

Constant Temperature Water Baths

BK/BA

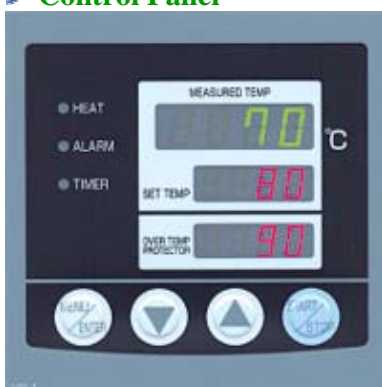
Model	
BK	BA
Operation	
Fixed	Programmed
Temperature Range	
Room Temp.+5deg.C to + 80deg.C	
Internal Capacity(L)	
27/42/70/109/144	

The BA/BK models are deep constant temperature water baths.

The BK model enables fixed operation, while the BA model allows for programmed operation. For each model, there are five kinds of tank capacities: 27L, 42L, 70L, 109L, and 144L.

- An extremely high degree of temperature adjustment precision is achieved by using a high-precision thermostat and circulation pump.
- Settings for the temperature and timer can be easily input using the up and down keys, and the settings appear on a digital display.

Control Panel



for BK type



for BA type



Specifications

	BK/BA300	BK/BA400	BK/BA500	BK/BA610	BK/BA710
■ Performance					
Stirring method	Stirring by pump				
Operating temp. range	Room temp. +5deg.C to + 80deg.C				
Temperature control accuracy	±0.02deg.C to 0.07deg.C				
Temperature distribution accuracy	±0.3deg.C				
Temperature rising time	Approx. 120 min.	Approx. 110 min.	Approx. 165 min.	Approx. 160 min.	Approx. 200 mins for BK710 and 160 mins for BA710
■ Components					
Interior	Stainless steel and glass				
Temp. Controller	PID control by microprocessor				
Temp. Sensor	Pt resistance thermometer (double sensor)				
Temp setting method	Digital setting				
Temp display method	Digital display				
Overheat protector	ON/OFF control by microprocessor				
Overheat protect setting method	Digital setting				
Overheat protect sensor	K-thermocouple (double sensor)				
Heater (SUS316)	1.3kW	2.2kW	2.4kW	3.5kW	4.5kW
Stirring System (Magnet pump)	6W	30W	30W	60W	60W
Timer	1 min. to 99 Hrs. 59 min. to 999.5 Hrs. Digital setting, Automatic start/stop				
Program Operation	2 pattern 15 steps or 1 pattern 30 steps(only BA type)				
■ Safe Device					
Safety countermeasures	Self-diagnosis function(Heater defective, Triac short circuit and Overheat protector), Over current, Electric leakage breaker.				
■ Standard					
Internal dimensions(W×D×Hmm)	300×300×300	400×350×300	500×400×350	548×500×400	640×500×450
External dimensions(W×D×Hmm)	490×360×367	590×410×367	690×460×417	738×560×467	830×560×517
Window dimensions(W×Hmm)	240×215	340×215	440×265	340×215	440×265
Tank Capacity	27 liter	42 liter	70 liter	109 liter	144 liter
Shelf pitch	30mm				
Number of plates	5	5	6	9	10
Drain hose	φ15×20mm				
Power source 50/60Hz	AC100V 14A (15A)	AC100V 23A (30A)	AC100V 25A (30A)	AC200V, single phase 19A (20A)	AC200V, single phase 25A (30A)
Weight	Approx. 19kg	Approx. 25kg	Approx. 30kg	Approx. 36kg	Approx. 46kg
■ Accessories					
	Shelf plate...1pc., Clamp...2pcs., Stand...1pc., Clamp holder...2pcs.				

■ Optional items

Description	Model No.	Product Code
Rack for BK-BA300, 294 X 272 X 148.5mm	BK-BA Series	221195
Rack for BK-BA400, 394 X 322 X 148.5mm	BK-BA Series	221196
Rack for BK-BA500, 494 X 372 X 148.5mm	BK-BA Series	221197
Bracket for Viscosimeters, for BK-BA300, for 4 pcs.	BK-BA Series	221189
Bracket for Viscosimeters, for BK-BA400, for 4 pcs.	BK-BA Series	221183
Bracket for Viscosimeters, for BK-BA500, for 5 pcs	BK-BA Series	221184
Water supply pump, for PT-16 (Temp. up to 80 deg. C, lift approx. 2m, water supply approx. 9L/min)	BK-BA Series	221190
Cooling Coil for BK-BA 300, 400, 500	BK-BA Series	221182
Top Cover, for BK-BA300	BK-BA Series	221192
Top Cover, for BK-BA400	BK-BA Series	221193
Top Cover, for BK-BA500	BK-BA Series	221194
Top Cover, for BK-BA610	BK-BA Series	221383
Top Cover, for BK-BA710	BK-BA Series	221384
Top Cover, for BK-BA610	BK-BA Series	221385
Top Cover, for BK-BA710	BK-BA Series	221386
Truck with caster	BK-BA Series	221385
Truck with caster	BK-BA Series	221386

Cooling Coil



Top of water tank for BK/BA300,400,500



Bracket for Viscosimeters



Top of water tank for BK/BA610,710



Rack



Water pump

