

Baths & Circulators

Shaking & Heating Baths

Reciprocal shaking & heating baths.

All **BS Models** feature rapid and accurate shaking by adopting silent and anti-vibration BLDC (Brushless DC) motors. And their precise and constant temperature control provides ideal sample incubation conditions suitable for DNA, tissue, or cell culture applications.

Operating Features

- +5°C above room temperature to 100°C.
- Microprocessor PID control / auto tuning / calibration.
- Digital timer for delayed ON / OFF. (from 1 min to 99 hr 59 min)
- Protection against over-temperature.
- Digital LED display. (0.1°C and 1 rpm resolution)
- Splash-proof keypad.

Constructional Features

- Separate control keys for shaker mechanism allowing the unit also to be used as a constant temperature bath.
- Minimal shock to the samples thanks to the shaker's gentle start feature.
- Multiple LED displays for setting various values.
- Isolated design of agitator, heater, and sensor by a baffle plate to minimize the turbulence in the bath fluid and also to protect users and samples against direct contact.
- Removable shaking carriage designed for external assembly avoiding direct contact with the bath fluid.
- Minimization of the liquid loss and dripping of the bath liquid into the samples thanks to the included gable cover.
- Included SUS 304 spring wire rack with double-two-tier providing various ways of glassware settings.



BS-31 with the included Gable Cover and Spring Wire Rack

- Included Accessories**
- Stainless steel Gable Cover
 - Spring Wire Rack
- Optional Accessories**
- Universal Platform, Dedicated Platform, Flask Clamps, etc
 - Test Tube Racks
- ☞ see page 19

Specifications & Ordering Information



Model		BS-06	BS-11	BS-21	BS-31
Bath Volume (L / cu ft)		17 / 0.6	25 / 0.9	37 / 1.3	55 / 1.9
Working Temperature Range (°C / °F)		Amb. +5 to 100 / Amb. +9 to 212			
Temperature Stability ¹⁾ (±°C / °F)		0.2 / 0.36			
Shaking System	Motion / Speed Range (RPM)	Reciprocating / 20 to 180			
	Recip Stroke Length (mm / inch)	25, 30, 35 / 1.0, 1.2, 1.4 Available - Standard 30 / 1.2			
Dimension	Bath Opening /Depth (WxL, D) (mm / inch)	109×243, 235 / 4.3×9.6, 9.3	229×243, 235 / 9.0×9.6, 9.3	389×243, 235 / 15.3×9.6, 9.3	670×350, 235 / 26.4×13.8, 9.3
	Overall (WxLxH) (mm / inch)	430×440×355 / 16.9×17.3×14	550×440×355 / 21.7×17.3×14	710×440×355 / 28×17.3×14.3	860×490×355 / 33.9×19.3×14
	Net Weight (kg / lbs)	26 / 57	30 / 66	35 / 77	42 / 93
Electrical Requirements (230V, 60Hz)		3.7A	4.6A	8.9A	8.9A
Cat. No.		AAH44061K	AAH44111K	AAH44211K	AAH44311K
Electrical Requirements (230V, 50Hz)		3.7A	4.6A	8.9A	8.9A
Cat. No.		AAH44062K	AAH44112K	AAH44212K	AAH44312K
Electrical Requirements (120V, 60Hz)		7.1A	8.8A	-	-
Cat. No.		AAH44063U	AAH44113U	-	-

※ BS-21 and BS-31 Models are available ONLY for 230V.

1) Technical data according to DIN 12876.