OPERATING MANUAL



DISPENSING BOOTH

BAIP-101 BAIP-103 BAIP-105

CE ISO9001 CERTIFIED

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1. Unpacking, Installation and Commissioning

Please check whether the outer box is intact, if not, please take pictures.

1.1 Unpacking

Program 1. Disassembled with a wrench



Figure 1

Program 2. Disassembled with an electric drill



Figure 2

Quick unpacking diagram(Remove the screws, as are shown below, and then take the wooden box to the left.)

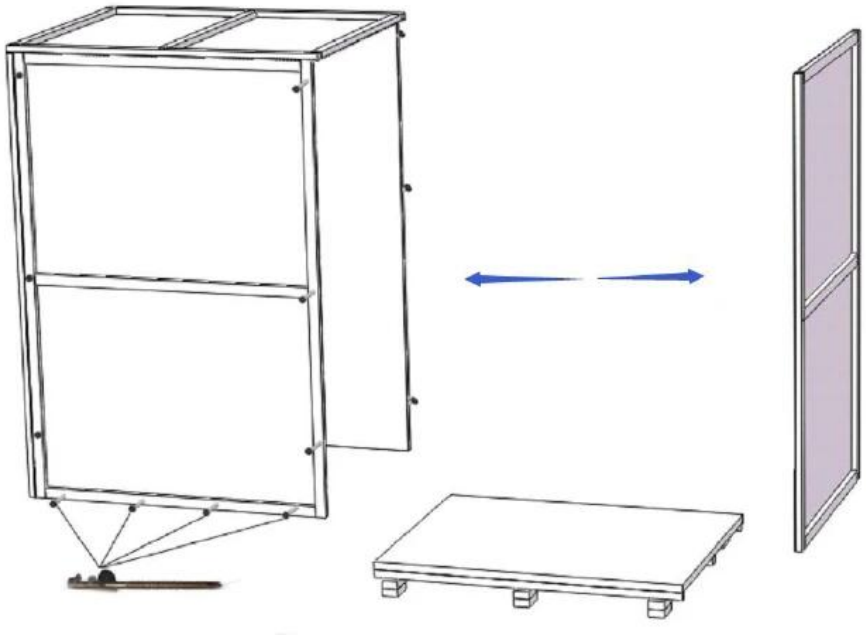


Figure 3

1.2 Accessories Check

Please refer to the packing list, carefully check whether the accessories and information are complete.

BAIP-101 Packing List

	Item	Quantity	Position
1	Main Body	1pc	Wooden Package
2	Power Cord	1pc	
3	Fuse (5A)	1pc	
4	Fuse (10A)	1pc	
5	UV Lamp (T8 30W)	1pc	
6	Anti-static Curtain	1set	
7	User Manual	1copy	
8	Test Report	1copy	
9	Quality Certification Card	1pc	
10	Warranty Card	1pc	

Table 1

BAIP-103 Packing List

	Item	Quantity	Position

1	Rear Cabinet, Left and Right Side Panels	1pc	Wooden Package 1 Accessory Box
2	Power Cord	1pc	
3	Fuse(5A)	1pc	
4	Fuse(10A)	1pc	
5	UV Lamp(T8 40W)	1pc	
6	User Manual	1copy	
7	Test Report	1 copy	
8	Quality Certification Card	1pc	
9	Warranty Card	1pc	
10	304 Cross Recessed Pocket Hexagon Head Combination Screw with Flat Gasket and Spring Gasket M4 * 30	12 sets	
11	Hexagon Socket Head Cap Screws M10 * 25	8 sets	
12	Stainless Steel Nut M10	14 sets	
13	Flat Gasket 10+Spring Gasket 10	22 groups	
14	Large Flat Gasket 10	9 pcs	
15	Transparent Glue	1pc	
16	Inner Hexagon Wrench(S=8mm)	1pc	
17	Upper Front Cabinet	1pc	Wooden Package 2
18	Anti-static Curtain	1set	
19	Homogeneous Flow Film	3pcs	
20	Upper Rear Cabinet	1pc	Wooden Package 3

Table 2

BAIP-105 Packing List

	Item	Quantity	Position

1	Rear Cabinet, Left and Right Side Panels	1pc	Wooden Package 1 Accessory Box
2	Power Cord	1pc	
3	Fuse(5A)	1pc	
4	Fuse(10A)	1pc	
5	UV Lamp(T8 30W)	2pcs	
6	User Manual	1copy	
7	Test Report	1 copy	
8	Quality Certification Card	1pc	
9	Warranty Card	1pc	
10	304 Cross Recessed Pocket Hexagon Head Combination Screw with Flat Gasket and Spring Gasket M4 * 30	12 sets	
11	Hexagon Socket Head Cap Screws M10 * 25	8 sets	
12	Stainless Steel Nut M10	14 sets	
13	Flat Gasket 10+Spring Gasket 10	22 groups	
14	Large Flat Gasket 10	9 pcs	
15	Transparent Glue	1pc	
16	Inner Hexagon Wrench(S=8mm)	1pc	
17	Upper Front Cabinet	1pc	Wooden Package 2
18	Anti-static Curtain	1set	
19	Homogeneous Flow Film	3pcs	
20	Upper Rear Cabinet	1pc	Wooden Package 3

Table 3

1.3 Precautions before Installation

Please note the following points:

• Please choose the ground, wall structure which can withstand the weight of the equipment, the plane of the installation site should be flat.

