Glass Bead Sterilizer - Digital Dry Instrument Sterilizer - 100-300°C - 150g Bead Capacity

Model **MSBGS-300LSWISS** | Brand **Master Science**





The Master Science Glass Bead Sterilizer is a small benchtop unit for quick sterilization of forceps, scissors, needles and other fine surgical or dissecting instruments. Its chamber is filled with glass beads that are heated to as much as 300°C, and the tips of the instruments are pushed into the hot beads for about 10 to 15 seconds.

KEY HIGHLIGHTS

- Seconds per instrument
- No chemicals or flames
- Hood-friendly
- Saves bench space

AT A GLANCE

100 to 300°C TEMPERATURE RANGE	**1 min to 99 h 59 min, or continuous** TIMER RANGE
40 × 80 mm CHAMBER SIZE (Ø × DEPTH)	**±5°C** TEMPERATURE ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

Because it works with dry heat only, there are no gases, fumes, open flames or liquid disinfectants, so the Master Science Glass Bead Sterilizer can be used safely inside a laminar flow hood. A digital controller with LCD shows the real-time temperature and countdown, and over-temperature protection is built in.

Between-sample sterilization of small tools is often slow or unsafe. The Master Science Glass Bead Sterilizer helps with:

Key Benefits

Seconds per instrument
Small instruments are sterilized in roughly 10 to 15 seconds once the beads are hot.

No chemicals or flames
Dry heat avoids gases, fumes and liquid disinfectants.

Hood-friendly
Safe for use in laminar flow hoods where open flames are not wanted.

Saves bench space
A compact footprint of 176 × 135 mm fits beside the work area.

For sterilizing inoculating loops, see our bacti-cinerator sterilizer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSBGS-300LSWISS
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Temperature Range	**100 to 300°C**
Temperature Accuracy	**±5°C**
Timer Range	**1 min to 99 h 59 min, or continuous**
Heating Time	25 min (room temperature to 300°C)
Glass Bead Capacity	**150 g**
Lid Material	Stainless steel
General	Max. Power: 120 W
Display Resolution	1°C
Voltage	AC 110 V or 220 V, 50/60 Hz

DIMENSIONS & WEIGHT	
Chamber Size (Ø × Depth)	40 × 80 mm
Dimensions	176 × 135 × 189.5 mm

PROBLEMS THE MASTER SCIENCE GLASS BEAD STERILIZER SOLVES	
Slow turnaround between samples	Hot beads sterilize instrument tips in seconds.
Open flames in the hood	Dry bead heating needs no flame or alcohol.
Chemical residues	No liquid disinfectants touch the instruments.
Uncertain temperature	The digital display shows the actual bead temperature at all times.

Applications

The Master Science Glass Bead Sterilizer is used for

Sterilizing forceps, scissors and needles between samples Dissection and tissue culture work Plant and animal cell culture labs Dental and veterinary small instruments Microbiology work in laminar flow hoods

Control and Display

- Digital temperature control up to 300°C
- LCD with real-time temperature display
- Countdown timer display
- Over-temperature protection

Construction

- Stainless steel inner container
- Stainless steel lid
- Compact benchtop housing

Standard Accessories Included

- Glass bead sterilizer main unit
- 1 bag of glass beads
- 3 fuses