

myBATH™ SERIES



- + Removable, hinged lid*
- + Quik-CAL™ user calibration function
- + Seamless, stainless steel chamber
- + Digital accuracy and convenience

The myBath series is designed to guarantee superior accuracy and performance in a compact footprint. With four sizes to choose from, there is a myBath to fit every lab.

The 4, 8 and 12L models include easy to use controls allow the user to digitally select and monitor settings. Adjustable in 0.1°C increments, the temperature is shown on a large, 3-digit display. The proprietary Quik-CAL™ feature allows for simple, in-lab calibration.* High efficiency insulation maintains temperature stability and uniformity within the bath, while keeping the housing cool to the touch.

All myBath models feature seamless, stainless steel chambers for easy cleaning and long life. The chambers resist rust and have no corners to collect dirt or contamination. The larger 8L and 12L units have drains for hassle-free water changes.

The 4L, 8L, and 12L models include a see-through cover that can be removed, or flipped back on a rear hinge to conserve bench space. The lid's gabled design will divert condensation to the front and back of the bath, away from samples.

Racks are available to accommodate 1.5/2.0ml, 15ml and 50 ml tubes within the 4L, 8L and 12L baths. The myBath 4L is supplied with all three racks.

*2L models use traditional calibration and include a flat, removable lid.

Technical Data and Ordering Information:

	2 Liter	4 Liter	8 Liter	12 Liter
Catalog Number	B2000-2*	B2000-4*	B2000-8*	B2000-12*
Temperature Range	Ambient + 5 to 100°C			
Temp. Accuracy	± 0.2°C at 37°C		± 0.5°C at 37°C	
Temp. Increments	1.0°C	0.1°C		
Temp. Uniformity	± 0.2°C at 37°C			
Exterior (WxDxH)	6.5 x 8 x 6 in.	7.7 x 13.9 x 9 in.	17.5 x 10.5 x 12.4 in.	18 x 10.5 x 16.2 in.
Chamber (WxDxH)	5.5 x 6 x 4 in.	5.3 x 9.4 x 5.5 in.	12.8 x 10.4 x 5.9 in.	12.8 x 10.4 x 7.9 in.
Weight	4.5 lbs / 2.0 kg	15 lbs / 6.5 kg	17 lbs / 8 kg	17 lbs / 8 kg
Electrical	115 or 230V, 50-60Hz			

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

Accessory Tube Racks:

Cat. Number	Description	4L Rack Capacity	8/12L Rack Capacity
B2000-4-T5	Test tube rack for 40 x 0.5ml tubes	1	2
B2000-4-T1520	Test tube rack for 40 x 1.5/2.0ml tubes	1 (Included)	2
B2000-4-T150	Test tube rack for 41 x 15ml tubes	1 (Included)	0
B2000-4-T500	Test tube rack for 15 x 50ml tubes	1 (Included)	0
B2000-8-T150	Test tube rack for 76 x 15ml tubes	0	1
B2000-8-T500	Test tube rack for 30 x 50ml tubes	0	1

Tube racks included with myBath 4L!



myBLOCK™

Personal sized drybaths



- + Compact, fits on any crowded benchtop
- + Available in heat only or heat & cool versions
- + Exchangeable blocks, for tubes 0.2 to 50ml
- + Simple touchpad, digital control
- + Link 2 consecutive temperatures (cooling model only)

Technical Data

	BSH200	BSH300
Temp. Range:	RT +5° to 100°C	RT -25° to 100°C
Min. Programmable Temp	20°C	0°C
Temp. Accuracy:	+/- 0.5°C	+/- 0.5°C
Temp. Increments:	0.1°C	0.1°C
Temp. Uniformity:	+/- 0.2°C	+/- 0.2°C
Dimensions:	4 x 6 x 4.5 in.	4.3 x 6.4 x 5.5 in.
(w x d x h)	10.5 x 15 x 11.5 cm	11 x 16.2 x 14 cm
Weight:	2 lbs / 1 kg	2 lbs / 1 kg
Electrical:	100 - 240V, 50-60Hz*	100 - 240V, 50-60Hz*

* 12V vehicle power adapter also available

With its compact construction, broad temperature range, and multiple block options, the *myBlock Mini* is the perfect tool for laboratory incubations. The simple touch pad controls and a digital display provide for "set and walk away" temperature selection and unrivaled accuracy.

