

Autoclaves and Sterilization



Pg. 40



MicroBead Sterilizers

Pg. 40-41



BactiZapper™ MicroSterilizer

Pg. 42



BioClave™ 8 Benchtop Autoclave

Pg. 42



BioClave™ 16 Benchtop Autoclave

Pg. 43



BioClave™ 28 Benchtop Autoclave

MicroBead Bead Sterilizer



- + Digital control up to 300°C
- + Quickly sterilizes forceps, needles & other laboratory tools
- + Eliminates the danger associated with open flames

Ordering Information:

Item No.	Description:
B1201*	MicroBead Sterilizer with beads (150g)
B1202	MicroBead Sterilizer TALL with Beads (300g)
B1201-BEAD	Extra glass beads, 1000g

*115V with US plug. For 230V (EU plug), please add (-E).

Technical Data:

Temperature Range	100°C to 300°C
Preheat Time:	Approx. 25 min. (to 300°C)
Chamber Diameter:	40mm
Chamber Height:	80mm (B1201) / 140mm (B1202)
Bead Capacity:	150g (B1201) / 300g (B1202)
External Dimensions: (W x D x H)	5.5 x 5.7 x 6.1 in. / 14.5 x 15.5 x 15.5 cm 5.5 x 5.7 x 8.5 in. / 14.5 x 15.5 x 21.5 cm
Weight:	4.4 lbs (2 kg) / 5.5lbs (2.5kg)
Electrical:	115 or 230V, 50-60Hz 120 W (B1201) / 250W (B1202)
Warranty:	1 Year*

*Excludes heating element

BactiZapper™ MicroSterilizer / Cinerator



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

The BactiZapper™ uses well-proven technology to provide nearly instantaneous sterilization of platinum inoculating loops, needles, glass tube/pipette mouths and various metal and borosilicate glass instruments. The asbestos-free core element quickly heats to 815°C (1500°F) to provide complete sterilization of items in 5-7 seconds. A lower temperature setting (500°C) serves as a "standby" setting and extends usable life of the heating element.

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. It is compact and can be used in anaerobic and aerobic chambers.

Technical Data:

High Temperature Setting:	815°C / 1500°F
Low Temperature Setting:	500°C / 950°F
Sterilization Time:	5 - 7 seconds
Chamber Diameter:	0.55 in. / 14mm
Chamber Length:	6 in. / 153mm
External Dimensions: (W x D x H)	4 x 6 x 6.5 in. 10.2 x 15.2 x 16.5 cm
Weight:	2.9 lbs. (1.3 kg)
Electrical Data:	115 or 230V, 50-60Hz 170 Watts
Warranty:	1 Year*

*Excludes heating element

Ordering Information:

Item No.	Description:
B1000*	BactiZapper MicroSterilizer
B1000-01	Loop holder attachment
B1000-03	Slide dryer attachment, 3 slides
B1000-RA	Replacement heating element, 115V
B1000-RAE	Replacement heating element, 230V

*115V with US plug. For 230V (EU plug), please add (-E).

Bacti-Zapper Tilt



BactiZapper Tilt

- ✚ Adjustable tilt angle, for more ergonomic inoculation (reduces hand fatigue)
- ✚ Same convenient operation as popular “Classic” model
- ✚ Available as “XL”, with wide chamber for sterilizing large vessels (tubes, flask mouths, etc.)



BactiZapper Tilt XL

The BactiZapper™ TILT Series utilizes the same well-proven technology of our original Bacti-Zapper Classic, but with a unique, adjustable head angle that allows for more convenient sterilization. When loosened, the adjustment knob can be shifted upward or downward, resulting in a tilt angle range of 55°C.

The “XL” model offers an increased chamber diameter of 35mm, making this product more suitable for the sterilization of larger objects, such as tube mouths or flask necks. Both models feature a lower temperature “standby” setting to extend the usable life of the heating element.

