



VERTICAL AUTOCLAVE

AUT033-050



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Warning: To ensure the safe and correct use of the equipment, please read the instructions carefully and follow the instructions. If not used in the method specified by the manufacturer, it may damage the protection provided by the equipment.

1. Preface

Welcome to use our vertical steam sterilizer (hereinafter referred to as sterilizer or machine or equipment).

This manual describes the operation steps of the equipment. In order to ensure the correct use of the equipment, please read this manual carefully before using it.

Users in any situation in use, can ask the company, we will provide you with enthusiastic service.

The Company undertakes that, if necessary, our company or our authorized maintenance personnel can provide the user with the information required for the sterilizer maintenance.

2. Safety Instruction

- (1) Please read this manual carefully before use, and understand all warnings and attention requirements. The user must check the safety performance of the sterilizer to ensure that the sterilizer is in good working condition before use.
- (2) The sterilizer shall be used in accordance with the applicable scope, use and method and precautions specified in this specification. Otherwise, it may damage the protection provided by the sterilizer, or cause the sterilization failure.
- (3) The equipment is supplied with some safety protection to prevent operator injury and equipment damage. The operator should understand these regulations before starting the operation.
- (4) Requirements for operators: operators must pass the equipment performance characteristics, working principle and field operation (use) knowledge training, and have a certain knowledge of sterilization process, have carefully read and understand the content of this manual before operation, have the ability to operate before operation.
- (5) This equipment is a class pressure vessel, following the national regulations; to ensure the safe and correct use of the equipment, the responsible person shall be determined.
- (6) In the design and manufacturing process, we have fully considered the use safety of the product, but the operator still can not be ignored, in the use of the equipment should often check and observation of the working state.
- (7) The connection between the network power supply and the power supply shall meet the relevant requirements of the national electrical safety standards. When the grid voltage fluctuates by more than 10%, the equipment may not work properly.
- (8) The equipment meets the requirements of GB / T 18268.1-2010. The user is advised to evaluate the electromagnetic environment before use to ensure that the sterilizer works properly.
- (9) The equipment meets the relevant safety requirements of GB 4793.1-2007 and GB 4793.4-2007.
- (10) Safety valves and other instruments should be regularly identified in accordance with the relevant national regulations.
- (11) Before installing the fuse or conducting electrical maintenance, we must first cut off the equipment and cut off the total power supply.

- (12) In order to ensure safe use and avoid electric shock damage, ensure that the equipment is well grounded. Please do not change the internal or external grounding protection wire or remove the wiring of the grounding protection jokes. Otherwise, the protection function of the equipment will be invalid and the electric shock danger will occur.
- (13) In use, you should pay attention to and stay away from the ironing area of the equipment to avoid scalding.
- (14) When the equipment fails, the main power supply of the equipment should be disconnected immediately, and the main power supply should be connected after the fault is removed.
- (15) Various accessories of equipment and equipment shall be used within the specified service life period, and overdue use may bring certain safety risks. Therefore, its safety should be checked especially before each use, and it should be replaced in time when necessary.
- (16) If there is interference in the power grid when using the equipment, there may be a white screen. Users with the problem can be equipped with a voltage regulator, which can solve the above problems.

3. Brief Introduction

The vertical steam sterilizer produced by the company is used to sterilize medical devices, dressings, liquid medicine and glassware. It has the advantages of novel and beautiful shape, reasonable structure, complete function, rapid heating and thorough sterilization.

Product intended use: for clinical institutions of medical devices, dressings, glassware, solution medium by steam method for disinfection and sterilization.

Product taboo: No.

Location of use: health institution, operating room, laboratory, etc.

Applicable population: staff of medical and health care units.

4. Structural Features

1. Vertical steam sterilizer is mainly composed of shell, sterilization chamber, steam generator, pipeline system and control system.
2. The shape is a square vertical structure, the sterilizer shell, sterilization room, sterilization net basket is made of stainless steel material. The sterilization room (pressure vessel) and its safety accessories shall comply with the GB 150, the Special Equipment Safety Supervision Regulations and the national legal pressure vessel regulations, and there shall be the product nameplate registered by the legal pressure vessel safety supervision agency.
3. Equipped with a safety valve. When the pressure in the vessel exceeds 0.24MPa, the safety valve can automatically release excessive pressure, which is safe and reliable.
4. In the process of heating and heating, the exhaust valve will open and automatically discharge cold air. When the temperature exceeds 102°C, the exhaust valve will automatically close, and then switch to the automatic intermittent vent function to improve the steam saturation in the container and have a better sterilization effect.
5. The operation panel is equipped with LCD screen, with pressure, temperature, time, process instructions, and clear observation.
6. The container has the function of automatic protection. When there is no water in the container, the program cannot be started to effectively protect the equipment.