• The equipment is prohibited to use in the following places: dust, oil mist, chemical corrosion and other harsh places.

• Dispensing booth should be without explosion-proof device, flammable, explosive items are prohibited to be placed into the cabinet for weighing.

• To rinse with water is prohibited, so as not to damage the electrical components of the equipment or cause personal injury. Alcohol, stainless steel cleaner can be used to clean the equipment regularly.

• The dispensing booth should be placed in a well ventilated room.

1.4 Machine Installation Placement and Use Environment

Installation Position
Installation position of dispensing booth should be avoided to face road and sites people frequently go through, avoided to clog windows and places where ventilation and lighting are not good, avoided to block the entrance and exit and place where the open or close of the door is affected ,and avoided to place oppositely or in the corner of the wall.
At least 400mm must be left in each side of the dispensing booth for the purpose of installation and check.
Use ambient:
(1) For indoor use only;
(2) Ambient temperature:15°C~35°C;
(3) Relative humidity:≤75%;
(4) Atmospheric pressure range:70 kPa~106 kPa;
(5) Power requirement:The voltage required by the power are the same with the rated voltage required by the technical parameters;
(6) Use a multimeter to test the voltage of the live line to ground and the voltage of the null line to ground respectively, among which, the voltage of the live line to ground should be the grid power, and the voltage of the null line to ground should be 0, otherwise, the power is not grounded well).

1.5 Installation

a) Remove all packaging components
b) Check whether the outer surface of the host has scratches, deformations or foreign objects;
c) Check carefully the accessories and information by referring to the packing list in the operating manual;
d) Move the entire equipment to a site which is as close as possible to the position where the equipment is placed finally and convenient for installation;
e) Field installation (take BAIP-105 dispensing booth as an example).
Method and steps for connecting the rear cabinet with the left and right side panels are as follows:

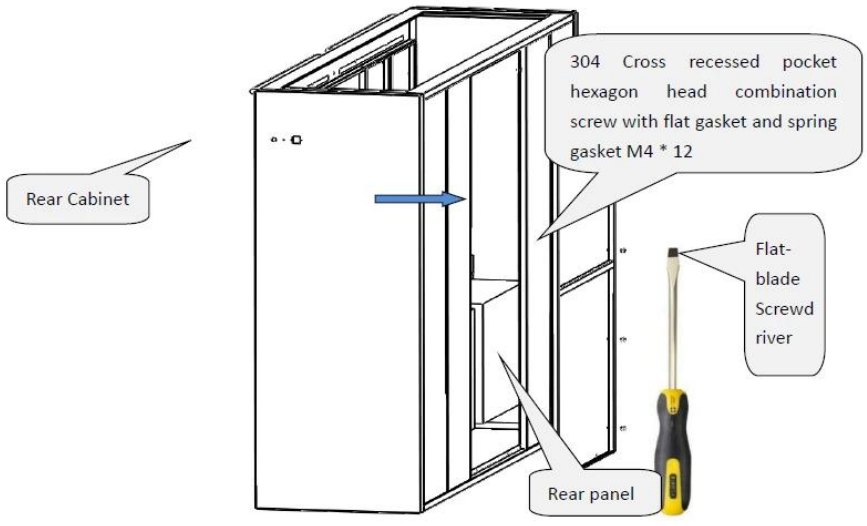


Figure 4

Place the rear cabinet in a suitable position, remove the 304 cross recessed pocket hexagon head combination screw with a flat gasket and spring gasket M4 * 12 bolts attached to the rear panel with a flat-blade screwdriver, and remove the rear panel (as is shown Figure 4).
Note: The rear cabinet of BAIP-101, BAIP-103 dispensing booth has two rear panels, and the rear cabinet of BAIP-105 dispensing booth has one rear panel, and the remove method is the same with the above.

