

# Constant Low Temp. Water Baths | Large Capacity

## BL410C/810C

Temp. control range -15~70°C

Temp. distribution accuracy ±0.3°C

Internal capacity 36L 80L

Large capacity constant low temperature water baths with observation window.



### Features

- Wide operating temperature range: -15~70°C.
- Automatic stop operation and automatic start operation are both achievable. RS485 communication function and temperature output terminal (4~20mA) are also Standard equipment.
- Set a large observation window.  
BL410C: width 250×height 135 mm  
BL810C: width 450×height 135 mm
- Shelf height can be adjusted in segments.

### Safety

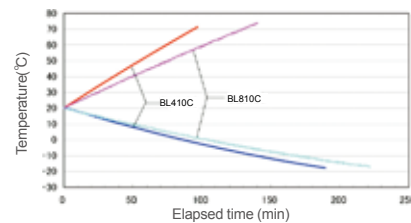
- Self-diagnosis function, leakage circuit breaker to prevent overcurrent, pressure detection for the refrigeration unit, anti-dry heating float switch, overload protection relay for the refrigeration unit, delay function for refrigeration unit protection.

### Control panel

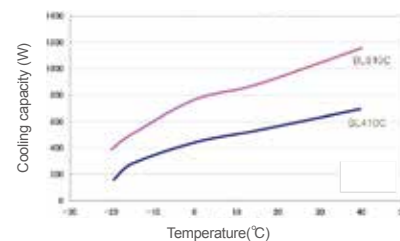


BL410C/BL810C

### Heating/cooling · cooling capacity curve



### Cooling Capacity Curve



### Specifications

Model		BL410C	BL810C
System		Pump circulated cooling	
Performance	Operating temp. range	-15~70°C	
	Temp. adjusting accuracy	±0.1°C	
	Temp. distribution accuracy	±0.3°C	
	Temp. unit	0.1°C	
	Cooling capacity	Approx. 540W (464Kcal/h), at liquid temp. 15°C	Approx. 920W (791Kcal/h), at liquid temp. 15°C
Composition	Temp. control	PID control	
	Operation functions	Fixed temp. operation, auto start, quick auto stop, auto stop	
	Temp. sensor	Temperature regulator: Pt thermal resistor, for overheat protection: K-type thermocouple	
	Temp. setting, display	Digital setting, digital display	
	Refrigerator, refrigerant	Air cooling	
		350W, R404A	600W, R404A
	Stirring method	Jet stirring is realized by magnetic pump	
	Heater	1.3kW	2kW
	Operating ambient temp. range	5~30°C	
	Safety device	Self-diagnosis function, overload protection relay for the refrigeration unit, pressure detection for the refrigeration unit, anti-dry heating float switch, delay function for refrigeration unit protection, key lock function, automatic overheating protection function, leakage protection switches for over-current, overheating protector	
Other functions	Water valve, condenser filter, RS485 communication function, temperature output terminal (4~20mA), refrigeration unit pressure indicator, deviation correction function, power failure compensation function		
Specifications	Water bath dimensions	400×300×300	600×400×350
	Internal bath capacity	36L	80L
	Shelf layer quantity and spacing	2 layers, adjustable 30mm spacing	
	External dimensions (W×D×H mm)	680×390×805	880×490×855
	Power supply (50Hz)	AC220V 8.5A	AC220V 14A
	Weight	Approx. 57kg	Approx. 85kg
Accessories	Bottom shelf, variable mid-shelf		

- Sterilizers 1
- Granulation and Spray Dryers 2
- Furnaces 3
- Ovens 4
- Incubators 5
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- Water Purifiers 7
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