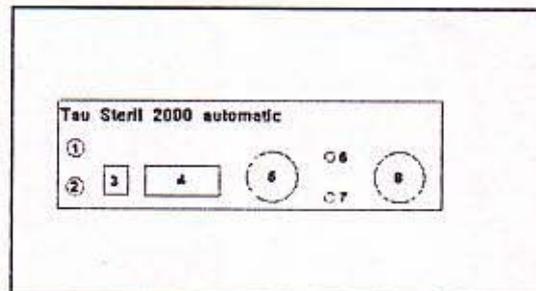
TR= Thermostat
 L1= Operation pilot lamp
 L2= Thermostat pilot lamp
 T= Timer
 R= Resistor 230 V. 620 Watt
 TM= Thermometer
 I= Switch
 F= Fuses (2) 6,3x 32 quick 3.15A
 M= Earth terminal
 MT= Earthing



9. Control panel

LEGEND

1-2= Fuses (quick 6,3x32 3.15A)
 3= Main switch
 4= Thermometer
 5= Timer
 6= Operation pilot lamp
 7= Thermostat pilot lamp
 8= Thermostat



10. Safety rules and precautions

When operating the sterilizer always wear protective gloves to avoid possible burns (a precautionary nameplate **"WARNING: DANGER OF BURNS"** can be found on the outer frame of the sterilizer).

PAY ATTENTION NOT TO EXTRACT THE TRAYS TOO MUCH WHEN TAKING THE INSTRUMENTS OUT OF THE STERILIZER: DANGER OF BURNS – WEAR PROTECTIVE GLOVES.

The sterilizer must be used only by an expressly authorized personnel, informed about the "Sterilization techniques", the materials that can be sterilized and the recommended times and temperatures to follow

This equipment must be used uniquely for the purpose for which it was originally designed and manufactured, i.e. sterilization of surgical instruments to be used in the medical and paramedical field.

All precautions must be **absolutely** taken to avoid an **improper** use of the machine by **unauthorized** people. Modification, removal or disconnection of existing thermal and electric protections is strongly forbidden. The operator must not perform any repairs on the machine. Always disconnect the sterilizer during cleaning and maintenance of same. Moreover it must always be completely cold.

When sterilizing surgical instruments (such as scalpels or pointed instruments) safety shoes should be preferably worn.

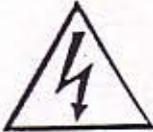
Check periodically that the feeding cable is not damaged.

10.1 Legend of symbols

WARNING: READ OPERATING INSTRUCTIONS



WARNING: DANGER OF BURNS



WARNING: DANGER OF ELECTRIC SHOCKS



WARNING: WEAR PROTECTIVE GLOVES