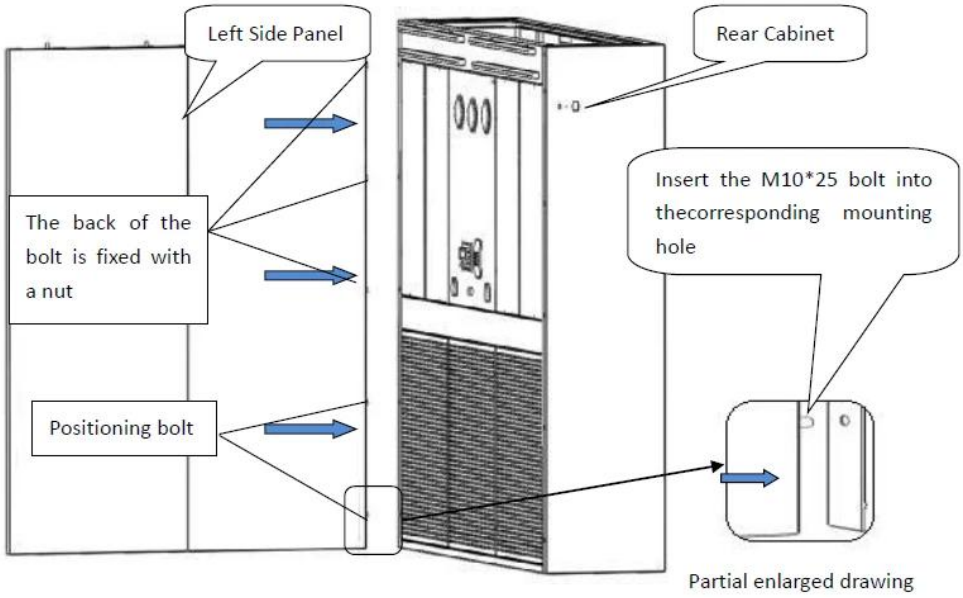


Figure 5

Take the left side panel, and insert the M10 * 25 bolt on the left side panel into the rear cabinet mounting hole (as is indicated by the arrow) and fix it with 3 groups of flat gaskets 10 + spring gaskets 10 + 3 sets M10 hex nuts, and fasten it withNo.17 wrench, the two positioning M10 * 25 bolts at the bottom side play the role of positioning, which do not need nuts for fastening, The top is fastened with hexagon socket head cap screws M10 * 25.
The installation steps of the right side panel is the same with the left side panel.

2. The installation steps for connecting the upper front cabinet with the rear cabinet are as follows:

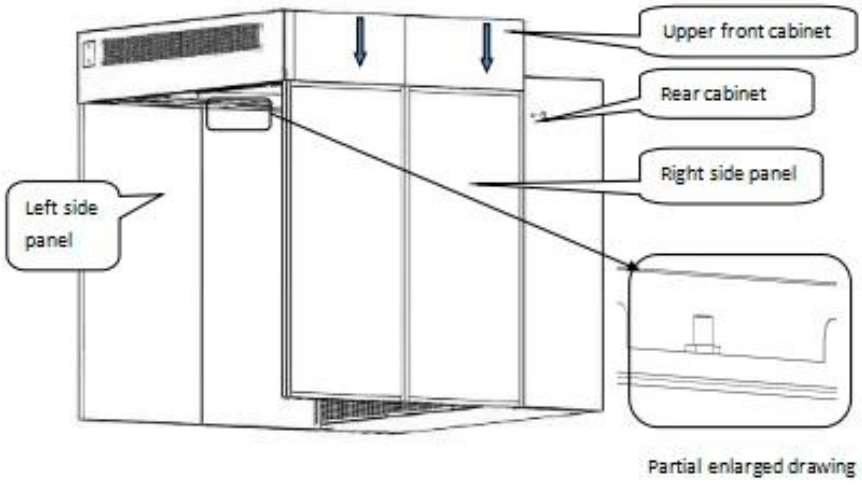


Figure 6

Take the upper front cabinet, and place the upper front cabinet on the left and right side panels (as is indicated by the arrow) so that the mounting holes of the upper front cabinet are matched with the M10 * 25 bolts on the left and right side panels, meanwhile making the upper front cabinet is aligned with the mounting hole on the rear cabinet, the left and right side of the upper front cabinet are flush with the left and right side panels and fix with 8 groups of flat gaskets 10 + spring gaskets 10 + 8 sets of M10 hex nuts, and fasten with No.17 wrench (as is shown in Figure 6).
3) The installation steps for connecting the upper rear cabinet with the upper front cabinet, rear cabinet are as follows:

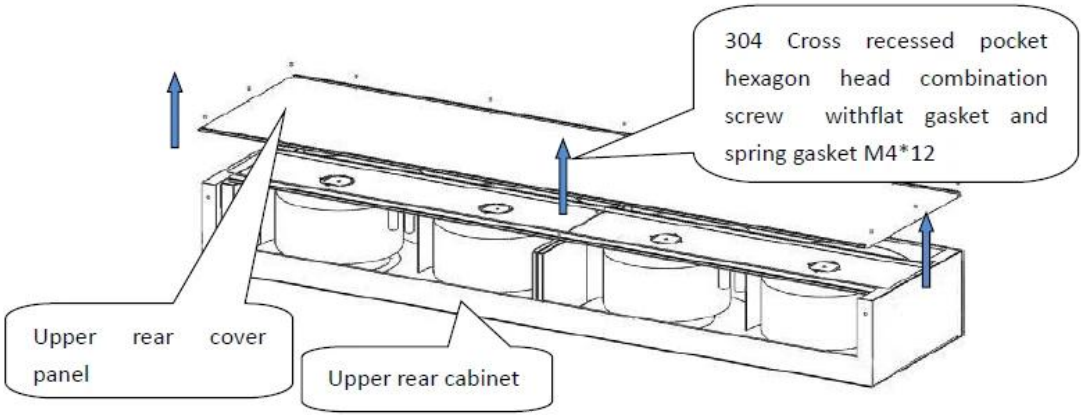


Figure 7

Take the upper rear cabinet, remove the 304 cross recessed pocket hexagon head combination screw with flat gasket and spring gasket M4*12 with a flat blade screwdriver, remove the upper rear cover panel(as is shown in Figure 7)

