

BioClave™ Series Research Autoclaves

BioCLAVE™



B4000-16



B4000-M

- + Fully automatic; just press start
- + Rapid, complete sterilization
- + Extremely compact
- + Built in water tank, does not require connection to an external water supply

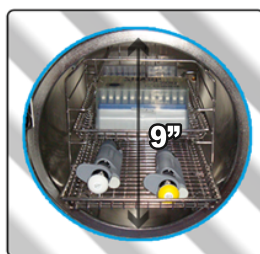
Despite the space-saving exterior dimensions of the BioClaves, the stainless steel sterilization chambers are surprisingly large, accommodating a variety of liquids, media, instruments, glassware, plasticware and other common research laboratory items. Both of these benchtop models include a mechanical and electrical safety interlock that prevents the door from being opened until the pressure has been released.

With large digital displays and fully automatic operation, all segments of the sterilization cycle (fill, sterilize, exhaust and dry) commence and run to completion by simply pressing the start button. An optional thermal mini-printer is also available for providing a record of sterilization parameters. In addition, a built in USB port allows for transfer of these parameters to a computer for printing or storage of cycle data.

Both BioClaves offer three cycle options (standard programs), which are preset for the sterilization of liquids, wrapped instruments or unwrapped instruments/plasticware. BioClaves are not designed for non-research applications such as medical diagnostics or foods. A fourth option "Dry Only" is also available for additional drying time to be added to the end of a cycle. For special applications, requiring variations in cycle parameters, all settings on the BioClaves are fully adjustable.



BioClave Mini



BioClave 16

Technical Data:

B4000-M (BioClave Mini)

Chamber Volume:	8L
Max. Pressure:	29 PSI / 2 Bar
Chamber Dimensions:	6.7 x 12.5 in. / 17 x 31 cm
Tray Dimensions:	4.75 x 9.75 in. / 12 x 24.8 cm
Exterior Dimensions: (W x D x H)	20 x 13.5 x 12.9 in. 51 x 34 x 33 cm
Weight:	74 lbs (33 kg)
Electrical:	115 or 230V, 50-60Hz, 950W
Warranty:	1 Year

B4000-16 (BioClave)

Chamber Volume:	16L
Max. Pressure:	29 PSI / 2 Bar
Chamber Dimensions:	9 x 13.75 in. / 23 x 35 cm
Tray Dimensions:	6.5 x 10.75 in. / 16.5 x 27 cm
Exterior Dimensions: (W x D x H)	22 x 17.5 x 15.7 in. 56 x 44.5 x 40 cm
Weight:	89 lbs (40 kg)
Electrical:	115 or 230V, 50-60Hz, 1600W
Warranty:	1 Year

Ordering Information:

Item No.	Description:
B4000-M*	BioClave Mini Autoclave (8L)
B4000-16*	BioClave Autoclave (16L)
B4000-P*	Printer for BioClave series
B4000-PA	Extra roll of paper for B4000-P

*115V with US plug. For 230V (EU plug), please add (-E).
This product is intended for research use only.

MICRO BEAD STERILIZER



Item: B1201

Item: B1202

Benchmark's Micro Bead Sterilizer is ideal for the sterilization of small research tools (forceps, scissors, etc.). When the chamber is filled with the included glass beads, high temperatures (up to 300°C) can be used to eliminate the presence of bacteria, spores and other microorganisms.

Chamber temperature can be viewed on the large LED control panel and conveniently adjusted with the control knob. The outer casing of the unit stays cool to the touch, even when the sterilizer is used all day. The supplied safety cover can be placed over the opening to conserve energy and reduce the heating/ramping rate. The Micro Bead Sterilizer does not use gas, flame or chemicals, and is safe for use in hoods.

This product is designed for **RESEARCH USE ONLY**. Not intended for clinical use.

- + Digital control, up to 300°C
- + Sterilizes forceps, needles & other tools (generally within 15 seconds)
- + Eliminates the danger associated with open flames
- + "Tall" model available for the sterilization of larger tools

Technical Data:

Temp. Range:	Adjustable, 100° to 300°C
Preheat Time:	Approximately 25min. (to 300°C)
Chamber Diameter:	40mm
Chamber Height:	B1201: 80mm / B1202: 140mm
Exterior Dimensions:	
B1201 (WxDxH):	5.5 x 5.7 x 6.1 in. / 14 x 14.5 x 15.5 cm
B1202 (WxDxH):	5.5 x 5.7 x 8.5 in. / 14 x 14.5 x 21.5 cm
Chamber Bead Capacity:	B1201: 150g / B1202: 300g
Weight:	B1201: 2kg / B1202: 2.5kg
Electrical:	115VAC or 230VAC, 50-60Hz
Power:	B1201: 120W / B1202: 250W
Operating environment:	4°C to 45°C
Warranty:	2 years

Ordering Information:

B1201* Micro Bead Sterilizer (with beads, 150g)
B1202* Micro Bead Sterilizer, TALL (with beads, 300g)

Accessories:

B1201-BEAD Extra glass beads, 1000g

* 115V with US plug. For 230V, please add (-E) to the item number.

Benchmark
Scientific



Benchmark Scientific Inc.
PO Box 709 Edison, NJ 08818
Phone: 908-769-5555
Fax: 732-313-7007
Web: www.BenchmarkScientific.com
Email: Info@BenchmarkScientific.com



Micro-Sterilizer



The BactiZapper™ has an asbestos-free core element that uses infrared heating to produce 815°C (1500°F). It completely sterilizes microorganisms in 5-7 seconds. The BactiZapper uses well-proven technology to provide instant sterilization of platinum inoculating loops, needles, glass tube/pipette mouths and various metal & borosilicate glass instruments used in quality control and research. The ceramic heating element is safely enclosed in a perforated stainless steel guard chamber, protecting users from accidental contact with the extreme temperatures of the core area. It is extremely compact, convenient and can be used in anaerobic and aerobic chambers.

- + Complete sterilization in 5 to 7 seconds
- + Safe, convenient and no spatter
- + Ideal for platinum loops, needles and tube mouths

Technical Data:

Max Temperature:	815°C / 1500°F
Sterilization Time:	5 - 7 seconds
Chamber Diameter:	0.55 in. / 14mm
Chamber Length:	3.94 in. / 100mm
External Dimensions:	4 (W) x 6 (D) x 6.5 (H) in. 10.2 (W) x 15.2 (D) x 16.5 (H) cm
Electrical Data:	120V, 60 Hz / 230V, 50/60 Hz*
Weight:	2.9 lbs. / 1.3 kg

Ordering Information:

B1000*	BactiZapper Micro-Sterilizer
B1000-01	Loop holder attachment
B1000-03	Slide dryer attachment for 3 slides

* To order an item in 230 V, add (-E) to item number.



Benchmark Scientific Inc.
 PO Box 709
 Edison, NJ 08817
 Phone: 908-769-5555
 Fax: 908-222-1864
 Web: www.BenchmarkScientific.com
 Email: Info@BenchmarkScientific.com