While perfect for bench use, the optional 12V adapter expands the utility of the *myBlock Mini* to field use. At less than 4.3 inches wide, *myBlock Mini* is truly the first personal block incubator.



Also Available...



myBLOCK™ HL
With Heated Lid

- Prevents evaporation and condensation
- Ideal for concentration sensitive reactions

Item: BSH200-HL*
MyBlock HL with Heated Lid

* For use with 0.2ml, 0.5ml and 1.5ml blocks only.

Ordering Information:

BSH200 MyBlock Mini Dry Bath with block lifter (Blocks sold separately)

BSH300 MyBlock Mini Dry Bath with cooling with block lifter (Blocks sold separately)

BSH100-02	Block, 40 x 0.2ml or 5 x PCR strips
BSH100-05	Block, 24 x 0.5ml
BSH100-15	Block, 15 x 1.5ml
BSH100-1520	Block, 15 x 1.5 or 2.0ml
BSH100-150	Block, 4 x 15ml*
BSH100-500	Block, 2 x 50ml*
BSH100-5MT	Block, 6 x 5ml centrifuge tubes*
BSH100-1232	Block, 15 x 2ml autosampler vials
BSH100-1213	Block, 15 x 12/13mm tubes/vacutainers*
BSH100-CV	Block, 8 x cuvettes*
BSH100-A12	12V vehicle power adapter

*Not compatible with clear cover

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myBLOCK™ HL

With Heated Lid



- + Prevents evaporation & condensation
- + Compact, fits in the palm of your hand
- + Exchangeable blocks, for tubes 0.2 or 0.5ml
- + Independent temperature control of lid & block
- + Room temperature to 37°C in 2 minutes

Technical Data

Temp. Range:	Ambient +5 to 100°C
Temp. Accuracy:	+/- 0.3°C
Temp. Increments:	0.1°C
Temp. Uniformity:	+/- 0.2°C
Dimensions:	4 x 6 x 4.5 in / 10.5 x 15 x 11.5 cm
Weight:	2 lbs / 1 kg
Electrical:	100 - 240V, 50-60Hz*

The new MyBlock™ HL is the first and only mini heat block featuring a heated lid for protecting samples against unwanted condensation and evaporation. Both the block and lid temperature can be selected independently in increments of 0.1°C, making this MyBlock the ideal choice for the most temperature sensitive applications, including immunoassays, LAMP assays, enzyme reactions & other hyper-sensitive temperature procedures.

Two blocks are available, the 0.2ml block (item BSH100-02) accommodates up to forty 0.2ml PCR tubes or up to 5 eight position PCR strips. The 0.5ml block (item BSH100-05) holds a maximum of twenty-four 0.5ml tubes.



Ordering Information

BSH200-HL*

MyBlock HL Mini Digital Dry Bath with heated lid (Blocks sold separately)

Available Blocks:

BSH100-02
BSH100-05

Block, 40 x 0.2ml or 5 x PCR strips
Block, 24 x 0.5ml

* Includes US plug, for EU plug, please add (-E)

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Benchmark

Dry Baths



- + Digital accuracy and convenience
- + Single, double and four block capacity
- + Assorted blocks for a wide variety of tube sizes

Technical Data

Temp. Range:	Amb. +5 to 150 °C*
Temp. Resolution:	0.1°C
Temp. Accuracy:	+/- 0.2°C
Temp. Increments:	0.1°C
Temp. Uniformity:	+/- 0.2°C
Timer:	1 to 999 minutes
Dimensions (WxDxH):	
Single Position	7.8x9x3.2 in./20 x 23 x 8 cm
Two position	8.7 x 10.3 x 3.2 in./22 x 2 x 8 cm
Four Position	8.7 x 14 x 3.2 in./22 x 35.5 x 8 cm
Block Dim. (WxDxH):	3 x 3.75 x 2 in./7.6 x 9.5 x 5 cm
Chamber:	Fast Heating Aluminum
Operating Temp. Range:	+4°C to +65°C
Warranty:	2 Years
Electrical:	115V or 230V, 50-60 Hz