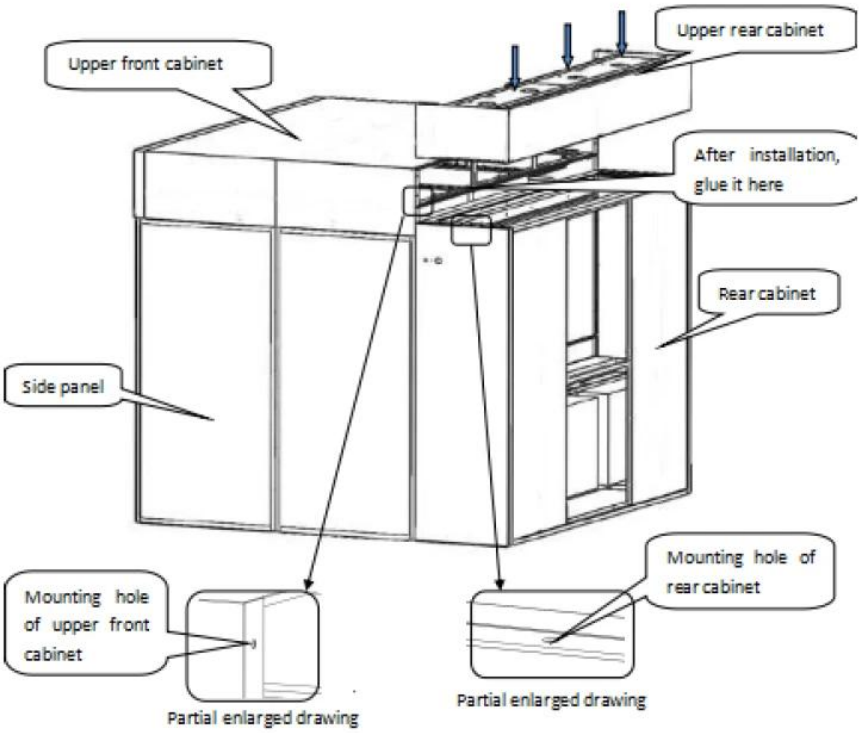


Figure 8

As is shown in the figure, install the upper rear cabinet on the rear cabinet, making the mounting holes of upper rear cabinet be aligned with the mounting holes of upper front cabinet and rear cabinet. Take 6 sets of M10 * 25 bolts + 6 groups of flat gaskets 10 + 6 group of spring gaskets 10 to fasten the connections of upper rear cabinet with upper front cabinet, rear cabinet (as is shown in Figure 8), and conduct the next step after the installation is completed.
In the upper rear cabinet, take the silver gray glue and evenly coat it on the connection part of the upper front cabinet and the upper rear cabinet, to avoid the gas in the upper rear cabinet to enter into the operating area, affecting the cleanliness in the operating area.
4. Lighting, trachea , wire harness connection

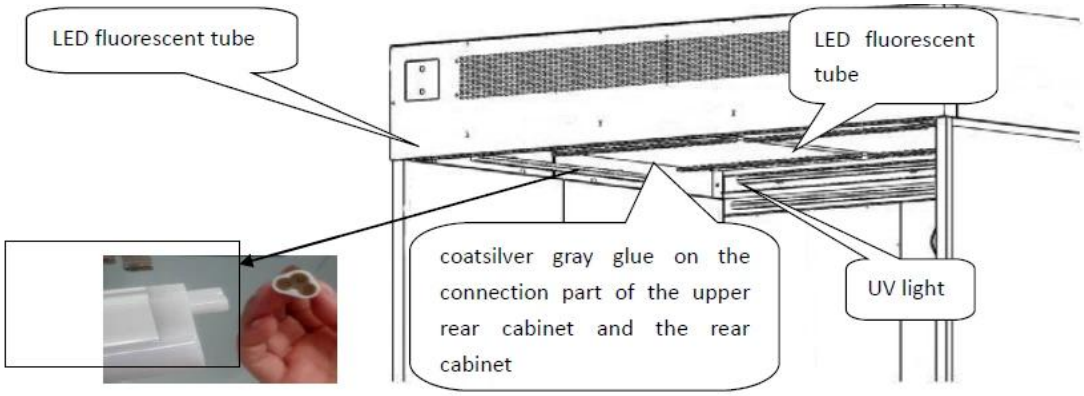


Figure 9

In the operating area, coat silver gray glue on the connection part of the upper rear cabinet and the rear cabinet, to avoid the gas in the rear cabinet enter into the operating area. Insert the LED fluorescent tube plug into the LED fluorescent tube (as is shown in Figure 9), and other LED fluorescent lamps are connected as above. Conduct the next installation after the connection is completed.