5. Technical Parameters

NO	Model	Volum e L	Nominal working pressure	Rated sterilization working temperature	Adjustment range of the sterilization time	power kW
2	AUT033-050	50±5	0.22Mpa	134°C	4-9999min	3.0

Table 1

1. Use of the power supply: a.c.220V \pm 22V , 60Hz \pm 1Hz.
2. Working pressure: 0.22MPa; working temperature: 115°C ~134°C.
3. In normal operation during normal sterilization cycle, the noise shall not be greater than 65dB.
4. Set the sterilization time range: 4~9999 minutes; set the drying time range: 0~999 minutes.
5. Equipment safety category: Class I.
6. Ambient temperature: + 5°C ~ + 40°C; relative humidity: not more than 85%; atmospheric pressure: 70 Kpa ~ 106 Kpa.
7. The water source used by the sterilizer shall not affect the sterilization process, or damage the sterilizer or sterilization material.

6. Installation Requirements

1. Please read this manual carefully before use.
2. The equipment is class I according to electric shock protection, and there should be no flammable and explosive anesthetic gas and articles in the installation site.
3. The sterilizer power supply and the network power supply are permanently connected, the user must be 60 cm from the building, the height is more than 1.2 meters, the device circuit breaker (should meet the requirements of GB 14048.1 and GB 14048.3 standards) as the disconnection device of the sterilizer power supply, and make an obvious break mark (such as the sterilizer special). The power line should be fixed on the building before connecting to the circuit breaker to avoid falling off. The connection diameter with the network power supply is 2.5mm² 3, L is fire line, N is zero line, and yellow and green double color G is protection grounding. After the work ends, close the circuit breaker.
4. The ground of the equipment must be flat and firm. Users shall connect the equipment to the specified power supply according to the specified circuit wiring diagram, and the equipment shall be reliably grounded (grounding resistance shall not exceed 2 Ω).
5. The drainage end of the drainage pipe should not go out into the water to prevent the water from pouring into the sterilizer bucket.

7. Use Method

The operator of the sterilizer must be professionally trained, familiar with the operating essentials of the pressure vessel and operate in strict accordance with the operating instructions.

During the working process of sterilizer, professional personnel should keep the operation record to prevent accidents or accidents.

The safety valve of the sterilizer shall be sent to the inspection institution for testing at least once a year, and it can only be used again.

Danger:

Do not place combustible substances: do not put into or near the following substances specified in Item 1 of the Schedule: (explosive, flammable, oxidative, ignition, combustible substances) otherwise cause injury, fire or malfunction due to the explosion.

pay attention to:

- Do not put corrosive stainless steel substances: do not put corrosive stainless steel medium into this product. Otherwise, the injury, fire or failure will result due to the explosion.
- Do not touch the power switch and circuit breaker with wet hands to avoid electric shock and accidents.
- The container cover of the sterilizer is at high temperature in working condition and is prohibited.
- "Gas is not exhausted, do not open": after the sterilization of the sterilizer, when the pressure gauge does not open the zero, otherwise it is easy to cause high temperature steam burns.

7.1 Symbols and meanings of relevant safety requirements in this machine





symbol	meaning	symbol	meaning
~	alternating current (AC)		pay attention to! Consult the file
	Be careful to burn		protective ground
	Test interface		

Table 2

7.2 Operation steps



1. Prepare

1.1 Open the sterilizer cover

1.2 Connect the power supply of the sterilizer

1.3 Connect the water inlet pipe to the water inlet and the other end to the water source.

1.4 Turn on the power, press switch "I" to power up, display the welcome screen and skip.

---This icon  appears, when the door is closed. and "  "is not closed.

