

Constant Temperature Water Baths

Model BK/BA

Model

BK

BA

Operation

Fixed

Programmed

Temperature Range

Room Temp. +5°C~+80°C

Internal Capacity (ℓ)

27/42/70/109/144

Control panel



for BK type

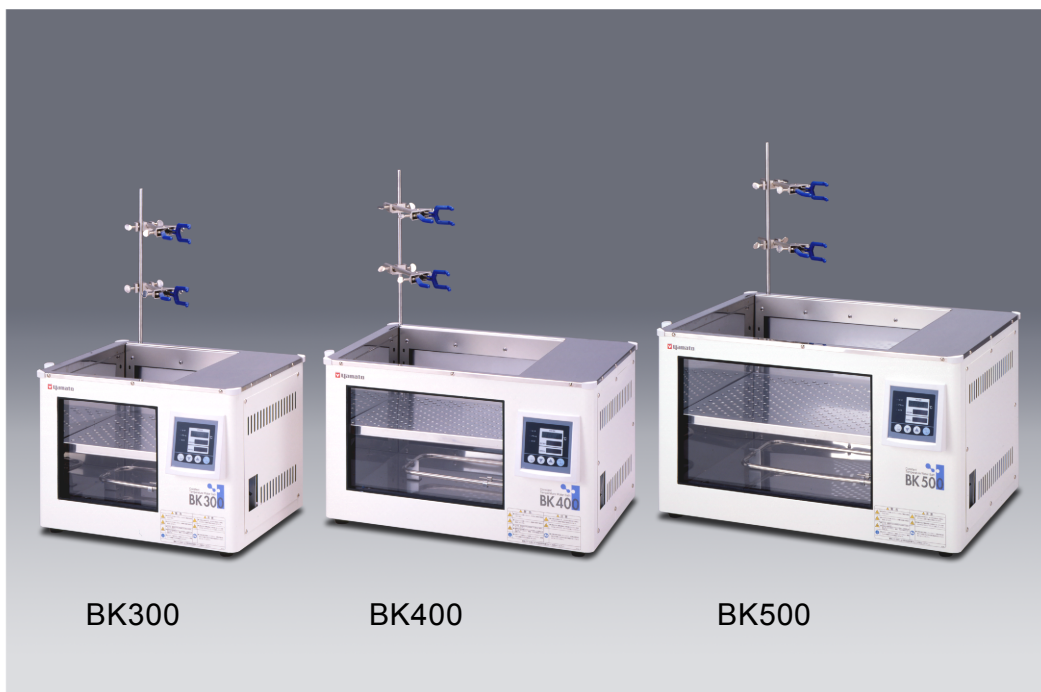


for BA type

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.

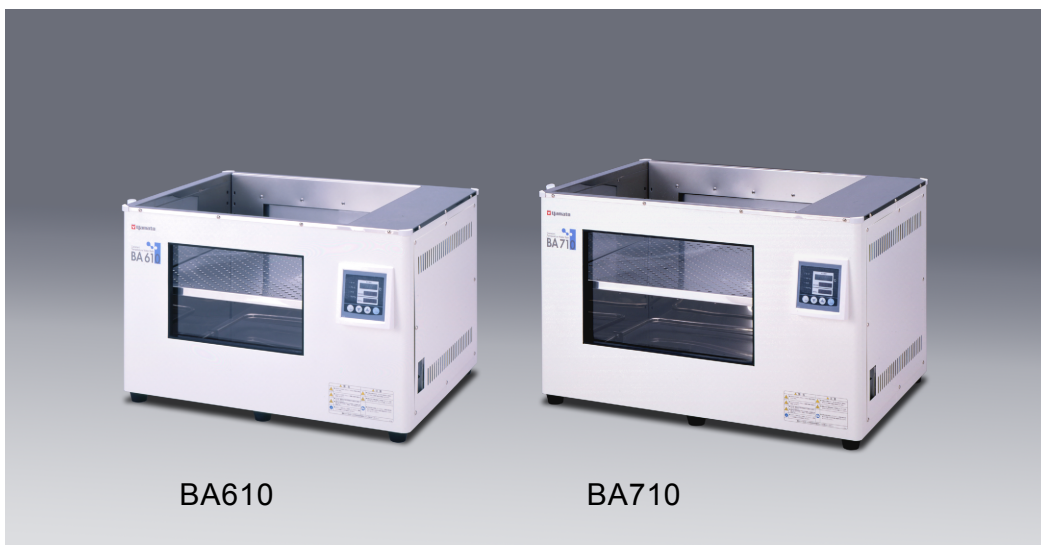
- An extremely high degree of temperature adjustment precision is achieved by using a high-precision thermostat and circulation pump.
- Settings for the temperature and timer can be easily input using the up and down keys, and the settings appear on a digital display.



BK300

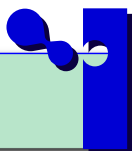
BK400

BK500



BA610

BA710



Constant Temperature Water Baths



Specifications

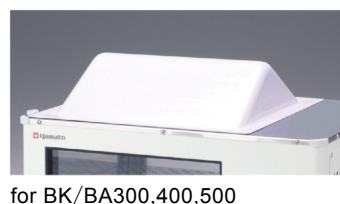
Model	BK/BA300	BK/BA400	BK/BA500	BK/BA610	BK/BA710
Performance					
Stirring method	Stirring by pump				
Operating temp. range	Room temp. +5°C~80°C				
Temperature control accuracy	±0.02°C~0.07°C				
Temperature distribution accuracy	±0.1°C				
Temperature rising time	Approx. 120 min.	Approx. 110 min.	Approx. 165 min.	Approx. 220 min.	Approx. 300 min.
Components					
Interior	Stainless steel SUS 304 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	Copper pipe heater (nickel plated)				
	1.3kW	2.2kW	2.4kW	3.5kW	4.5kW
Stirring System	Magnet pump				
	6W	30W	30W	60W	60W
Timer	1 min.~99 Hrs. 59 min.~999.5 Hrs. Digital setting, Automatic start/stop				
Program Operation	2 pattern 8 segments or 1 pattern 16 segments(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)	490×360×445	590×410×445	690×460×495	738×560×545	830×560×595
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
Drain hose	φ 15×20mm				
Power source 50/60Hz	100V/230V, Single phase, 14A/6.5A	100V/230V, Single phase, 23A/11A	100V/230V, Single phase, 25A/12A	200V/230V, Single phase, 19A/17A	200V/230V, Single phase, 25A/22A
Weight	Approx. 19kg	Approx. 25kg	Approx. 30kg	Approx. 36kg	Approx. 46kg
Accessories					
Shelf plate...1pc., Clamp...2pcs., Stand...1pc., Clamp holder...2pcs.					

Optional Accessories

Rack



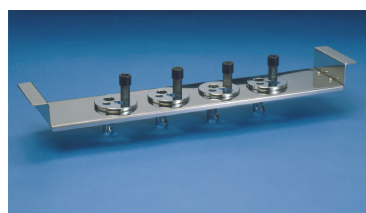
Top Cover



Cooling Coil



Bracket for Viscosimeters



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