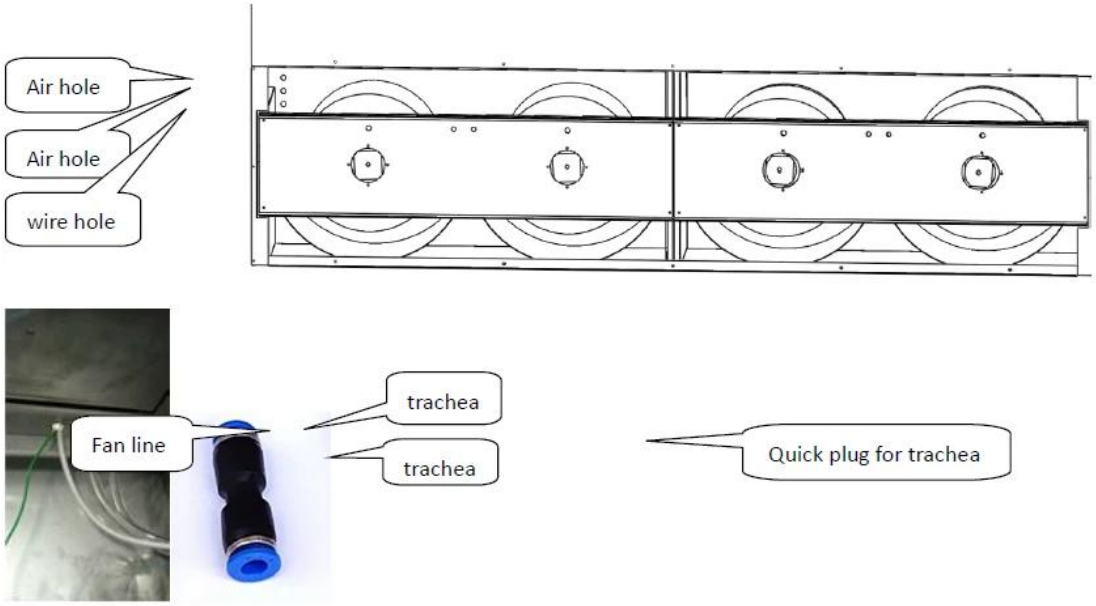


Figure 10

Take the trachea in the rear cabinet, trachea passes through the air hole, and insert the trachea into the quick plug in the upper front cabinet, connection of the trachea is completed. Similarly, take the wire

harness in the rear cabinet, which should pass through the wire hole, and connect the fan line with the wire harness in the rear cabinet, the connection is completed. Plug the
power cord, close the air switch, turn the emergency switch in the direction of the arrow, press the power button, press the fan button to check whether the fan runs properly. If not, please refer to 3.1 to conduct troubleshooting. Press the lighting button to check whether the LED fluorescent light is lit, if not, please refer to 3.1 to conduct troubleshooting. If there is no trouble, please conduct the next installation step.
Note: Before installation, please turn of the power, so as not to get an electric shock, cause an accident during the installation process, accidents.
5. Installation of Homogeneous Film

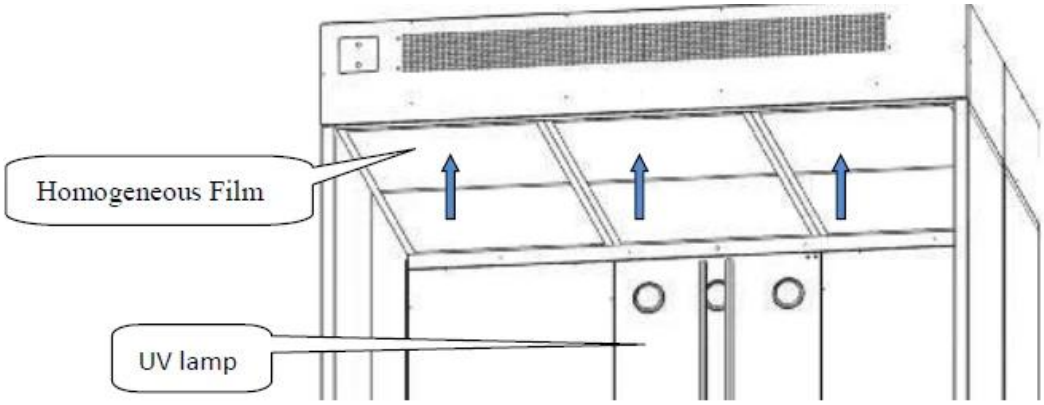


Figure 11

Firstly remove the UV lamp holder from the card slot (no need to disconnect the UV lamp). Take the homogeneous film, and make it face downwards, and fasten it with 12 sets of stainless steel hexagonal bolts M4 * 30 +12 groups of flat gaskets 4, spring gaskets 4. After the installation of the homogeneous film is completed, install the UV lamp holder into the card slot. After the lamp is inserted into the lamp holder, the lamp is rotated clockwise (or counterclockwise) by 90 degrees. The installation is completed and the power test can be performed. After the installation, conduct the next installation step.
6. Installation of Anti static Curtain

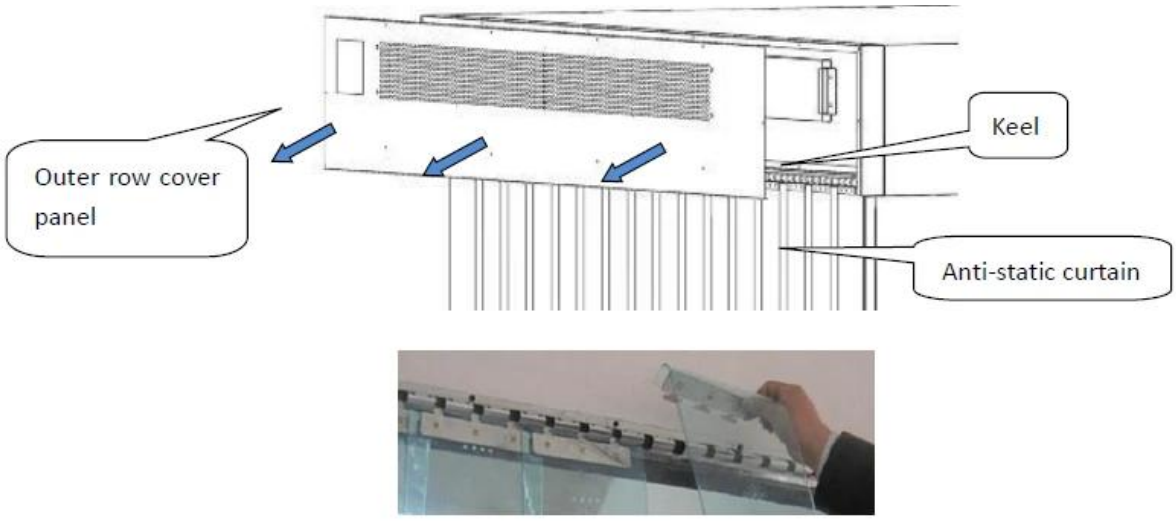


Figure 12

Firstly, remove the 304 cross recessed pocket

hexagon head combination screw with flat gasket and
spring gasket M4 * 12 with a flat blade screwdriver, remove the outer row cover panel. Take the anti static curtain, hang the curtain on the keel (as is shown in Figure 12), the installation will be completed outside the cover plate can be restored. After the installation is complete, restore the outer row cover panel back to the original

