

Economical Water Bath (Constant Temp.)

BM100/110/200/210/401/500/510

Setting system Analog BM100/110/200/210 Digital BM401/500/510

Operating temp. range Room temp. +5~95°C BM100/110/200/210/401 Room temp. +5~90°C BM500/510

Bath capacity 4L BM100/110/500/510 7L BM200/210/401

Easy to use, compact design water bath



4L
BM100

7L
BM200

7L
BM401



4L
BM500

BM100/110/200/210

- Analog set up system
- Thermometer is included to verify actual temperature
- Protected water tank prevents burns caused by contact
- Equipped with a drain (BM200/210)

BM401

- Digital temperature setting by ▲/▼ keys
- Protected water tank prevents burns caused by contact
- Equipped with a drain

BM500/510

- Digital temperature setting by ▲/▼ keys
- Removable water tank for convenient cleaning and changing of water
- Heater situated outside the water tank
- Exclusive connection for bath operational setting function with RE601/801 rotary evaporator

Specifications

Model	BM100	BM110	BM200	BM210	BM401	BM500	BM510
Operating temp. range *1	Room temp. +5~95°C *1					Room temp. +5~90°C	
Temp. adjustment accuracy *2	±2°C (at 60°C)				±1°C (at 60°C)		±1.5°C (at agitation)
Temp. control	ON/OFF control				PID control by microprocessor		
Temp. setting / display	Analog setting (Glass thermometer indication)				Digital setting by ▲/▼ keys	Digital 7 segment LED Digital setting by ▲/▼ keys	
Operation function	Operation at fixed point				Fixed temperature, quick auto stop, auto stop, auto start	Fixed temperature, quick auto stop, auto stop, auto start	
Additional functions	--				Calibration off-set, power failure recovery, keypad lock	Keypad lock, maintenance function (RE signal transmission and reception), calibration off-set, power failure recovery	
Heater	SUS316 pipe heater 500W		SUS316 pipe heater 1kW			1kW (100V) 1.44kW (120V)	1kW (200V) 1.44kW (220V)
Sensor	Liquid expansion type				Pt100Ω	K thermocouple	
Safety device	Bath protection cover					Bath protection cover (ABS heat-resistant resin)	
	Overcurrent protection (fuse: 7A), thermal fuse		Overcurrent protection (fuse: 15A), thermal fuse		Self-diagnostic functions (automatic overheat prevention, sensor trouble, triac short circuit, heater disconnection, main relay failure), circuit protector, thermal fuse	Self-diagnostic functions (automatic overheat prevention, sensor trouble, triac short circuit, heater disconnection, main relay failure), circuit protector, thermal fuse, micro switch to detect heating without water	
Water tank	Capacity		Approx. 4L		Approx. 7L		Approx. 4L
	Dimensions		I.D.200xD120mm		I.D.250xD150mm		Max. I.D.240xbottom dia165xD122mm
External dimensions	W240xD300xH150mm		W310xD360xH230mm			W340xD349xH231mm	
Weight	Approx. 3.5kg		Approx. 6kg		Approx. 7kg	Approx. 5.5kg	
Power source (50/60 Hz)	AC115V 4.5A paddle switch	AC220V 2.3A paddle switch	AC115V 9A	AC220V 4.5A	AC115V 11A	AC100V~120V 12.5~10.5A	AC200~240V 6.5~5.5A
Accessories	Bar thermometer (10~110°C) with immersion line				--		--

*1. No load operation of bath only. Maximum temperature varies based on different circumstances and operational conditions

*2. Measured under ambient temperature of 23°C±5°C, humidity of 65%RH±20%