

HST-DC-C Programmable temperature controlled low-temperature 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)	Resolution (°C)	Fluctuation (±°C)	External Dimensions	Power (kw)	Volume (L)	Slot Opening (mm)	Slot Depth (mm)	Pump flow rate (L/min)	Heating rate (°C/min)	Cooling rate (°C/min)
DC-0506C	-5~100	0.01	0.05	320*370*675	0.8	6	180*160	150	6	0-1.2	0-0.8
DC-1006C	-10~100		0.05		0.9					0-1.2	0-0.8
DC-2006C	-20~100		0.05		1.0					0-1.2	0-0.8
DC-3006C	-30~100		0.05	320*370*765	1.5					0-1.2	0-0.8
DC-4006C	-40~100		0.05	400*450*940	2.1					0-1.2	0-0.8
DC-0510C	-5~100		0.05	320*370*765	1.3	10	180*160	200	6	0-1.2	0-0.8
DC-1010C	-10~100		0.05		1.5					0-1.2	0-0.8
DC-2010C	-20~100		0.05		1.8					0-1.2	0-0.8
DC-3010C	-30~100		0.05	400*450*940	2.0					0-1.2	0-0.8
DC-4010C	-40~100		0.05		2.1					0-1.2	0-0.8
DC-0515C	-5~100		0.05	320*370*765	2.1	15	250*160	200	6	0-1.2	0-0.8
DC-1015C	-10~100		0.05		2.2					0-1.2	0-0.8
DC-2015C	-20~100		0.05		2.3					0-1.2	0-0.8
DC-3015C	-30~100		0.05		2.4					0-1.2	0-0.8
DC-4015C	-40~100		0.05		2.5					0-1.2	0-0.8

DC-0520C	-5~100		0.05		2.3					0-1.2	0-0.8
DC-1020C	-10~100		0.05		2.4					0-1.2	0-0.8
DC-2020C	-20~100		0.05	400*450*1040	2.5	20	250*160	300	6	0-1.2	0-0.8
DC-3020C	-30~100		0.05		2.6					0-1.2	0-0.8
DC-4020C	-40~100		0.05	450*540*1090	2.7					0-1.2	0-0.8
DC-0530C	-5~100		0.05		2.5					0-1.2	0-0.8
DC-1030C	-10~100		0.05		2.6					0-1.2	0-0.8
DC-2030C	-20~100		0.05	450*540*990	2.7	30	330*280	230	13	0-1.2	0-0.8
DC-3030C	-30~100		0.05		2.7					0-1.2	0-0.8
DC-4030C	-40~100		0.05	450*540*1090	3.0					0-1.2	0-0.8



HST GROUP

Focus In Material Test

HST GROUP Co., LTD.

Jinan Hensgrand Instrument Co., Ltd.



Authentication Certificate of Quality Management Systems

Registration No.19924Q01775R1S

This is to certify that

JINAN HENSGRAND INSTRUMENT CO., LTD.

Unified Social Credit Code: 91370104684680659H

Registered/Office/Production Address: No. 4915, Jingshi
West Road, Huaiyin District, Jinan City, Shandong Province

Is in conformity with:

GB/T 19001-2016/ISO 9001:2015

The certificate is valid for the following scope:

Trial assembly and sales of equipment

This certificate should be used effectively with the legal requirements of the administrative license,
qualification license, compulsory certification, which the certification scope involved.

In the case that the organization regularly receives surveillance assessments,
the certificate shall be valid when used together with the Quick Response Code.

Date of Issue: 2024-12-31
Date of Expiry: 2027-12-30
Date of Initial Certification: 2021-12-31
Date of Change: 2024-12-31


General Manager



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China Standard Huaxin (Beijing)
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Address of Certification Authority: 5 Floor, YuQuan Building, No.3 Shijingshan Road, Shijingshan District, Beijing Tel: 010-88255986 P.C.: 100049
Note: The detailed information is available on the Certification and Accreditation Administration of the People's Republic of China official website
(www.cnca.gov.cn) the authority's website(www.cshcc.cn) and the Quick Response Code on the left.



MACHINERY DIRECTIVE ATTESTATION OF CONFORMITY

Technical file of the company mentioned below has been inspected and audit has been completed successfully.

2006/42/EC Machinery Directive Annex VIII has been taken as references for these processes.

Company Name : **JINAN HENSGRAND INSTRUMENT CO., LTD.**

Company Address : NO.4915, WEST JINGSHI ROAD, JINAN, CHINA

Related Directives and Annex : **2006/42/EC Machinery Directive/Annex VIII**

Related Standards : **EN ISO 12100:2010, EN 60204-1:2018**

Product Name : **TESTING MACHINE**

Report No and Date : TCF-JHIC230128-MD

Product Brand/Model/Type : WDS-1, WDS-2, WDS-3, WDS-5, WDS-10, WDS-20, WDS-30, WDS-50, WDS-100, WDS-200, WDS-300, WDS-500, WDW-1, WDW-2, WDW-3, WDW-5, WDW-10, WDW-20, WDW-30, WDW-50, WDW-100, WDW-200, WDW-300, WDW-500, WDW-600, WDW-1000, WE-300, WE-600, WE-1000, WE-2000, WEW-300, WEW-600, WEW-1000, WEW-2000, WAW-300, WAW-600, WAW-1000, WAW-2000, WAW-3000, WAW-5000, WAW-6000, LAW-1000, JB-300B, JBS-300, JBW-300, JB-500B, JBS-500, JBW-500, JBW-750, CST-50, VU-2Y, VU-1S, DWC-40, DWC-60, DWC-80, DWC-100, DWC-196, YES-2000, YES-300, YAW-1000, YAW-300, YAW-2000, YAW-3000, YAW-5000, NDS-200, NDS-500, NDS-1000, NDS-2000, NDW-200, NDW-500, NDW-1000, NDW-2000, NDW-3000, NDW-5000, NDW-10000, HEZ-3, HEZ-6, HEZ-10, JWJ-10, TLS, TLW, HST-P50, HST-P100, HST-P200, HST-P300, RDJ, NDT, DWTT, GBW-60, GW-50, HST, XNR-400

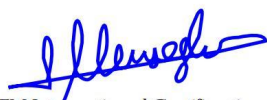
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