7. Test after installation

After the installation, turn on the power to test whether the fan is running, LED lights are light, the differential pressure gauge is beating, the socket has power, etc., if not please refer to 3.1 for conduct troubleshooting. After the test is completed, install the rear panel, the upper rear cover panel, installed in accordance with the demolition of the can be restored. The installation can be restored in accordance with the opposite direction of disassembly.

8. Apply sealant

Places to apply sealant: 1, joint of the upper front cabinet and the side panel, 2, joint of the upper front cabinet and the upper rear cabinet,3, joint of the upper rear cabinet and the rear cabinet, 4, joint of the rear cabinet and the side panel, 5 joint of the side panel and the high efficiency cabinet,6 gap in the front panel of the rear cabinet. Requirements: Sealant shou ld be applied evenly, without omission.

2. Instructions for Use

2.1 Function

2.1.1 Product Concept

The dispensing booth is a local purification equipment dedicated to places such as pharmaceuticals, microbiological research and scientific experiments. It provides a kind of vertical, unidirectional airflow that produces negative pressure in the working area, part of the clean air circulates in the working area, part is discharged to the nearby area to prevent cross contamination, to ensure the high cleanliness in the working area.

2.1.2 Working Principle / Airflow Mode Protection Area Drawing

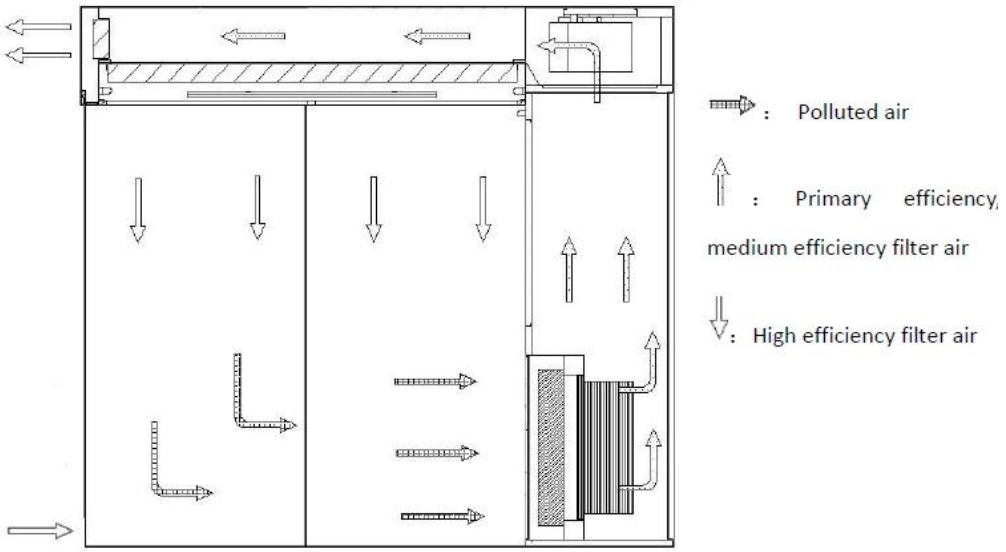


Figure 13

2.1.3 Protected objects

Effect of dispensing booth is to protect the experimental material, to make the local air environment with high cleanliness, the main role is to weigh and pack the dust, reagent in the equipment. It can control the spillover of the dust, reagent, prevent the inhalation hazards of dust, reagent to staff, and the cross contamination of dust, reagent, to achieve the purpose of protecting the external environment and the safety of indoor staff.

2.1.4 Technical Parameters Performance Indicators

Model Technical Parameters	BAIP-101	BAIP-103	BAIP-105
OuterDimensions(W*D*H)	1300*1700*2400	1900*2300*2400	2500*2300*2400
Inner Dimensions(W*D*H)	1200*1200*2000	1800*1800*2000	2400*1800*2000
Cleanliness Class	ISO 5(Class 100),Class A		
Filter	G3 primary efficiency, F7 medium efficiency, H14 HEPA baffle-free high efficiency filter, three stage filtration		
Control panel	LCD control panel		
Material	304 brushed stainless steel		
Airflow velocity	0.3-0.65 m/s(Airflow velocity is adjustable)		
Noise	≤75 dB(A)		
Illuminance	≥500 lux		
Power of UV lamp	30W	40W	2*30W
Power of LED fluorescent	4*14W	4*16W	4*16W/2*14 W
Differential pressure gauge	3pcs		
Working Voltage	220V±10% 60/50Hz		
Dispensing booths with different dimensions, models can be customized			

Table 4

Note: The company reserves the right to change the design of the product, design of the product is subject to change without further notice.

1)Vibration amplitude

The net amplitude of vibration between 10 Hz and 10 kHz does not exceed 5 μm (rms).

