

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.

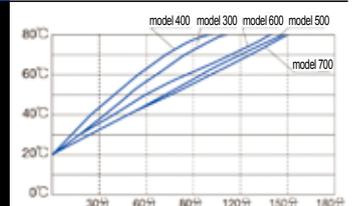
Safety

- 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 temperature measuring resistor Pt100w (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				
	Heater (SUS316)	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 circuit (temperature sensor error detection, heater disconnection protection, automatic overheating preventer, SSR short-circuit), overheating preventer, overcurrent leakage protection switch, and key lock functions.					
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
	Observation window dimensions (Width×height mm)	240×215	350×225	440×265	350×225	440×265
	Internal bath capacity	Approx. 27L	Approx. 42L	Approx. 70L	Approx. 109L	Approx. 144L
	Shelf sections	5		6	9	10
	Drainage pipe	Φ15×20mm				
	Power supply (50/60Hz)	AC220V				
	Rated current	7A	11A	12A	17A	22A
	Weight	Approx. 19kg	Approx. 25kg	Approx. 30kg	Approx. 36kg	Approx. 46kg
	Accessories	1 shelf, 1 set of clamp supports, 1 drain pipe, 1 hose plug				
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 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers & Cold Traps

12 Stirrers & Shakers

13 Washers

14 Analysis and Test Devices

15 Options