2. Program selection and parameter setting

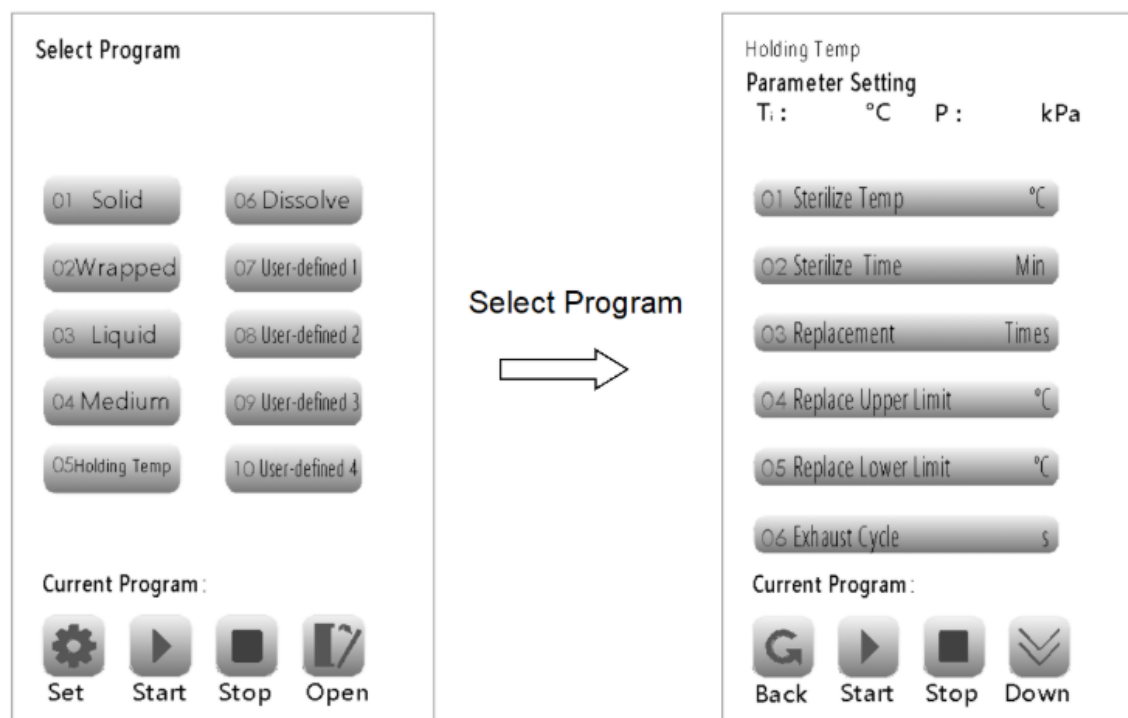


Figure 1

Note: The parameters have been changed according to the corresponding program differences before delivery (users are not recommended to set them by themselves). If the user needs, you can choose "custom program" (the parameters in this program are user-adjustable, please consult the manufacturer to confirm the feasibility of the parameters before adjustment).



Figure 2

3. Start-up and stop of the program

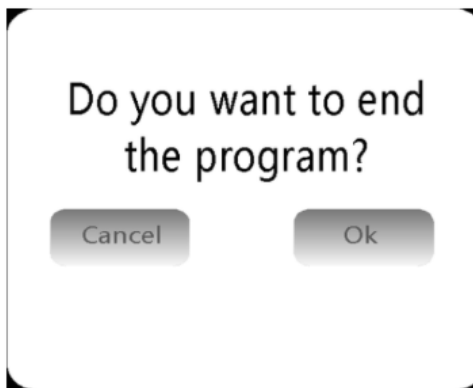
After checking again whether the water source access is reliable, you can touch



" " to start the selected program. (without selection, the system will start the default current program).



dialog box appears



quit the procedure midway after confirming it again

Figure 3

This equipment is automatic water inlet type. Press the start button to start water supply. (to ensure reliable water connection).

After the sterilization ends, the printer prints automatically. If you need to save the sterilization process parameters, insert the U disk before the program ends.

4. System parameter setting (not recommended to be set by users)

pay attention to:

Sterilization temperature correction is related to the working performance of the equipment, and users do not change or set it easily

If it is really necessary for the user to adjust the parameters, you can enter the administrator interface and follow the following steps to adjust them.



Touch " " and enter the password "5566" to enter the system parameter.

