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Operating Instructions
Tau Quartz 150



CE 0426
DIRETTICTIVE 93/42 EEC E S.M.I.
MEDICAL DEVICE

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1. Warnings

Tau Quartz 150 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 Normative References

The Dry-sterilizer Tau Quartz 150 is conforming to the essential requirements of the Directives of the Council: Medical Devices 93/42/CEE e s.m.i., class II b
it is conforming besides to the national norms that are translated in the harmonized norms:

EN 61010-1
EN 61010-2-040
EN 61326 – 1
EN 60601-1-6
EN 62366
UNI CEI EN ISO 14971

The Dry-sterilizer Tau Quartz 150 complies with RoHS 2011/65 / EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

2.2. 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 230°C. Do not load toxic materials into the sterilizer. TAU STERIL shall not assume any responsibility in this respect.

2.3. 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.
The product warranty is equal to twelve months starting from the date of purchase.

3. Installation

To verify that the transport has happened under conditions of acceptable damp not to jeopardize the safety of the dry-sterilizer To preserve and to install the instrument in deprived environments of damp (Tau Steril assumes no responsibility for the safety of the equipment is kept, on occasions, improperly).
To check that the tension of suitable feeding on the back label corresponds to that in hand in the place of installation (maximum variation of the tension of net: ± 10%).
To insert the thorn in the attack of the electric net. To press the general interrupter bringing him/it in position “The” and to verify the lighting of the same.
In case of missed observance of these dispositions TAU STERIL declines every liability.
To verify some correct mass to earth of the general plant. To position the sterilizer on a plain surface, to facilitate the ventilation of the same one. Don't approach the sterilizer to less than 10 cm. from walls or other equipments to allow a fit ventilation, and to avoid the contact with surfaces to risk of fire e/o issue of smoke.
Don't approach objects or other in proximity of the ray of opening of the door of the instrument with the purpose to allow the correct opening of the same one.

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4. Characteristics

4.1 Technical data

Weight: 2 kg
Outer dimensions: Width cm. 13 – Height cm. 14 – Depth cm. 19
Inner dimensions: Diameter cm. 3,6 – Height cm. 5
Absorption: 60 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 instruments must withstand a temperature of 230°C. The sterilizer is equipped with an automatic thermostat 0°-230°C. For what is concerning sterilization times, carefully follow the indications on the nameplate.

5 Operating modes

ATTENTION: The Surety of the Sterilization is completely submitted to the operator, as a very simple device being, it doesn't foresee alarms of any kind. The operator always has to be present during the operation of the equipment verifying possible lacks of net that could jeopardize the phase of sterilization

- Carefully clean and wipe the instruments to sterilize
- Turn on the switch
- The sterilizer will automatically reach 230°C (this will take about 30 minutes if the machine is cold)
- During these operations the two- colors 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).
- For a correct use of the unit, do not overload the glass with material to sterilize.

IMPORTANT:For what is concerning sterilization times, carefully follow the indications on the nameplate.

6 Transport and storage conditions

The dry 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.

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7 Maintenance and cleaning

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

Operations of cleaning of the room of sterilization (to be repeated himself/herself/themselves with daily frequency):
-- To sterilizer with disconnected cable to use a rag with denatured alcohol (90%) and to clean the room of the dry – sterilizer.

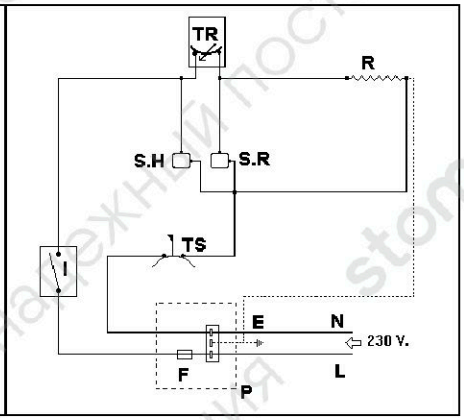
ATTENTION: Do not modify the machine without the manufacturer's permission.
In case of malfunction contact the manufacturer.
If repairs are recommended to make the sterilizer to the manufacturer, using the original packaging.

Do not use sprays or jets of water. Do not let water drip inside: short circuit danger.
Monthly check that the electrical power cord is in good condition.

Periodically check (in case there are problems) the correct functioning of the safety device (thermostat).
If the safety thermostat trips, unplug the power plug and reset the red button on the thermostat

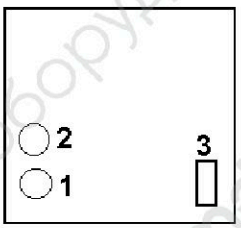
8 Wire diagram

TR= Thermostat
R= Resistor 230 V. 150 Watt
S.R.= Pilot lamp – ready (Operation)
S.H.= Heater pilot lamp (Thermostat)
I= Switch
E= Earthing
TS= Safety thermostat
P= Plug with incorporated quick fuse (F) 5x20 1 A



9 Control panel

1= Operation pilot lamp
2= Thermostat pilot lamp
3= Switch



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 WHILE EXTRACTING THE INSTRUMENTS FROM THE STERILIZER: DANGER OF BURNS — WEAR PROTECTIVE GLOVES.

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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: 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.

ATTENTION: No modification of this equipment is allowed.
In case of malfunction, contact the manufacturer.
For repairs to make the sterilizer manufacturer in its original packaging.

10.1 Decommissioning and scrapping of the appliance

The dry-sterilizer Tau Quartz 150 are built with material ferrous, component electronic and plastic subjects. In the case the instrument is not more repairable and running, to separate the different components according to the material of which they are constituted, so that to simplify a eventual reuse or the diversified disposal. When the instrument is demolished there are no particular instructions to perform.
Don't remise the instrument in places not guarded.
Entrust an enterprise disposal. Always refer to scrap the laws of the country of use.

10.2 Legend of symbols

WARNING: READ OPERATING INSTRUCTIONS	
WARNING: DANGER OF BURNS	
WARNING: DANGER OF ELECTRIC SHOCKS	
WARNING: WEAR PROTECTIVE GLOVES	
NOT TREATED AS MUNICIPAL WASTE. FOLLOW RULES FOR MUNICIPAL DISPOSAL.	

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