

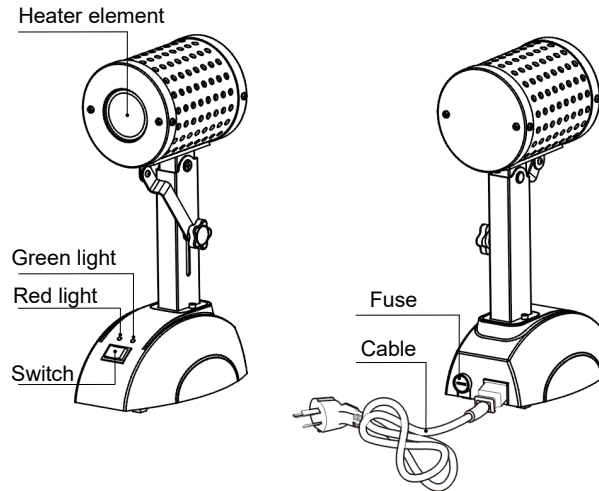
Before starting up this unit for the first time, please read the operations manual.

## 1 Structure Description



**B1001**

**B1001-XL**



## 2 Technical data

Model	B1001	B1001-XL
Power Supply	120V 60Hz Or 230V 50Hz	120V 60Hz Or 230V 50Hz
Power	170W	320W
Highest temperature At core	815°C ± 50°C	815°C ± 50°C
Chamber Diameter	φ 14mm	φ 35mm
Length of heating area	157mm	100mm
Heating time	20min	20min
Fuse for AC220V	250V 3A 5X20	250V 3A 5X20
Fuse for AC110V	250V 4A 5X20	250V 5A 5X20
Ambient temperature	5°C ~ 40°C	5°C ~ 40°C

## 3 Operating Instructions

3.1 Remove any packaging that protects the BactiZapper Sterilizer from being damaged during shipment.

3.2 Plug the electrical cord into the appropriate outlet. The unit must be properly grounded.

3.3 The red indicator light will on when the switch is in the "High" position. Twenty minutes after the Bacti-Cinerator Sterilizer is plugged in, the optimum sterilizing temperature (815°C) will be reached. If the unit is not going to be used for extended periods of time, please set the switch in "Off" position to ensure the life of the heater element.

**Note: If the unit is kept at the sterilizing temperature (815°C) for more than three hours, set the switch to "Low" for half an hour, then set the switch in "High" position again. This will protect the life of the heater element as well. The green indicator light will on when the switch is in the "Low" position.**

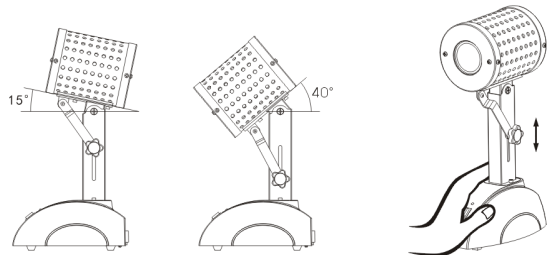
3.4 Gently insert the loop or needle into the heating element after the temperature reaches sterilizing temperature (815°C), The loop or needle should remain within the heater for 5 to 7 seconds. The glass material microbial culture tubes which diameter less than the heater hole can also be placed in the equipment for sterilization. Pay special attention to any liquid in tube and other part will cause accidents such as liquid spills or explosion.

## Introduction

The BactiZapper Sterilizer is a gasless, flameless sterilizer for use with platinum inoculating loops, needles, glass tube/pipette mouths and various metal & borosilicate glass instruments. Sterilization is accomplished through infrared heat without the dangerous spattering of microorganisms.

Dimensions (W×D×H)	100X158X259mm	100X153X281mm
Net Weight	1.3kg	1.4kg

3.6 The heater angle is adjustable. The adjusting range is +15°~ -40°. Before adjusting, hold the plastic shell with your left hand, then turn the knob to move heater up and down with your right hand.



Note: To ensure safety and prevent burns, Adjust the angle before using.

## 4 Maintenance

4.1 Only inoculating loops or needles with heat-insulated handles can be inserted into the heater.

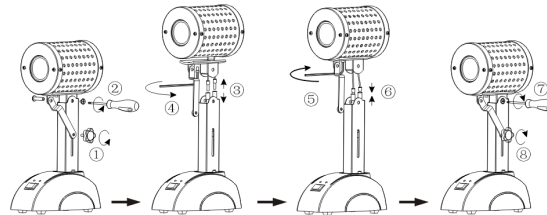
4.2 The sterilizer is not intended for use with scalpels, forceps or any sharp objects. The use of such objects can cause element malfunction and void the heater element warranty.

4.3 Visual inspection of the heater element should be performed periodically to determine if the heater element core is still in good condition. Inspect for small cracks and residue buildup in both the cool and heated conditions. In the heated condition, cracks can be seen as small, intensely yellow-orange fissures. If any defects are noted, the heater element should be replaced before element malfunction occurs.

4.4 If the unit remains on the high temperature setting (815°C) over three hours, please set the switch in "Low" position for half an hour to reduce the temperature of the heater and extend its life.

4.5 Always check the input voltage, If the input voltage is 10% higher than the rated voltage, please disconnect the power and stop using the instrument.

4.6 If the heater is damaged, please replace it according to the following steps.



## 5 Holder

### Optional Holders:

B1000-01 Loop holder attachment  
B1000-03 Slide dryer attachment

## 6 Safety instructions



Disassembly or repair of the instrument without permission is not recommended and will void the warranty.

During operation, the temperature on the BactiZapper is very high. To avoid burns or injury, do not touch the heated part during or shortly after operation.

## Warranty

The Sterilizer unit (except heater element) is warranted for one year against defects in material and workmanship. The warranted life of the heater element is six months.

This warranty becomes effective when the end user receives the product and will be based on proof of purchase or date of invoice.

### Service and Contact:

In the event that service or technical support is required, please contact **Benchmark** by phone at **1-908-769-5555** or by email at [info@benchmarkscientific.com](mailto:info@benchmarkscientific.com).

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