*Temp. range of four position dry bath is Amb. +5 to 130°C

The Benchmark series of digital dry baths offer digital control over both temperature and time, eliminating the need for an external thermometer or timer. Available in three configurations, the digital dry baths offer capacity for up to four blocks. They are extremely space efficient. (The four block model can accommodate up to 96x1.5ml tubes in less than a square foot of bench space.)

The cavities of the high grade aluminum blocks are precision machined to match the conical size and shape of 0.5, 1.5, 2.0, 15 and 50ml tube sizes, providing unsurpassed temperature uniformity. Assorted blocks are available for compatibility with nearly all common tube sizes. Custom blocks are also available upon request, please check Benchmark's web site for a list of all available blocks.

All Benchmark dry baths offer a built-in user recalibration function, to guarantee long term temperature accuracy. Each dry bath includes an easy to use block lifter, with a temperature insulated handle for quick, convenient exchange of blocks, even while they're still hot.

Ordering Information

BSH1001	Benchmark Digital Dry Bath, Single Position
BSH1002	Benchmark Digital Dry Bath, Double Position
BSH1004	Benchmark Digital Dry Bath, Four Position
BSW1500	Block, 24 x 1.5ml
BSW1520	Block, 24 x 1.5/2.0ml
BSW05	Block, 24 x 0.5ml
BSW15	Block, 12 x 15ml (block height is 3.25 in.)
BSW50	Block, 5 x 50ml (block height is 3.25 in.)
BSW10	Block 20 x 10mm (or 20 x 2.0ml)
BSW13	Block, 20 x 13mm (or 20 x 5/7ml)
BSW1516	Block, 12 x 15-16mm (or 12 x 10ml)
BSW02	Block, 48 x 0.2ml tubes or 6 PCR tube strips
BSWPCR2	Block, 1 x 96-well PCR Plate (for 2 & 4 block models)
BSWPCR1	Block, 1 x 96-well PCR Plate (for 1 block model)
BSWMT	Block, 1 x Micro Titer Plate (for 2 and 4 block models)
BSW01	Block, solid - for slides or custom machining

* To order a product in 230V, please add -230 to item number.

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Benchmark 

myBLOCK™ Digital Dry Baths

- + **Digital temperature control**
set and walk away
- + **Hinged lid**
improves temperature uniformity and conserves energy
- + **External temperature probe (optional)**
displays and controls actual sample temperature
- + **Available with Quick-Flip™ universal blocks**
for microtubes (0.2 to 2.0ml), PCR strips & PCR plates

Flip Over



myBLOCK I
Single Block Capacity



myBLOCK II
Dual Block Capacity





Benchmark's myBlock series is a "next generation" product line that introduces several major advantages over traditional dry baths. They are the first digital dry baths to include advanced microprocessor controls, timed or continuous operation and a removable hinged lid. In addition, an optional external temperature feedback probe can be positioned directly inside a sample tube, providing real-time control and monitoring of *actual sample temperature*.

The myBlock's transparent lid helps to promote better uniformity and minimize temperature stratification in the block by maintaining a warm air jacket layer. It also helps to reduce energy consumption by minimizing heat loss to the environment. The hinged lid can be flipped open (to the rear), or easily removed (lifted off) to accommodate taller tubes.

