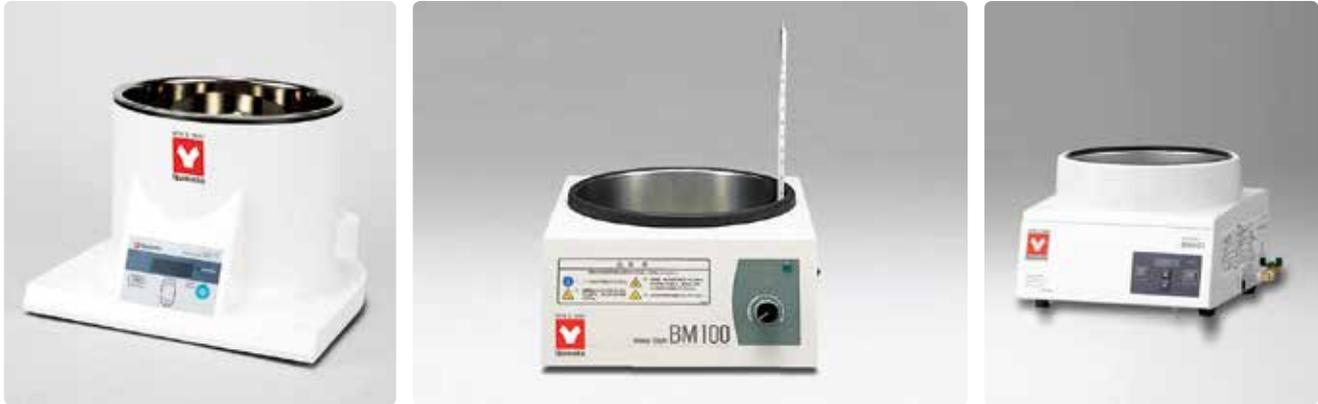# Constant High Temp. Water Baths | Economy Type

BM510C/100/401

Operating temp. range | RT+5~90℃ (BM510C); RT+5~95℃ (BM100/401)

Compact design with better operability for constant temperature water bath.

Features

● The water bath is with protection to prevent burns during contact. (BM100/401)

● Temperature setting uses up and down keys for numeric setting, making it easy to operate. (BM510C/401)

● The water bath has no heater, facilitating water changes and tank removal for cleaning. (BM510C)

● Equipped with an easy-drain drainage valve. (BM401)

Specifications

	Model	BM510C	BM100	BM401
Performance	Operating temp. range	RT+5℃~90℃	RT+5℃~95℃	
	Temp. adjusting accuracy	±1.5 (during stirring)	±2℃ (at 60℃)	±0.3℃ (at 60℃)
Composition	Temp. control method	PID control	ON/OFF control	PID control
	Temp. setting/display method	Digital setting · display	Analog setting (glass thermometer indication)	Digital setting · display
	Attached functions	Key lock function, RE signal transmission and reception function, power failure protection operation, deviation correction function	—	Temperature preset (1-point memory · retrieval)
	Heater	1KW (at 200V) 1.44KW (at 240V)	SUS316 heating tube 500W	SUS316 heating tube 1KW
	Sensors	K-type thermocouple	Liquid expansion type	Pt100Ω
	Safety device	Water bath protection cover (ABS heat-resistant resin), self-diagnostic function (automatic overheating prevention, sensor anomaly), circuit breaker, temperature fuse, water bath detection switch	Water bath protection cover, overcurrent protection (fuse: 7A), water bath protection cover, temperature fuse	Water bath protection cover, self-diagnostic function (automatic overheating prevention, sensor anomaly, bidirectional thyristor short circuit, heater disconnection, main relay failure), circuit breaker, temperature fuse
Specifications	Internal bath capacity	Approx. 4L	Approx. 4L	Approx. 7L
	Water bath dimensions	Maximum internal diameter Φ240×bottom diameter 165×height 122mm	Internal diameter Φ200×height 120mm	Inner diameter Φ250×height 150mm
	External dimensions	W340×D349×H231mm	W240×D300×H150mm	W310×D360×H230mm
	Weight	Approx. 5.5kg	Approx. 3.5kg	Approx. 7kg
	Power supply	AC200~240V 5.5~6.5A	AC100V 6A	AC100V 13A
Accessories		—	Thermometer (10~110℃)	—