



Performance

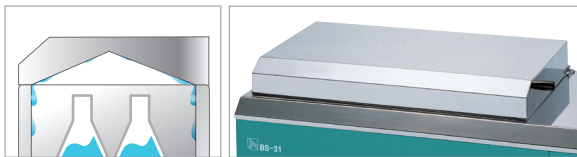
- Temperature range from ambient +5°C to 100°C.
- Reciprocating shaking up to 180rpm while maintaining uniform temperature.
- Microprocessor PID control / Temperature calibration / Automatic tuning / Automatic run.
- Separate control keys for shaker mechanism allows the unit also to be used as heating bath.

Convenience

- Multiple LED displays (0.1°C and 1 rpm resolution) for various values.
- Dual wait on/off timer modes. (1 min. to 99 hr. 59 min.)
- Minimal shock to the samples thanks to the shaker's gentle feature.
- Spring wire rack is easy to equip and the height of the rack is easily adjustable.
- Gable cover minimizes of the liquid loss and prevents dripping of the bath liquid into the samples.
- Silent and anti-vibration BLDC motor.
- SUS 304 spring wire rack (two tier rack with flexible crossed spring) provides various ways of glassware settings.

Safety

- 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.
- Complete safety protection system with warning alarms.
 - Over-temperature, over-current protection.



Specially designed inner gable cover for protection of sample contamination

Reciprocating shaking & heating baths.

Ideal for sample incubation conditions for DNA, tissue, or cell culture applications.



BS-31

Standard accessories

- Stainless steel gable cover
- Spring wire rack

Optional accessories

see page 29

- Universal platforms
- Dedicated platforms, Flask clamps

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) 30 / 1.2 (25, 35 / 1.0, 1.4 available)				
Dimension	Bath opening / depth (WxL, D) (mm / inch)	199x300, 235 / 7.8x11.8, 9.3	319x300, 235 / 12.6x11.8, 9.3	479x300, 235 / 18.9x11.8, 9.3	629x350, 235 / 24.8x13.8, 9.3
	Exterior (WxLxH) (mm / inch)	430x440x355 / 16.9x17.3x14	550x440x355 / 21.7x17.3x14	710x440x355 / 28x17.3x14.3	860x490x355 / 33.9x19.3x14
	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	-	-	

1) Technical data according to DIN 12876. (bath fluid : water at 50°C)

* FDA establishment registered company. FDA listed products.