Both the single and dual block models can be ordered in a configuration that includes our unique Quick-Flip™ blocks. These universal blocks accept tubes from 0.5 to 2.0ml and, with just a quick flip to the other side, accommodate 0.2ml tubes, PCR strips or (in the dual block model only) a PCR plate. Other blocks are available for tubes up to 50ml.

available with:

Quick-Flip™ universal micro-block



Universal blocks for:

- ✓ 0.5ml tubes
- ✓ 1.5ml tubes
- ✓ 2.0ml tubes
- ✓ 0.2ml tubes
- ✓ 0.2ml strips
- ✓ PCR Plate

Item: BSH5002-2B

Three possible block configurations:
(Shown in dual block model)

Side 1 & Side 1



48 x 1.5/2.0ml
28 x 0.5ml

Side 1 & Side 2



24 x 1.5/2.0ml
14 x 0.5ml
48 x 0.2ml

Side 2 & Side 2



96 x 0.2ml or
One PCR Plate*

*For use in myBlock II only - requires dual block chamber.

Technical Data:

Temperature Range:	Ambient +5 to 105°C
Temp. Accuracy / Uniformity:	± 0.3°C / ± 0.1°C
Temperature Increments:	0.1°C
Timer:	1 min to 99 hr 59 min.
Dimensions (w x d x h):	
Single:	7 x 10 x 5 in. / 18 x 25 x 13 cm
Dual:	6.3 x 14 x 5 in. / 16 x 36.5 x 13 cm
Weight:	10 lbs. / 4.5 kg
Electrical:	115V or 230V, 50-60Hz
Warranty:	2 years

Ordering Information

BSH5001-1B* **myBlock I** Single chamber dry bath with 1 Quick-Flip block (BSWCMB) for tubes (0.2 to 2.0ml) and PCR strips

BSH5002-2B* **myBlock II** Dual chamber dry bath with 2 Quick-Flip blocks (BSWCMB) for tubes (0.2 to 2.0ml), PCR strips / PCR Plate

BSH5001* **myBlock I** single chamber dry bath, without block

BSH5002* **myBlock II** dual chamber dry bath, without blocks

BSH-TP1 Optional external temperature probe. For monitoring & controlling actual sample temperature. (Probe can be placed in the sample tube with direct feedback to the control circuit and temperature display.)

* Item is 115V. To order in 230V, add -E to catalog number.

Available Block Accessories:

BSWCMB	Quick-Flip combination block, Side one holds: 24 x 1.5/2.0ml and 14 x 0.5ml, Side two holds: 6 x PCR strips, 48 x 0.2ml or one PCR plate*
BSW1500	Block, 24 x 1.5ml
BSW1520	Block, 24 x 1.5/2.0ml
BSW05	Block, 24 x 0.5ml
BSW10	Block, 20 x 10mm†
BSW13	Block, 20 x 13mm (or 20 x 5/7ml)†
BSW1516	Block, 12 x 15-16mm (or 12 x 10ml)†
BSW02	Block, 48 x 0.2ml tubes or 6 PCR strips
BSW15	Block, 12 x 15ml†
BSW50	Block, 5 x 50ml†
BSWPCR1	Block, 1 x 96-well PCR Plate
BSWPCR2	Block, 1 x 96-well PCR Plate (myBlock II only)
BSWMT	Block, 1 x Micro Titer Plate (myBlock II only)
BSW01	Block, solid - for slides or custom machining

* Two blocks required for use with PCR plates. † Tall block (3.25"), height prevents use with lid.

ISO BLOCK™ Digital Dry Baths

Two Independent Block Chambers



- + **Two isolated chambers**
independent control of time and temperature
- + **Digital temperature control**
set and walk away
- + **Hinged lid**
improves temperature uniformity & conserves energy
- + **Available with Quick-Flip™ universal blocks**
for microtubes (0.2 to 2.0ml), PCR strips & PCR plates

Benchmark's new IsoBlock dry bath is ideal for incubation of samples at two different temperatures, in a single compact unit. The two chambers are separated by an insulated wall and are controlled independently, allowing IsoBlock to serve as two dry baths in one. The hinged (and removable) lid is also designed with a dividing wall. When closed, this dividing wall acts as a barrier, preventing air transfer between chambers.

The control panel features large digital displays of both time and temperature. Both settings of a block can be adjusted at any point, without affecting the settings of the other block. The timer function is non-mandatory; IsoBlock can be used for continuous heating.