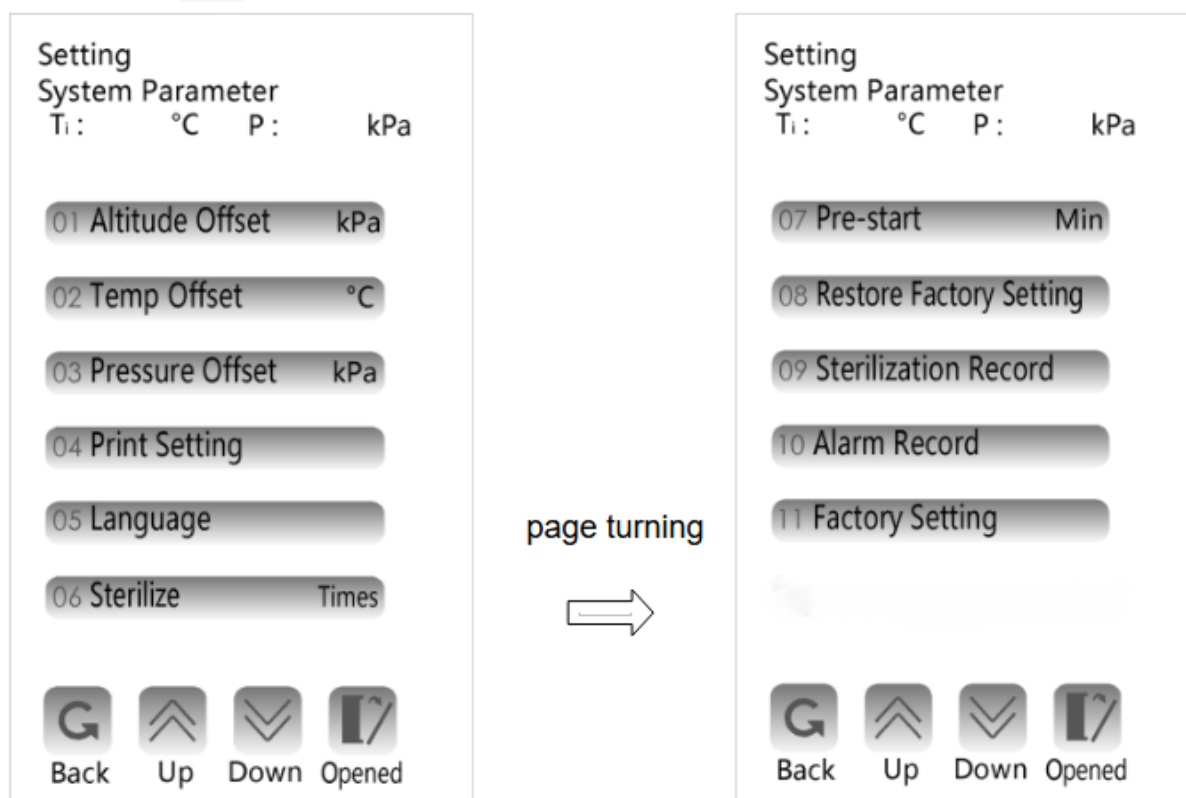


Figure 4

Note:

Plateau compensation: ($\pm 90^{\circ}\text{C}$)

Temperature compensation: ($\pm 10^{\circ}\text{C}$)

Internal compartment pressure compensation: ($\pm 30 \text{ Kpa}$)

5. Use of the kettle:

- a. The X-type vertical sterilizer is designed for internal circulation, and the exhaust steam is not directly released into the air. All exhaust Steam will cool and go into the waste bucket.
- b. When it is observed that the kettle liquid level reaches the high liquid level, stop using it, propose the kettle and pull out the silicone plug and silicone tube of the kettle Mouth. move to the designated sewage place and empty it.

7.3 Preparation of the devices

A, pile up

- (1) Turn the hand wheel several times counterclockwise (pay attention to the hands), until turn to the top, make the sterilizer cover fully lift, push the beam to the right to remove the sterilizer cover. Remove the sterilization tube or basket.
- (2) This product is for automatic water filling.(The required distilled water source will be directly connected to the water inlet).
- (3) The articles to be disinfected should be properly bandaged and placed into the sterilization inner cylinder in order, with a gap between each other. This is conducive to steam penetration and improve the sterilization effect. When stacking the sterilization bag, attention should be paid to leave the gap of the safety valve vent, otherwise the pressure cannot be released due to the blockage of the safety valve

vent, resulting in unnecessary personal equipment accidents.

B. Power Turn on the power supply consistent with the sterilizer sign, press the switch on the control panel to "I", and light up the screen.

C. Function sets The user to set the required sterilization temperature and time according to the required keys of different sterilization items.(See operation panel description) 【The sterilization temperature and sterilization time of different articles shall refer to the Disinfection Technical Specification of the Ministry of Health.】

D. Seal Push the beam to the left column, turn the hand wheel clockwise, so that the sterilizer cover and the lower flange are pressed tightly, and both hands apply force to make it fully close. (When the LCD screen is closed at the door, it should continue to rotate until it is fully closed, and the following operations can be performed at this time.)

E. Rising temperature. Press the start key.

F. Sterilization. When the sterilization temperature rises to the temperature set, start sterilization.

G. Steam exhaust (this method is strictly prohibited when sterilizing the liquid). After sterilization, automatic steam exhaust begins.(Liquid sterilization default does not exhaust)

H. Drainage Type X vertical sterilizer is designed for internal circulation, and the exhaust steam will not be directly released into the air. All exhaust steam will be cooled back down to the kettle.

I. Drying After sterilization, automatic drying begins.

J. End Panel display window shows the "end" with a prompt tone, indicating the end. Open the cover and remove the items (please wear protective gloves for removal. As the temperature drops, please be careful when removing it. After the operation, touching directly with the hand may cause burns) a sterilization cycle is over.

Remarks:

- 1、 During the operation procedure, if an alarm sound appears and a warning symbol is displayed, (see the common fault code of this manual), an error occurs.
- 2、 If the selection setting is wrong after operation, you can press the stop button or turn off the power supply and interrupt the program.
- 3、 If the error code appears in the upper left corner of the screen, cancel the error code at the code.(The error code cannot be canceled until the pressure drops to ± 5 Kpa.)
- 4、 The evaporator water level float ball is cleaned regularly.

7.4 Pay attention and maintenance

Note: 1. Please ensure the electromagnetic compatibility environment to make the equipment work properly before use. 2. It is recommended to evaluate EMC before using the equipment to ensure that the instrument works properly. 3. It is forbidden to use the instrument near the strong radiation source, otherwise it may interfere with the normal operation of the instrument.

This product will not produce strong electromagnetic waves during operation, but in order to ensure the normal use of other medical devices, try to avoid the simultaneous use with other highly sensitive instruments and equipment, so as to avoid the interference of electromagnetic sources.

1. When stacking sterilized items (completely open the top cover), the basket should be placed in the center of the bucket (the basket and the basket should be concentric and stacked up and down). It is strictly prohibited to block the vent of the safety valve, and space must be left to ensure the equipment smooth ventilation, otherwise the safety valve can not work due to the blockage of the outlet hole,

causing accidents.

2. When the sterilizer continues to work, during the new sterilization operation, should leave 5 minutes of time, and open the top cover to let the equipment have time to cool.

