

Constant High Temp. Water Baths | Standard Type

BK310C/410C/510C/610C/710C, BA310C/410C/510C/610C/710C

Temp. control range RT+5~80°C

Internal capacity 27L 42L 70L 109L 144L

Easy to use, with a observation window to confirm sample status, the constant high temperature water baths range from 27L to 144L in volume.



BK Series: Fixed temp. operation

BA Series: Program Operation

■ Features

- Feature both BK fixed temp. operation and BA program operation.
- Achieve very high temperature adjustment precision through high-precision temperature regulation methods and efficient circulation pumps stirring inside the bath.
- Temperature and time settings and indicators are all digitally displayed; quick auto-stop, auto-stop, and auto-start functions can be realized.

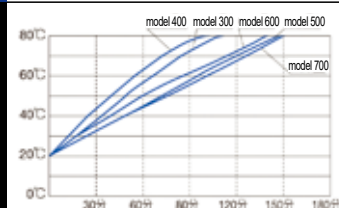
■ Safety

- Equipped with self-diagnostic circuit (temperature sensor abnormality, heater disconnection, automatic overheating prevention, SSR short circuit), an independent overheating alarm, and safety functions such as leakage protection switches that prevent overcurrent and key lock.

■ Specifications

Model	BK/BA310C	BK/BA410C	BK/BA510C	BK/BA610C	BK/BA710C	
System	High efficiency circulation pump stirring					
Performance	Operating temp. range	RT+5~80°C				
	Temp. adjusting accuracy	±0.02~±0.07°C				
	Temp. distribution accuracy	±0.3°C				
	Max. temp. reaching time	Approx. 120 min	Approx. 110 min	Approx. 165 min	Approx. 160 min	Approx. 200 min
Composition	Internal chamber	Stainless steel plate and glass				
	Temp. regulator	Computer PID control (BK: fixed temp. Type, BA: fixed temp. type and program type)				
	Sensors	W sensor: Platinum resistance thermometer Pt100Q (temperature regulator) + K thermocouple (overheating preventer)				
	Temp. setting method	Digital Setting				
	Temp. display method	Digital display				
	Overheating preventer and setting method	Computer ON-OFF control Digital Setting				
	Heater (SUS316 L)	1.3kW	2.2kW	2.4kW	3.5kW	4.5kW
	Stirring pump	6w	30w	60w		
	Timer	1 min~99 h 59 min~999 h 59 min digital setting auto start, auto stop, quick auto stop				
	Program function (BA type)	1 mode 30 steps, 2 mode 15 steps, 3 mode 10 steps				
Safety device	Self-diagnostic functions: Temperature sensor malfunction, heater malfunction, display malfunction, SSR short circuit, automatic overheat protection malfunction, measured temperature malfunction; Safety devices: Residual current circuit breaker, overheat protector (electronic type integrated with controller)					
Specifications	External dimensions (W×D×H mm)	490×360×367	590×410×367	690×460×417	738×560×467	830×560×517
	Water bath dimensions (W×D×H mm)	300×300×300	400×350×300	500×400×350	548×500×400	640×500×450
	Material	Tempered glass×2				
	Observation window dimensions (Width×height mm)	240×215	340×215	440×265	340×215	440×265
	Internal bath capacity	Approx. 27L	Approx. 42L	Approx. 70L	Approx. 109L	Approx. 144L
	Shelf sections	5		6	9	10
	Drainage pipe	φ 15×20mm				
	Power supply (50/60Hz)	AC220V				
	Rated current	6A	10.5A	11.5A	16.5A	22A
	Weight	Approx. 19kg	Approx. 25kg	Approx. 30kg	Approx. 36kg	Approx. 46kg
Accessories	1 shelf, 2 clamping devices, 1 support column, 2 clamping device brackets, instruction manual					
Options	Container installation bracket, viscosity meter bracket, external circulation pump, cooling pipe, water bath lid, external communication function (RS485)					

■ Data (Temperature rise curve)



■ Control panel



BK type

BA type

■ Water bath lid



1 Sterilizers

2 Granulation and Spray Dryers

3 Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Stirrers & Shakers

12 Options