

High and low temperature integrated constant temperature bath

KASONTTEST®



Product Introduction

Widely used in universities, colleges, and enterprises in the fields of biology, chemical engineering, chemistry, pharmaceuticals, life sciences, and physical property testing. It provides users with a controlled, uniform, and constant temperature source for conducting constant temperature experiments or tests on experimental samples or manufactured products. It can also serve as a direct heating or cooling, or auxiliary heating or cooling heat source or cold source.

Product Features

- Latest independently developed temperature control technology, equipped with a high-standard PT100 and all imported electronic components.
- The software system can correct errors between the displayed temperature and the actual temperature, ensuring accurate temperature readings.
- Standard large-screen LCD display, providing a comprehensive view of multiple data points, with a temperature display resolution of up to 0.01℃.
- Over-temperature protection and over-temperature alarm; the over-temperature alarm temperature can be set, and the load can be automatically cut off when the temperature exceeds the limit.
- Timer function; the total operating time of the equipment can be set, and the load will be automatically cut off after the set time.
- Concealed cooling coil design ensures more usable space within the tank.
- Intelligent software ensures strong temperature stability. PID control automatically adjusts parameters to the optimal level for different media, and users can also manually readjust parameters.
- Software digital locking controls all system settings to prevent unauthorized operation and ensure accurate experimental data.
- High-efficiency, fully enclosed compressor cooling provides rapid cooling and multiple protections against overheating and overcurrent.
- Standard internal and external circulation function. The external circulation inlet and outlet pipes have an outer diameter of 10mm, meeting various user needs in different scenarios.
- Non-standard customization is supported.

Main technical specifications

Model	Temperature Range (℃)	Resolution (℃)	Fluctuation (±℃)	External Dimensions	Power (kw)	Volume (L)	Slot Opening (mm)	Slot Depth (mm)	Pump flow (L/min)				
DC-0506-II	-5~160	0.01	0.1~0.2	320*370*675	0.8	6	180*160	150	6				
DC-1006-II	-10~160				0.9								
DC-2006-II	-20~160				1.0								
DC-3006-II	-30~160			320*370*765	1.5								
DC-4006-II	-40~160			400*450*940	2.1								
DC-0510-II	-5~160			320*370*765	1.3					10	180*160	200	6
DC-1010-II	-10~160			65	1.5								

DC-2010-II	-20~160
DC-3010-II	-30~160
DC-4010-II	-40~160
DC-0515-II	-5~160
DC-1015-II	-10~160
DC-2015-II	-20~160
DC-3015-II	-30~160
DC-4015-II	-40~160
DC-0520-II	-5~160
DC-1020-II	-10~160
DC-2020-II	-20~160
DC-3020-II	-30~160
DC-4020-II	-40~160
DC-0530-II	-5~160
DC-1030-II	-10~160
DC-2030-II	-20~160
DC-3030-II	-30~160
DC-4030-II	-40~160

	1.8												
400*450*90	2.0	15	250*160	200	6								
	2.1												
320*370*765	2.1												
	2.2												
	2.3												
400*450*90	2.4												
	450*540*90					2.5							
400*450*1040	2.3					20	250*160	300	6				
	2.4												
	2.5												
	2.6												
450*540*1090	2.7												
450*540*90	2.5									30	330*280	230	13
	2.6												
	2.7												
	2.7												
450*540*1090	3.0												

Optional Accessories:

- Liquid Level Protection System – Forces load shutdown when the liquid level exceeds the limit, protecting users' experiments.
- RS485 Communication Interface – Connects to a computer or other host computer for device control and data viewing via software.
- Multi-Point Correction Function – Simultaneously corrects multiple temperature points to avoid temperature differences caused by sensor linearity errors.
- External PT100 – Enables precise temperature control for external circulation.

- Support – Allows different containers to be placed in the tank without being submerged in the constant-temperature liquid.

FOCUS IN MATERIAL TEST

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