Technical Data:

Model:	Bacti-Zapper TILT	Bacti-Zapper TILT XL
Max Temperature:	815°C / 1500°F	815°C / 1500°F
Sterilization Time:	5-7 seconds	5-7 seconds
Chamber Diameter:	0.55 in./14mm	1.38 in./35mm
Chamber Length:	6.2 in./157mm	3.95 in./100mm
External Dimensions: (W x D x H)	4 x 6 x 10 in. 10.2 x 15.2 x 26 cm	4 x 6 x 11 in. 10.2 x 15.2 x 28 cm
Electrical Data:	120V or 230V, 50-60 Hz	120V or 230V, 50-60 Hz
Weight:	3.4 lbs./1.5 kg	3.5 lbs./1.6 kg
Warranty:	1 Year*	1 Year*

*Excludes heating element

Ordering Information:

Item No.	Description:
B1001*	BactiZapper TILT Micro-Sterilizer with adjustable tilt angle
B1001-XL*	BactiZapper TILT XL Micro-Sterilizer, 35mm chamber & adjust tilt angle
B1000-01	Loop holder attachment (B1001 only)
B1000-03	Slide dryer attachment, 3 slides (B1001 only)

*115V with US plug. For 230V (EU plug), please add (-E).



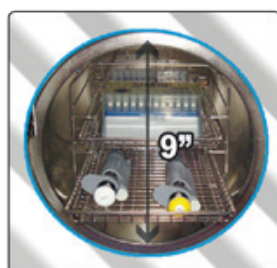
B4000-16



B4000-M



BioClave Mini



BioClave 16

Bottle/Flask Capacity	B4000-M	B4000-16
100ml Media Bottle	8	15
250ml Media Bottle	4	8
500ml Media Bottle	N/A	3
125ml Erlenmeyer Flask	4	8
250ml Erlenmeyer Flask	2	6
500ml Erlenmeyer Flask	N/A	3

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

- + 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 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. 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.

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 16)	
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

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

BioClave™ 28 Research Autoclave

BioCLAVE™ 28



- Accepts bottles/flasks up to 2L
- Fully automatic, just press start
- Adjustable sterilization times
- USB port for digital documentation of records
- Built in water tank, does not require connection to an external water supply

With similar operation to the BioClave Mini and BioClave 16, the new 28 liter model features an increased chamber size with a diameter of 32cm. With this larger internal chamber, the BioClave 28 is our only model capable of sterilizing 1 and 2 liter flasks and bottles.

Despite the increased chamber size, the unit is still relatively compact, suitable for benchtop use. Operation is fully automatic, meaning all segments of operation (fill, sterilize, exhaust and dry) commence and run to completion by simply pressing "Start". 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.

All BioClaves offer three cycle options (standard programs), which are preset for the sterilization of liquids, wrapped instruments or unwrapped instruments/plasticware. A "Dry Only" option is also available for additional drying time to be added to the end of a cycle. For special applications, requiring variations in cycle parameters, the cycle times are fully adjustable.



Bottle/Flask Capacity	B4000-28
100ml Media Bottle	42
250ml Media Bottle	11
500ml Media Bottle	8
1L Media Bottle	6
2L Media Bottle	2
125ml Erlenmeyer Flask	30
250ml Erlenmeyer Flask	8
500ml Erlenmeyer Flask	6
1L Erlenmeyer Flask	3
2L Erlenmeyer Flask	2

Ordering Information:

Item No.	Description:
B4000-28*	BioClave Autoclave (28L)
B4000-P*	Printer for BioClave series
B4000-PA	Extra roll of paper for B4000-P

This product is intended for research use only.

Technical Data:

B4000-28 (BioClave)	
Chamber Volume:	28L
Max. Pressure:	30.5 PSI / 2 Bar
Chamber Dimensions:	12.6 x 16.4 in. 32 x 41.7 cm
Exterior Dimensions: (W x D x H)	25 x 25 x 22 in. 63.5 x 63.5 x 55.9
Weight:	209 lbs (95kg)
Electrical:	230V ONLY (accepts 208 to 240V) 50-60Hz, 2300W
Warranty:	1 Year