3. When running the "liquid sterilization" program, the liquid tank should be installed in a hard heat-resistant glass bottle, with no more than 3 / 4 of the volume, choose cotton yarn plug at the bottle mouth, do not use unperforated rubber or cork.

Special attention: the steam should not be released immediately at the end of the sterilization liquid, and the residual gas must not be discharged until the pressure gauge pointer is returned to the zero position.

4. When only the beakers, flasks, test tubes and other containers are sterilized, the opening must be placed either down or horizontally. When the opening is placed up, it is not only difficult to deflate, but also not easy to penetrate the steam into its interior, so as to lead to the appearance of poor sterilization effect.

5. For different types of sterilization requirements, such as dressings and liquids, do not put them together to sterilize, so as to avoid losses.

6. Confirmation of sterilization performance: the sterilization performance varies due to the type, quantity, placement method and container type of the sterilized material, so please use the sterilization indicator of OK card for confirmation. Otherwise, it will lead to accidents or poor sterilization effect.

7. Do not keep the sterilized articles in this product: this product does not have the retention function of the sterilized articles. In order to avoid further contamination, after the culture medium and appliances are sterilized, please remove it immediately and put it in a special safe for storage.

8. At the end of sterilization (or in fault cases), the pressure must return to zero or the power off. Make the outside air enter the sterilizer, after the vacuum is eliminated, the container cover can be opened (do not make the face close to the cover), after the cover is completely opened, pay attention to the burn .(Wear protective gloves for removal. As the liquid temperature drops that need much time, please be careful when removing it. After the operation, touching it directly with your hand may cause burns.)

9. Apply the beam rod with high temperature grease every six months.

10. Equipment should be kept clean and dry at peacetime. The rubber sealing gasket will age after time, and should be replaced regularly (12 months recommended).

11. In use, when the pressure indicator exceeds 0.24MPa, the safety valve does not start, and the power supply should be immediately cut off. After 10 minutes, manually open the safety valve (lift the safety valve cap up). After the complete steam release in the sterilizer, the container cover can be opened and the safety valve can be replaced in time.

12. When the troubleshooting needs to replace the components, there must be professional trained qualified personnel or personnel sent by the factory. The power circuit breaker is disconnected, put the residual gas in the container, the pressure gauge pointer can be carried out, the safety valve for inspection at least once a year. The handle on the safety valve spool should be lifted and put down several times a week to prevent the scaling and air leakage of the valve spool.

13. Do not transform and use: except for maintenance technicians, do not decompose or repair without authorization. Otherwise, the injury will occur due to the fire or the abnormal operation.

14. Cleaning (monthly cleaning is recommended): empty the water in the container and cut off the power circuit breaker. After the container is cooled, the shelf and net basket are removed from the container, attach to the inner wall with a brush, and then dip a towel in alcohol or distilled water, wipe the inner surface, and after dry, put the shelf and net basket in turn. Store in a well-ventilated room free of corrosive gas.

15. The interlocking device of door cover is composed of self-locking device and gating switch. In daily use, the locking tongue of the self-locking device should be kept flexible (it is recommended to check quarterly). Before the pressure in the container is released to the zero position, otherwise the self-locking device will be damaged. The door control switch should keep the contact flexible up and down. When the

contact is rolled and the indicator icon is not working properly, it should be repaired in time.

16. Non-operators shall not use sterilizer: scald, electric shock or injury. 17. Do not open the drain valve during the operation of the equipment. You should wait for more than 2 hours after the sterilization process, and then drain the water only when the lid is opened. Otherwise, it will cause burns or accidents due to the hot water. 18. Replacement of fuse: When the power cord of the sterilizer is connected to the power supply and the power indicator is not on, break the circuit breaker, open the back cover of the sterilizer with a cross screwdriver, and check whether the fuse (specification model R015,1038,32A) is damaged, and replace it immediately.

19. Before movement or transportation or storage, empty the water in the container, seal the sterilizer cover, cut off the circuit breaker, and remove the power line. Push the sterilizer when moving (please remove the caster lock state first); during transportation and storage (fix the sterilizer in the packing box) to prevent loosening and abrasion during transportation. Avoid turning over, resulting in injury or accidents.

20. Transportation and storage environmental conditions: Ambient temperature: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$ Relative humidity range: 10%~80% atmospheric pressure range: 500 hPa ~ 1060 hPa. 21. At the end of their service life (8 years) (see the product body label on the production date), the product and its attachments shall be voluntarily submitted to the units or individuals with corresponding qualifications for recycling and treatment.

