

## **Cooling and Heating Thermostatic Water Bath**

**(BGDC Series| -40~220℃)**



### **Product Description**

BGDC Series cooling and heating thermostatic water bath is a kind of self-controlled thermostat with heating and refrigeration system. The thermostatic water bath by PID temperature control technology can reach high precision of temperature up to 0.1 °C. The temperature covers the ranges from -40 °C to 220°C. With the circulating system, the water bath can let the heated liquid flow off from the tank and offer a secondary constant-temperature field. It is widely applied in research institutes, universities, corporate quality control departments and industrial sectors like petroleum, chemical engineering, electronic instruments, physics, chemistry, bio-engineering, medicine and health, life science, light industry and food, materials testing and chemical analysis etc. It can provide the user with a working environment where cold or heat was controlled accordingly.

### **Product Features**

1. Integrative design of high and low temperature to save laboratory space
2. PID temperature control technology, the optional volatility is  $\pm 0.1$  °C.
3. High quality resistant stainless steel liner with volume from 7.5L to 30L is available.
4. Fully enclosed compressor with high speed and low noise.
5. With internal and external circulation system.

6. Big screen LCD display, easy to operate.
7. Over temperature protection system with alarm and automatic cut-off.
8. RS232 or RS485 communication interface is optional and can realize the remote control.
9. The inner groove can be equipped with lifting bracket to adjust the height of special experimental samples.

## Application

The cooling and heating water bath is suitable for petroleum, chemical industry, electronic instrument, physics, chemistry, biological engineering, medicine and health, life science, light industry and food, physical property testing and chemical analysis and other research departments, colleges and universities, enterprise quality inspection and production departments. For example, the constant temperature of biochemical experiment or sample test, the measurement and calibration of thermometer and platinum resistance, supporting fermentation tank, polarizing apparatus, electrophoresis apparatus, photometer, chromatographic column, rotary viscometer, rotary evaporator, rheometer and so on.

## Technical Specification

Model	Temperature Range °C	Temperature Volatility °C	Tank Size (mm3)	Tank Cover Size (mm2)	Volume (L)	Pump Flow (L/min)
BGDC-0506	-5~220	±0.05~0.2	250×200×150	180×140	7.5	Internal recycle
BGDC-0510	-5~220	±0.05~0.2	250×200×200	180×140	10	Internal recycle
BGDC-0515	-5~220	±0.05~0.2	280×250×200	235×160	15	Internal recycle
BGDC-0520	-5~220	±0.05~0.2	280×250×300	235×160	20	Internal recycle
BGDC-0530	-5~220	±0.05~0.2	420×330×230	310×280	30	Internal recycle

BGDC-1006	-10~220	$\pm 0.05 \sim 0.2$	250×200×150	180×140	7.5	Internal recycle
BGDC-1010	-10~220	$\pm 0.05 \sim 0.2$	250×200×200	180×140	10	Internal recycle
BGDC-1015	-10~220	$\pm 0.05 \sim 0.2$	280×250×200	235×160	15	Internal recycle
BGDC-1020	-10~220	$\pm 0.05 \sim 0.2$	280×250×300	235×160	20	Internal recycle
BGDC-1030	-10~220	$\pm 0.05 \sim 0.2$	420×330×230	310×280	30	Internal recycle
BGDC-2006	-20~220	$\pm 0.05 \sim 0.2$	250×200×150	180×140	7.5	Internal recycle
BGDC-2010	-20~220	$\pm 0.05 \sim 0.2$	250×200×200	180×140	10	Internal recycle
BGDC-2015	-20~220	$\pm 0.05 \sim 0.2$	280×250×200	235×160	15	Internal recycle
BGDC-3006	-30~220	$\pm 0.05 \sim 0.2$	250×200×150	180×140	7.5	Internal recycle
BGDC-3010	-30~220	$\pm 0.05 \sim 0.2$	250×200×200	180×140	10	Internal recycle
BGDC-3015	-30~220	$\pm 0.05 \sim 0.2$	280×250×200	235×160	15	Internal recycle
BGDC-4006	-40~220	$\pm 0.05 \sim 0.2$	250×200×150	180×140	7.5	Internal recycle
BGDC-4010	-40~220	$\pm 0.05 \sim 0.2$	250×200×200	180×140	10	Internal recycle

## Service

1. 12 months warranty for thermostatic water bath.
2. Technical support is also available timely.
3. Reply your enquiry within 24 working hours.
4. OEM is available if the quantity is large.
5. Package and shipping worldwide.