

Benchmark 
Scientific

BioCLAVE™ Research Autoclaves



BioCLAVE™ 18

BioCLAVE™
Mini

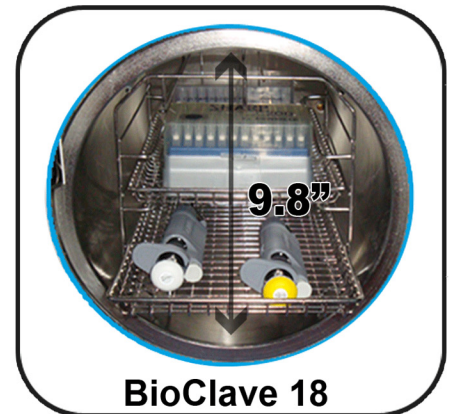
- **Fully automatic; just press “start”**
- **Rapid, complete sterilization**
- **Internal memory for retrieving cycle data**
- **Extremely compact**

Steam sterilization of research tools and consumables is convenient and affordable with the new **BIOCLAVE™** digital research autoclaves. With a width of under 18 in. (under 14 in. for the BioClave Mini), both models will fit comfortably on even the most crowded benchtop.

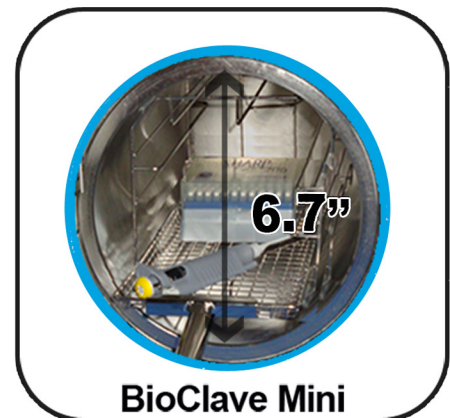
Despite the space-saving exterior dimensions, the stainless steel sterilization chambers are surprisingly large, accommodating a variety of liquids, media, instruments, glassware, plasticware and other common laboratory items. Both models include a mechanical and electrical safety interlock that prevents the door from being opened until the pressure has reached zero PSI. Three trays (2 with the BioClave Mini) are supplied with each unit, along with a convenient tray removal tool.

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.

The BioClaves offer 4 cycle options (standard programs), which are preset for the sterilization of liquids, wrapped instruments, unwrapped instruments/plasticware or extensive. A 5th 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 18



BioClave Mini



Large LCD Controls

Technical Data:

| | BIOCLAVE 18 (B4000-18) | BIOCLAVE Mini (B4000-M) |
|----------------------|-------------------------------|--------------------------------|
| Model: | 18L | 8L |
| Chamber Volume: | 18L | 8L |
| Chamber Dimensions: | 9.8 x 13.77in. / 24.8 x 35cm | 6.7 x 12.5 in. / 17 x 31 cm |
| Tray Dimensions: | | |
| Top & Bottom | 7.5 x 11.2in. / 19 x 28.4cm | 5.11 x 10.43in. / 13 x 26.5cm |
| Middle | 7.5 x 11.2in. / 19 x 28.4cm | |
| Exterior Dimensions: | 22 x 17.5 x 15.7 in. | 20 x 13.5 x 12.9 in. |
| (WxDxH) | 56 x 44.5 x 40 cm | 51 x 34 x 33 cm |
| Weight: | 89 lbs / 40 kg | 74 lbs / 33 kg |
| Electrical: | 120/230V, 50-60Hz / 1600W | 120/230V, 50-60Hz / 950W |

Ordering Information:

| | |
|-----------|--|
| B4000-16* | BioClave 18 digital bench top autoclave, 18L, 120V |
| B4000-M | BioClave Mini digital bench top autoclave (fixed time control), 8L, 120V |
| B4000-P | Printer |
| B4000-PA | Extra roll of paper for B4000-P, pk. of 3 |

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

BioCLAVE™ 28

Research Autoclave, 28L

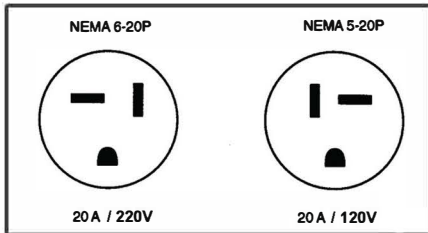


- + Accepts bottles/flasks up to 2L
- + Fully automatic, just press start
- + Adjustable sterilization times
- + USB port for digital documentation of records
- + Built in water tank, does not require connection to an external water supply

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.



Included Plug, additional plugs available



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

Technical Data

Capacity: 28L
 Max Pressure: 34.8 PSI / 2.4 Bar
 Exterior Dimensions: 25 x 25 x 22 in.
 (WxDxH) 63.5 x 63.5 x 55.9 cm
 Chamber Dimensions: 12.6 x 16.4 in. / 32 x 41.7cm (Dia. x Depth)
 Weight: 209 lbs / 95 kg
 Electrical: 115 or 230V 50-60Hz,
 (230V ONLY accepts 208 to 240V), 2300W
 Warranty: 1 Year

Ordering Information

B4000-28-120 BioClave 28L Autoclave, 120V
 B4000-28-220 BioClave 28L Autoclave, 220V
 B4000-P Printer
 B4000-PA Extra roll of paper for B4000-P, pk. of 3