22. Wiring diagram:

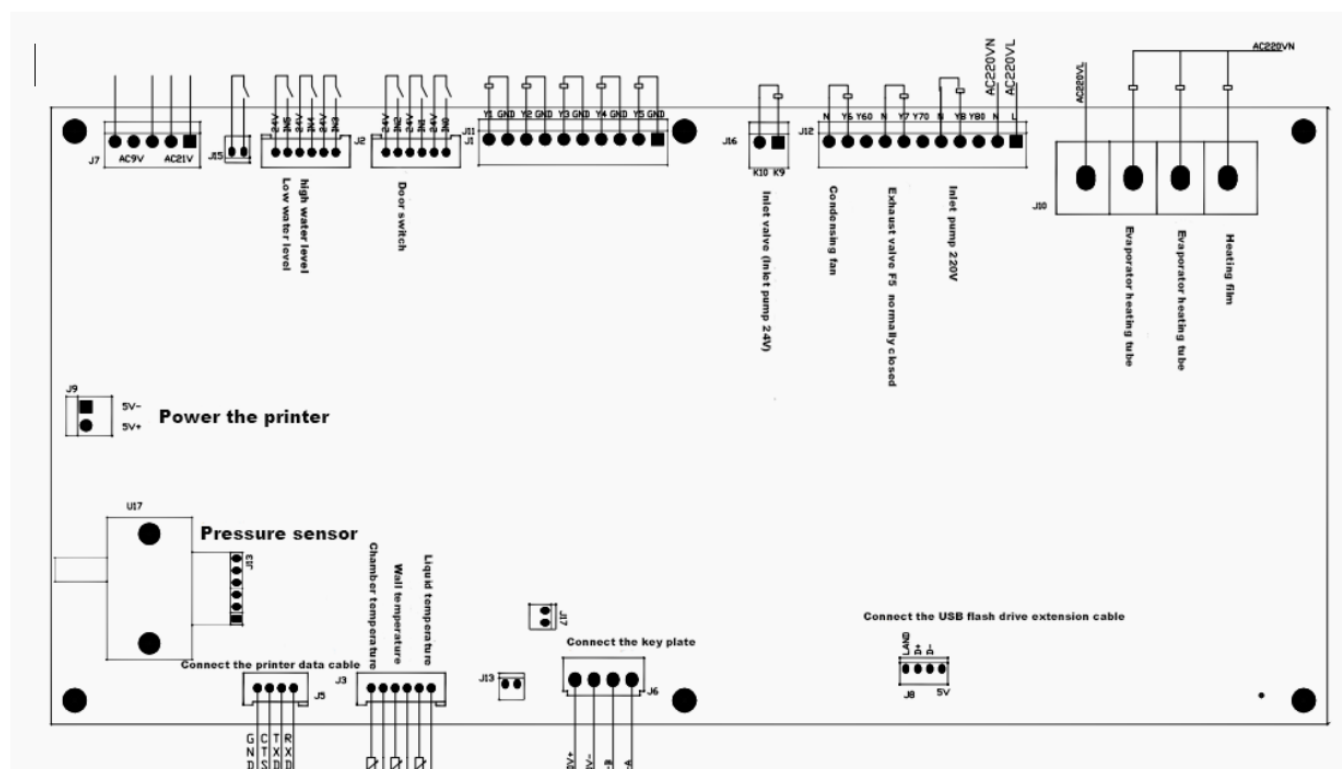


Figure 5

If necessary, we can provide the circuit diagram and the necessary information for repair. If there is any difficult problem in the maintenance of electrical lines, we can contact our company.