2)Illuminance

The average illuminance is greater than or equal to 500 lx.

3)Electrical performance

1390V within 5s, to break down within 5s is impossible.

Grounding resistance: ≤ 0.1Ω.

2.2 Product Structure

The structure of BAIP-101/BAIP-103/BAIP-105 dispensing booth consists of

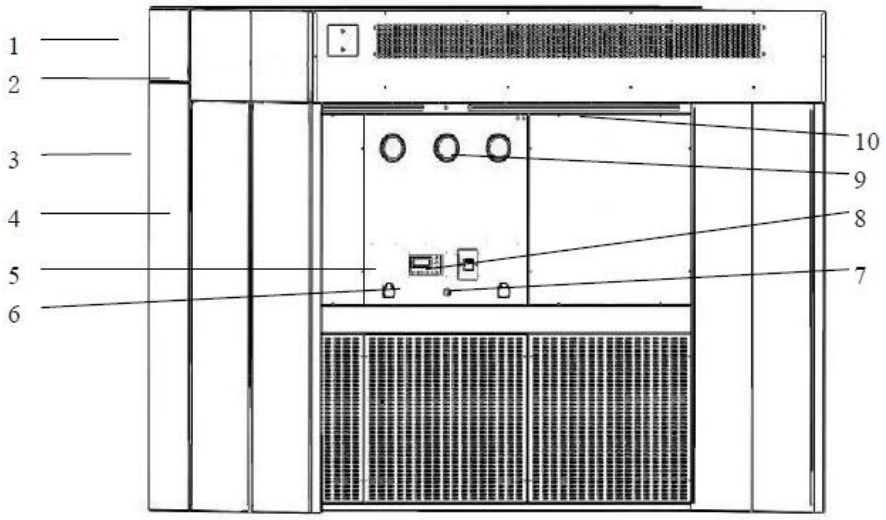


Figure 14
1. Upper rear cabinet
2. Upper front cabinet
3. Upper cabinet
4. Side panel
5. Control

2.2.1 Structure composition
A. Structure
Dispensing booth adopts modular design, on site assembly and disassembly is convenient. Equipment is assembled from the working area, upper front cabinet, upper rear cabinet, rear cabinet and the side panel. The overall adopts 304 brushed stainless steel with sealant being applied on the welding joint, to ensure the tightness, tidiness and beautifulness of the working area (as is shown in Figure 14).
B. Air filtration system
Air filtration system is the most important system to ensure the performance of this equipment. It consists of a fan and an air filter. The bottom is equipped with primary, medium efficiency filters, and the top is equipped with high efficiency filter, the filtration efficiency can reach 99.999% (diameter is0.3μm); the most important function of air filtration system is to keep clean air enter into the operating area continuously, to ensure that the airflow velocity and cleanliness in the operating area can meet the standard requirements.
C. Differential pressure gauge
The equipment is equipped with three differential pressure gauges, purpose of which is to measure the filter pressure, to provide lasting performance indicators for the dispensing booth. 0 125Pa differential pressure gauge is selected to test the primary, medium efficiency filters, among which, the primary efficiency filter should be cleaned, replaced regularly according to the use conditions. 0-500Pa 0-250Pa differential pressure gauge is selected to test the high efficiency filter. When the pressure exceeds 1.5 times of the initial resistance (initial resistance is 100Pa), please replace the high efficiency filter.
D. UV lamp
The UV lamp is located on the underside of the homogeneous film to ensure that the UV light is

fully exposed to all space in the operating area. UV lamp has a delayed opening function, press the UV light button, the operator quickly evacuate the scene, after 90S UV lamp is light to protect the eyes and skin, and avoid injury caused by accidental exposure.

E. fluorescent lamp

LED fluorescent lamp is adopted, located on the upper side of the homogeneous film to ensure that the average illumination in the operating area is ≥ 500Lux.

F. Control panel

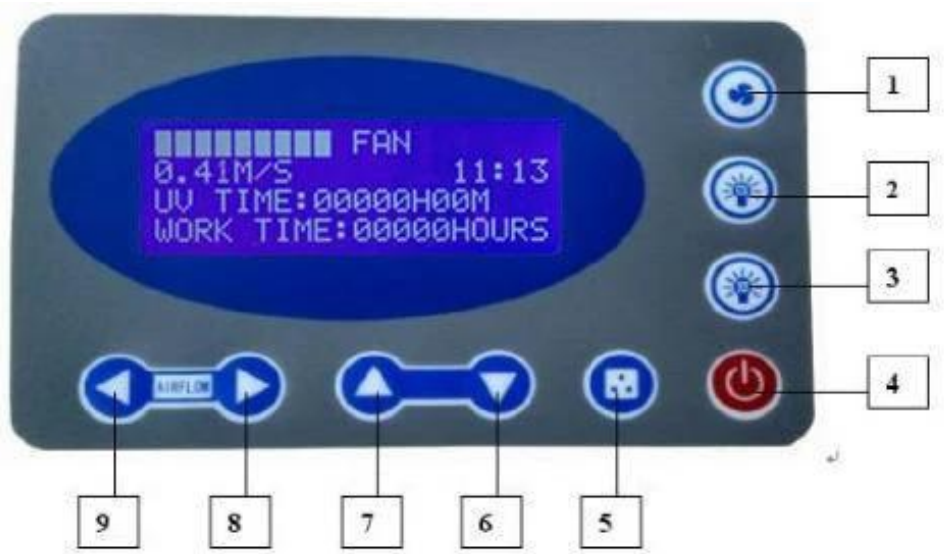


Figure 15

1. Fan button
2. Fluorescent lamp button
3. UV lamp button
4. Power button
5. Socket button
6. UV lamp timing increase button
7. UV lamp timing decrease button
8. Airflow decrease button
9. Airflow increase button

a) Gear display

The airflow velocity, gear, etc in working of the equipment can be known from the gear display

b) Touch the button lightly

The operation of the equipment is achieved by lightly touching the button.