Various blocks are available for accommodating nearly all popular tube sizes. In addition, the unique Quick-Flip™ universal blocks accept tubes from 0.5 to 2.0ml and, with just a quick flip to the other side, they also accommodate 0.2ml tubes or PCR strips.

Technical Data:

Temperature Range:	Ambient +5 to 105°C
Temp. Accuracy / Uniformity:	± 0.3°C / ± 0.2°C
Temperature Increments:	0.1°C
Timer:	Continuous / 1 min. to 99 hr 59 min.
Dimensions (w x d x h):	6.3 x 14 x 5 in. / 16 x 36.5 x 13 cm
Weight:	10 lbs. / 4.5 kg
Electrical:	115V or 230V, 50-60Hz
Warranty:	2 years

Ordering Information:

BSH6000*	IsoBlock digital dry bath, without blocks, 115V
BSWCMB	Quick-Flip combination block Side 1: 24 x 1.5/2.0ml & 14 x 0.5ml Side 2: 6 x PCR strips or 48 x 0.2ml
BSW1500	Block, 24 x 1.5ml
BSW1520	Block, 24 x 1.5/2.0ml
BSW05	Block, 24 x 0.5ml
BSW10	Block, 20 x 10mm**
BSW13	Block, 20 x 13mm (or 20 x 5/7ml)†
BSW1516	Block, 12 x 15-16mm (or 12 x 10ml)†
BSW02	Block, 48 x 0.2ml tubes or 6 PCR strips
BSW15	Block, 12 x 15ml (myBlock only)†
BSW50	Block, 5 x 50ml (myBlock only)†
BSWPCR1	Block, 1 x 96-well PCR Plate
BSW01	Block, solid - for slides or custom machining

* Item is 115V. To order in 230V, add -E to catalog number.
† Tall block (3.25"), height prevents use with lid.



Available with **Quick-Flip™** block for microtubes (0.2 to 2.0ml) and PCR strips

Benchmark Scientific

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SB-12L Shaking Water Bath



- + *Orbital shaking motion*
- + *Included spring platform accepts tubes, bottles and flasks*
- + *Compact design, conserves bench space*
- + *Digital control and display of time, temperature, and speed*

This compact shaking water bath utilizes the well proven, belt-less motor drive system from our popular Orbi-Shaker™ Series, with the addition of precision temperature control up to 80°C.

The seamless, stainless steel chamber has a 12 liter capacity and includes a universal spring-loaded platform for securing 15 & 50ml test tubes, as well as Erlenmeyer flasks and media bottles up to 1 liter. A hinged and removable lid is also included to reduce energy waste, prevent splashing and divert condensation away from samples.

Easy to use controls allow the user to digitally select and monitor time, temperature and shaking speed, while a constant monitoring system ensures accuracy over each parameter.

Optional test tube racks are available for microtubes and custom-designed racks can also be made available by request.

Technical Data:

Temperature range:	Ambient +5°C to 80°C
Capacity:	12 Liters
Temperature accuracy:	+/- 0.3°C at 37°C
Temperature uniformity:	+/- 0.2°C at 37°C
Temperature increment:	0.1°C
Shaking speed range:	30 to 200rpm (increments of 1rpm)
Shaking orbit:	25mm (1")
Timer:	1 min. to 48 hours or continuous
Dimensions:	12.2 x 13.5 x 12 in. 31.7 x 34.3 x 30 cm
Electrical:	115V, 60Hz or 230V, 50Hz / 300W
Weight:	31 lbs / 14kg

Capacity Chart

	Bottles/Tubes	Flasks
0.5mL	40	N/A
1.5/2.0mL	40	N/A
15mL	63	N/A
50mL	15/30	12
125mL	8	8
250mL	4	3
500mL*	2	2
1000mL*	2	1

*Height of vessel may limit ability to close included lid.

Ordering Information

SB0012*	SB-12L Shaking Water Bath with universal spring platform for tubes, bottles and flasks
SB0012-T1520	Optional rack for 1.5/2.0mL micro tubes
SB0012-T5	Optional rack for 0.5mL micro tubes

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



SB-12L with 15mL conical tubes



SB-12L with 50mL conical tubes

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