23. Pipe line diagram:

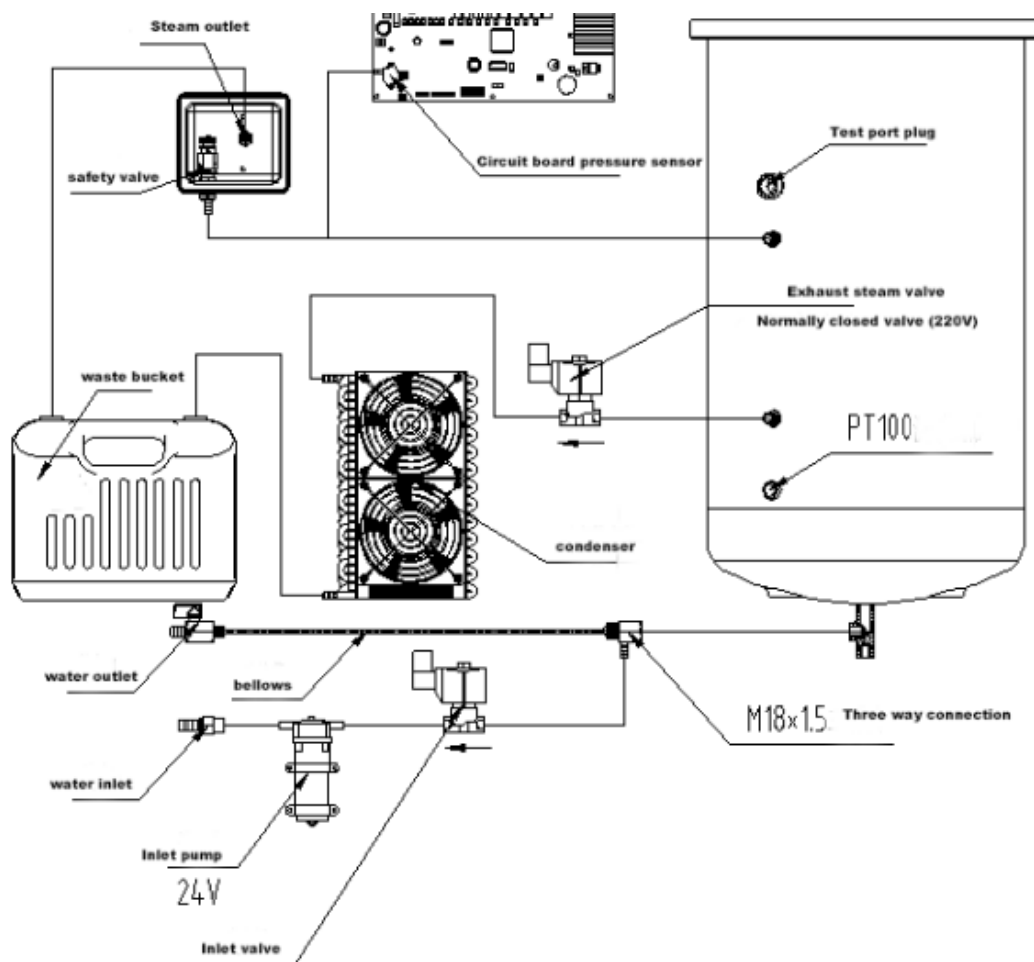


Figure 6

The pipeline diagram is for reference only. If you have any questions during maintenance, you can contact our company.

7.5 Common fault code

No.	fault phenomenon	Analysis of causes	The exclusion method
1	E002	Sterilization outdoor wall temperature sensor fault (short circuit: display 0, open circuit: display 250.0)	Check the sensor wiring Replace the outer wall sensor
2	E003	Sterilization chamber chamber temperature sensor fault (short circuit: display 0, open circuit: display 250.0)	A. Check the sensor wiring arrangement B, replace the inner chamber sensor
3	E004	Heating timeout (preset time: 60 minutes)	Replace evaporator or intake valve (replaced by professionals)
4	E005	Pressure failure (over-preset time: 30 minutes)	Replace evaporator or intake valve (replaced by professionals)

5	E006	Door closure position open (program run)	Check the door closing switch wiring
6	E009	Failure to sterilization (less than 160 KPA at 134 degrees, less than 70 KPA at 121 degrees)	Check the container seal Contact professionals for investigation
7	E010	Pressure is over 230 KPa	Check whether the exhaust steam valve works normally Contact professionals for investigation
8	E014	Accidental power failure during the work process	Cancel the alarm code after restart
9	E015	The work process is artificially interrupted	Touch the alarm code to cancel after the alarm sound
10	E016	Sterilization indoor pressure sensor failure	Investigation is conducted by professionals
11	E017	Fail to enter water	A. Whether the water pump works normally. B. Contact professionals for investigation
12	E019	Water level failure	Check whether the water level float ball is normal and whether it needs to be cleaned up
13	E020	Communication failure	Check the line

Table 3

Loading list:

NO.	name	quantity	remarks
1	Vertical steam sterilizer	1	
2	Product instructions for use	1	
3	Product qualification certificate	1	
5	a basket with netting on top	2	
6	water inlet	1	2m
7	drain-pipe	1	2m
8	Water inlet filter	1	

Table 4

6. Electromagnetic compatibility requirements

Table 201

Group B

Guide and the manufacturer's statement of — electromagnetic emission		
The vertical steam sterilizer is intended for use in the following specified electromagnetic environment, and the purchaser or user shall guarantee its use in such electromagnetic environment:		
launching test	compliance	Guide for the electromagnetic environment —

The RF emission of GB4824	Group 1	The vertical steam sterilizer uses RF energy only for its internal functions. So its radio frequency emission is very low, and there is little chance of interfering with nearby electronic devices
The RF emission of GB4824	B class	The vertical steam sterilizer is suitable for use in all facilities, including household facilities and direct connection to the domestic residential public low-voltage power supply grid
The harmonic emission occurs at GB17625.1	A class	
Voltage fluctuation, flicker emission GB17625.2	accord with	

Table 5
Table 202

Guide and manufacturer's statement —— electromagnetic immunity			
The vertical steam sterilizer is intended for use in the following specified electromagnetic environment, and the purchaser or user shall guarantee its use in such electromagnetic environment:			
immunity test	IEC60601 Test level	In line with the level	Guide for the electromagnetic environment ——
electrostatic discharge GB/T17626.2	± 4kV, contact discharge ± 4kV, with an air discharge	± 4kV, contact discharge ± 4kV, with an air discharge	The ground shall be wood, concrete or tile, and at least the relative humidity shall be 30%
Electric fast transient pulse group GB / T17626.4	± 2kV, to the power cord ± 1kV for the input / output lines	± 2kV, to the power cord not applicable	Grid power shall be of quality used in typical commercial or hospital settings
surge GB/T17626.5	± 0.5kV line to line The ± 1kV line faces the ground	± 0.5kV line to line The ± 1kV line faces the ground	Grid power shall be of quality used in typical commercial or hospital settings
Temporary voltage drop on the power supply input line, short-time interruption and voltage change GB/T17626.11	< 5%UT, For 0.5 weeks (In UTUp 95%) 40% UTFor 5 weeks (In UTUp, 60% down) 70% UT, And continued for 25 weeks (In UTUp, 30% down) < 5% UTFor 5s (In UTUp 95%)	< 5% UT, For 0.5 weeks (In UTUp 95%) 40% UTFor 5 weeks (In UTUp, 60% down) 70% UT, And continued for 25 weeks (In UTUp, 30% down) < 5% UTFor 5s (In UTUp 95%)	Grid power shall be of quality used in typical commercial or hospital settings. If the user of the vertical steam sterilizer requires continuous operation during power interruption, it is recommended to use uninterruptible power supply or battery supply

