

Digital Heating and Cooling Water Bath

Circulator Thermostatic Bath

(BGXDC Series| -40~220°C)



Product Description

BGXDC series digital cooling and heating thermostat enhances the humanization of thermostat control. The temperature and time can be programmed intelligently, and the heating /cooling speed can be set automatically according to user's requirements. The program can control **the very slow heating rate, and the very slow cooling process is especially suitable for the study of crystal tomography process.** 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 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. The program can control the very slow heating rate, and the very slow cooling process is especially suitable for the study of crystal tomography process.
2. The high temperature can drop directly to low temperature by pressing one key in the whole experiment process.
3. The temperature and time can be programmed intelligently.
4. Various parameter settings(including the input/shift/digital keys/temperature/time/other advanced control parameters)
5. PID temperature control technology,the optional volatility is ± 0.1 °C.
6. High quality resistant stainless steel liner with volume from 7.5L to 30L is available.
7. Fully enclosed compressor with high speed and low noise.
8. With internal and external circulation system.
9. Big screen LCD display, easy to operate.
10. Over temperature protection system with alarm and automatic cut-off.
11. RS232 or RS485 communication interface is optional and can realize the remote control.
12. The inner groove can be equipped with lifting bracket to adjust the height of special experimental samples.

Application

The digital circulator thermostatic 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	Cooling Speed (°C/min)	Heating Speed (°C/min)	Tank Size (mm ³)	Tank Depth (mm)	Volume (L)
BGXDC-0506	-5~220	±0.1	0-1	0-3	250×200×150	180×140	7.5
BGXDC -0510	-5~220	±0.1	0-1	0-3	250×200×200	180×140	10
BGXDC -0515	-5~220	±0.1	0-1	0-3	280×250×200	235×160	15
BGXDC -0520	-5~220	±0.1	0-1	0-3	280×250×300	235×160	20
BGXDC -0530	-5~220	±0.1	0-1	0-3	420×330×230	310×280	30
BGXDC -1006	-10~220	±0.1	0-1	0-3	250×200×150	180×140	7.5
BGXDC -1010	-10~220	±0.1	0-1	0-3	250×200×200	180×140	10
BGXDC -1015	-10~220	±0.1	0-1	0-3	280×250×200	235×160	15
BGXDC -1020	-10~220	±0.1	0-1	0-3	280×250×300	235×160	20
BGXDC -1030	-10~220	±0.1	0-1	0-3	420×330×230	310×280	30
BGXDC -2006	-20~220	±0.1	0-1	0-3	250×200×150	180×140	7.5
BGXDC -2010	-20~220	±0.1	0-1	0-3	250×200×200	180×140	10
BGXDC -2015	-20~220	±0.1	0-1	0-3	280×250×200	235×160	15
BGXDC -3006	-30~220	±0.1	0-1	0-3	250×200×150	180×140	7.5
BGXDC -3010	-30~220	±0.1	0-1	0-3	250×200×200	180×140	10
BGXDC -3015	-30~220	±0.1	0-1	0-3	280×250×200	235×160	15
BGXDC -4006	-40~220	±0.1	0-1	0-3	250×200×150	180×140	7.5
BGXDC -4010	-40~220	±0.1	0-1	0-3	250×200×200	180×140	10

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.