

HST-BS Single-heating high-precision constant temperature bath



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°C.
- 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.

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.

Technical Specifications:

Model	Temperature Range (°C)	Slot Depth (mm)	Volume (L)	Slot Opening (mm ²)	Circulation Method	Fluctuation (±°C)	Resolution (°C)	External Dimensions (mm)
BS-06	RT+10-100	150	6	180*150	Internal circulation	0.005-0.01	0.001	550*380*475
BS-06A	RT+10-200	150	6	180*150		0.005-0.01	0.001	550*380*475

BS-06B	RT+10-300	150	6	180*150		0.005-0.01	0.001	550*380*475
BS-010	RT+10-100	200	10	180*150		0.005-0.01	0.001	550*380*475
BS-010A	RT+10-200	200	10	180*150		0.005-0.01	0.001	550*380*475
BS-010B	RT+10-300	200	10	180*150		0.005-0.01	0.001	550*380*475
BS-015	RT+10-100	200	15	235*180		0.005-0.01	0.001	550*380*475
BS-015A	RT+10-200	200	15	235*180		0.005-0.01	0.001	550*380*475
BS-015B	RT+10-300	200	15	235*180		0.005-0.01	0.001	550*380*475
BS-020	RT+10-100	300	20	235*180		0.005-0.01	0.001	550*380*590
BS-020A	RT+10-200	300	20	235*180		0.005-0.01	0.001	550*380*590
BS-020B	RT+10-300	300	20	235*180		0.005-0.01	0.001	550*380*590
BS-030	RT+10-100	230	30	310*280		0.005-0.01	0.001	650*580*550
BS-030A	RT+10-200	230	30	310*280		0.005-0.01	0.001	650*580*550
BS-030B	RT+10-300	230	30	310*280		0.005-0.01	0.001	650*580*550