Power frequency magnetic field 50Hz GB/T17626.8	3A/m	3A/m	The power frequency magnetic field shall have horizontal characteristics in a typical commercial or hospital setting
Note 1: UTR refers to the AC power grid voltage before applying the test voltage			

Table 6

Table 204

Guide and manufacturer's statement — electromagnetic immunity			
The vertical steam sterilizer is intended for use in the electromagnetic environment specified below, and the purchaser or user shall guarantee that it is used in such electromagnetic environment.			
immunity test	IEC60601 Test level	In line with the level	Electromagnetic environment- - Guide
RF conduction GB/17626.6 radio-frequency radiation GB/17626.3	3V (valid value) 150kHz ~ 80MHz 3V/m 80MHz ~2.5GHz	3V (valid value) 3V/m	<p>Portable and mobile RF communication equipment shall not be closer to any part of the vertical steam sterilizer (including cables) than the recommended isolation distance, which shall be calculated using a formula corresponding to the frequency of the transmitter.</p> <p>Recommended isolation distance $d = 1.2 \sqrt{P}$ Error! No reference source was found.</p> <p>D. $d = 1.2 \sqrt{P}$ error! No reference source was found. 80MHz ~800MHz</p> <p>D. $d = 2.3 \sqrt{P}$ error! No reference source was found. 800MHz ~2.5GHz</p> <p>Where: P-maximum output of the transmitter provided by the transmitter manufacturer in watts (W)</p> <p>Recommended d- -recommended isolation distance in meters (m)</p> <p>The field strength of the fixed RF transmitter, as determined by the survey of the electromagnetic field *, should be lower than the coincidence level at each frequency range *.</p> <p>Interference may occur near the equipment marking the following symbols.</p>
<p>Note 1: at 80 MHz and 800 MHz.</p> <p>Note 2: These guidelines may not be suitable for all situations. Electromagnetic propagation is influenced by the absorption and reflection of buildings, objects and human bodies.</p>			

* The field strength of stationary transmitters, such as: radio, telephone and terrestrial mobile radio base stations, amateur radio, amplitude and FM radio broadcasting, and television broadcasting, cannot be accurately predicted in theory. In order to evaluate the electromagnetic environment of the fixed RF transmitter, the survey of the electromagnetic field should be considered. If the field strength of the site where the vertical steam sterilizer is located is measured to be higher than the above RF compliance level, the vertical steam sterilizer shall be observed to verify its normal operation. If abnormal performance is observed, supplementary measures may be necessary, such as readjust the orientation or position of the vertical steam sterilizer.

* In the entire frequency range from 150 kHz to 80 MHz, the field strength should be below 3V / m.

Table 7

Table 206

Recommended isolation distance between a portable and mobile RF communication equipment and a vertical steam sterilizer			
The vertical steam sterilizer is intended to be used in an electromagnetic environment with controlled RF radiation harassment. Depending on the maximum output power of the communication equipment, the buyer or user of the vertical steam sterilizer may prevent electromagnetic interference by maintaining the minimum distance between the portable and mobile RF communication equipment (transmitter) and the vertical steam sterilizer			
Maximum rated output power of the transmitter W	Corresponding to the interval distance / m for the different frequencies of the transmitter		
	150kHz ~80MHz D. d =1.2 error! No reference source was found.	80MHz ~800MHz D. d =1.2 error! No reference source was found.	800MHz ~2.5GHz D. d =2.3 error! No reference source was found.
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	1.2	1.2	23
For the maximum rated output power of the transmitter not listed in the above table, the recommended isolation distance d, measured in m (m), can be determined by the formula in the frequency bar of the corresponding transmitter, where P is the maximum rated output power of the transmitter provided by the transmitter manufacturer, measured in watts (W).			
Note 1: At 80 MHz and 800 MHz frequencies.			
Note 2: These guidelines may not be suitable for all situations. Electromagnetic propagation is influenced by the absorption and reflection of buildings, objects and human bodies.			

Table 8

This product will not produce strong electromagnetic waves during operation, but in order to ensure the normal use of other medical devices, try to avoid the simultaneous use with other highly sensitive instruments and equipment, so as to avoid the interference of electromagnetic sources.



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