



Nahita Blue Vertical Autoclaves

Code ZCK009, ZCK010, ZCK011 - TS Series

Features

Touch screen

7-inch color LCD touch screen with English interface, supporting glove wearing or pen touch sensing operation.

Program storage system

The user can set the program and save it in the system memory.

Saturated steam monitoring

The system automatically monitors the purge out of cold air to ensure the pure steam environment.

Waste program

Special waste program to sterilize the waste thoroughly.

Storage of sterilization data

Built in large capacity memory, can store 999 sterilization process records and can be queried, printed or exported for easy traceability management.

Five levels of access permission

The operation permissions are divided into five levels, with each level of user having an independent password and multiple IDs that can be assigned. Each level of user has limited access to certain usage permissions.

Six levels of steam exhaust speed control

After sterilization, you can choose different exhaust speeds, and you can adjust it freely at any time of exhausting.

Data reading and curve conversion

USB interface for easy reading or storage of sterilization data. Sterilization data can be converted into curves through software for easy data analysis.

Agar melting function

This function allows heat up and melt the agar or can be used as chamber preheating function.

Auto start up appointment

You can make an appointment in 0-15 days.





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Safety

Humanized design

Chamber cover and countertop corners are covered with insulation to avoid getting scalded.

Interlock device

The patented "eight column evenly distributed" interlock device is safer and more reliable than ordinary interlock devices.

Lid closing checking

The autoclave cannot start if lid is not well locked, which is checked mechanically and electrically.

Real time monitoring

The system will monitor the lid locking, pressure and temperature status on a real time basis to guarantee the safe and successful work of the autoclave.

Cooling lock opening temperature

In the programs the user can set different lid opening temperatures, so as to prevent user from opening lid and causing burns when the objects are still at high temperature.

Triple protection for lack of water

The bottom of the sterilization chamber is equipped with three different dry burning protection devices: liquid expansion type, copper temperature sensing type, and electrical type (water level sensor), to avoid misjudgment caused by a single method.

Double protection for over pressure

The mechanical pressure gauge and electrical sensing system, once pressure is abnormal, allow the system to cut power, release the pressure and send out alarm.

Auto troubleshooting

The system will monitor the working status, and will cut power, send out alarm, and report the error information once any abnormal situation is detected.

Safety test function

Regular testing of system security and safety protection measures is possible.

Electrical protection

Autoclave is equipped with a highly sensitive electrical protection system, effectively providing leakage protection, overcurrent and short-circuit protection.





Technical Specifications

Model	TS60	TS85	TS110
Code	ZCK009	ZCK010	ZCK011
Capacity	60 L	85 L	110 L
Dimensions (LxWxH) (mm)	582x735x1060	582x735x1060	582x735x1260
Net weight	106 kg	111 kg	121 kg
Chamber dimensions (ØxH) (mm)	Ø390x505	Ø390x700	Ø390x895
SUS304 Basket (ØxH) (mm)	(Ø370x190) x 2	(Ø370x280) x 2	(Ø370x250) x 3
Rated power	2900 W	4600 W	
Power requirement	220 V ± 10 %, 50/60 Hz, 15 A	220 V ± 10 %, 50/60 Hz, 25 A	
Temperature display accuracy	0.1°C		
Working environment	5°C~40°C, relative humidity < 85%		
Chamber material	SUS304 stainless steel		
Sterilization temperature range	105°C~138°C		
Sterilization time range	1~6000 min		
Melting temperature range	60°C ~ 115°C		
Melting time	1~6000 min		
Warming temperature	45°C ~ 79°C		
Warming time	1~9999 min		
Cooling lock opening temp. range	40°C~99°C for solid, waste, agar, self-defined, 40°C~80°C for liquid*		
Sterilization mode	Liquid, liquid with warming, solid, wrapped instrument, fabric, rubber, fast, waste, agar, self-defined		
Program storage	60 saved programs		
Exhaust speed control	Fully automatic internal discharging with 6 levels choice		
Lid opening way	Flip opening (up and down)		
Water tank	Two water tanks to collect steam		
Appointment timer range	0~15 days (auto start up appointment)		
Pressure gauge range	-0.1~0.5MPa		
Pressure valve set pressure	0.29MPa		
Controller	Microcomputer smart control system		
Safety	'Eight column evenly distributed" interlock device, electric double interlock, lid closing checking, boil-dry protection, safety valve, water level sensor, over temperature/pressure protection, temperature/pressure monitoring, electrical protection (overcurrent/short circuit/leakage), cooling lock function, anti-scald chamber cover and countertop corners, automatic troubleshooting		

* Cooling lock opening temperature is related to local boiling point



Accessories

- Floating PT100 sensor – Code ZCM020
- Digital pressure sensor – Code ZCM021
- Printer – Code ZCM022