

## Low Constant Temperature Water Bath

**BL401/810**

Model	
401	810
Operating Temperature Range	
-15deg.C to +70deg.C	
Temp. Distribution Accuracy	
±0.3deg.C	
Bath Inner Capacity	
Approx. 36L	Approx. 80L

### FEATURES

- Wide operation temp. range (-15deg.C - +70deg.C)
- Abundant support function (auto stop, auto start operation. RS845 communication function, temp. output terminal (4-20mA) are standard equipped. Large observation window also be equipped.
- Abundant safety function

### Control Panel

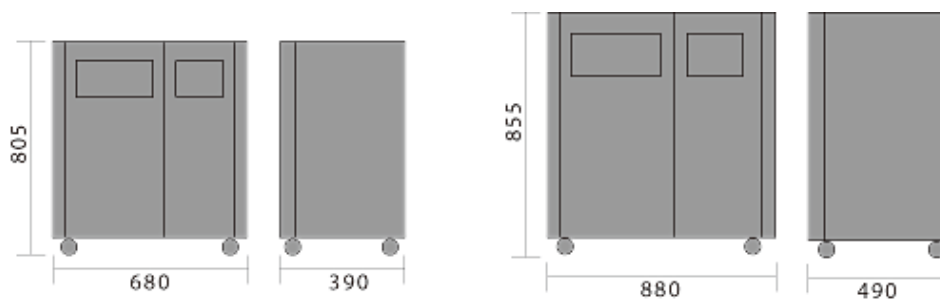


BL401/810



BL401/810

### Size (mm)



BL401/810

## Specifications

Model	BL401	BL810
<b>■ Performance</b>		
Type	Pump Circulation Cooling	Pump Circulation Cooling
Operation Temp. Range	-15 to +70deg.C (at Room Temp. 20deg.C)	
Temp. Adjustment Accuracy Temp. fluctuation	±0.1deg.C (JTM K05) at 20deg.C ±0.5deg.C (JIS) at 20deg.C	±0.1deg.C (JTM K05) at 20deg.C ±0.7deg.C (JIS) at 20deg.C
Temp. Distribution Accuracy Temp. gradient	±0.3deg.C (JTM K05) at 20deg.C 1.2deg.C (JIS) at 20deg.C	±0.3deg.C (JTM K05) at 20deg.C 0.6deg.C (JIS) at 20deg.C
Temp. Indication Unit	0.1deg.C	
Cooling Capacity (at room temp. 20deg.C)	Approx.540W (464Kcal) at Liquid Temp. 15 deg.C	Approx.920W (791Kcal) at Liquid Temp. 15 deg.C
<b>■ Components</b>		
Temp. Control	PID Control by Micro Computer	
Temp. Sensor	Pt100Ω (for Temp. Control) K-Thermocouple (for Overheat Prevention) (Double Sensor)	
Temp. Setting/Display	Digital	
Refrigerator•Coolant	Air Cooling Type, 350W, R404A	Air Cooling Type, 600W, R404A
Stirring Type	Water Jet Stirring Type by Magnet Pump	
External Circulation Pump	N/A	
Pump Max. Flow	N/A	
Pump Max. Lift	N/A	
Heater	1.3kW	2kW
Surrounding Operation Temp. Range	5 to 30deg.C	
<b>■ Safety Device</b>		
Safety Countermeasures	Electric Leakage Breaker for Over Current Protection, Refrigerator Overload Relay, Refrigerator Pressure Detector, Float Switch for Empty Boiling Prevention, Delay Timer Function for Refrigerator Protection, Automatic Overheat Prevention, Overheat Preventor	
Other Function	Drain Cock, Condenser Filter, RS485 Communication Function, Temp. Output Terminal, Refrigerator Pressure Switch Indicator, Key Lock Function, Calibration Off Set Function, Breakout Protection Function	
<b>■ Standard</b>		
Water Bath Dimensions	W400 x D300 x H300mm	W600 x D400 x H350mm
Capacity	36L	80L
Shelf Qty./Pitch	2pcs. 30mm pitch Changeable	
Window Size	W250 x H135mm	W450 x H135mm
External Dimensions	W680 x D390 x H805mm	W880 x D490 x H855mm
Power (50/60Hz)	AC100V 18.5/17.5A (30A)	AC200V single phase 16/15.4A(20A)
Weight	Approx. 68kg	Approx. 105kg
Accessory	Drain hose 0.3m (1 pc), dew condensation hose 0.3m (1pc), shelf (1 pc)	

### ■ Optional items

Description	Model No.	Product Code
External Communication Adapter, RS485-RS232C (conversion)	BL Series	281388
Circulation Heat-Resistant Hose, I.D. 12mm, Length 2m	BL Series	281389
Caster stop holder		281440