1. "  " : Is the power button: the main switch to control the other function buttons. The system can switch between standby mode and operating mode.

2. "  " : Is the fan button: the control button of the working state of the fan. Fan has a memory function, that is, at the time of starting up the fan, it can display the gear when it was shut down last time, by which, there is no need to adjust the fan gear every time.

3. "  " : The control button of the fluorescent lamp

4. "  " : The control button of UV lamp.(UV lamp, fan , fluorescent lamp, that is when the fluorescent lamp, fan are started up, UV lamp will be shut down automatically)

5. "  " : Is the socket button: The socket will change between power on and power off

6. "  " : Is the UV lamp timing increase button, shut down the fun, turn off the fluorescent lamp under the display state of the display screen, press the  button, the display screen will display the timing time of the UV lamp. After each press, the buzzer will ring once, and the set time will increase one minute.

7. "  " : Is the UV lamp timing decrease button; after each press, the buzzer will ring once, and the set time will decrease one minute; according to the required length of time to set the time (the timing time range of UV lamp is 0-90Min, at the time of leaving the factory , it is set to the maximum, 90Min). Note: Because the UV lamp will start working after 90S of the setting, the operator will complete the setting in 90S and leave the operating area quickly.

8. "  " : Is the fan velocity decrease button; when the fan is running, if the number of"▉ "is greater than 1, after each press, the velocity will be decreased one gear, and the buzzer will ring once, this operation can not be stopped until there is only one "▉ ".

9. "  " : Is the fan velocity increase button; when the fan is running, if the number of"▉ "is less than 9, after each press, the velocity will be increased one gear, and the buzzer will ring once, this operation can not be stopped until there are9 "▉ ".

10. Display screen display: When the power is turned on, the display contents from the top to the bottom are ▉▉▉▉▉▉▉▉ FAN, indicating the working velocity of the fan is weak; the corresponding below displays the velocity in the current state; the right display the time (the adjustment of the time will be described below); UV display the working time of the UV lamp; WORK TIME displays the working time of the filter.

11. Adjustment of the clock: in the standby mode, press the fluorescent lamp button continuously, after one alarm sound, enters into the clock set state, at this time, the minute bit starts to flash, adjust the minute bit by pressing the increase, decrease buttons, and then press the fan button, then the hour bit starts to flash, adjust the hour bit by pressing the increase, decrease buttons, minute and hour bits should be adjusted to the current time, and then press the fluorescent lamp button again to save the clock after one alarm sound.

G. Waterproof socket

Waterproof socket is set at the control panel of the operating area to supply power to the equipment in the operating area. The socket is located on both sides of the control panel (as is shown in Figure 14). When the socket is required to be used, turn on the power of the equipment and press the display socket button (as is shown in Figure 15), the socket can be powered.

 1. The power of the equipment used on the socket does not exceed 500W;

H. protective tube
The protective tube is located on the upper right side of the rear cabinet of the product, and the corresponding protective tube socket and the power socket are installed with socket and live line protective tube respectively, the specification of the protective tube should be consistent with the label contents pasted right below, and the replacement should be according to the label contents.
I. Emergency stop switch
The function of emergency stop switch is to make the machine stop immediately in any case, to prevent the expansion of injury or loss.
J. Air switch
The function of air switch is to provide protection for the short circuit, severe overload and under voltage of the circuit or electrical equipment.

2.3 Precautions for Use

1. Before starting up the machine for the operation, please confirm the rated voltage and frequency of the equipment and the parameters of the input power are consistent again, so as not to damage the electrical components, and even lead to fire.
2. A reliable grounding operation must be performed on the equipment to ensure safe use.
3. If abnormal noise, odor, smoke, etc. occur during use, disconnect the power supply immediately. Users should not blindly hands on repair, but notify Biolab maintenance department or local special maintenance point, and the equipment should be checked, repaired by the professional technical personnel.
4. When the dispensing booth is working, do not rinse the cabinet directly with water, otherwise it will cause malfunction, leakage, and even fire.
5. Please put down the transparent curtain when the dispensing booth is being used.
6. There is airflow regulating panel on the upper front cabinet of the dispensing booth, the equipment has been tested in the factory and well adjusted, the user is not allowed to adjust arbitrarily.
7. When the dispensing booth is in the sterilization process, the staff shall not enter the work area, to look the UV germicidal lamp directly is prohibited.

2.4 Daily Maintenance

Maintenance should be done every year or every 1000 work hours, and every restart.

 Please firstly turn off the power before conducting the daily maintenance;
Since the statistics of the operating time will directly affect the judgment of the maintenance needs, we recommend that you can prepare a detailed record of the operating time for reference and inquiry when you are using the equipment;
Maintenance method
• Daily or weekly maintenance
• Surface cleaning: In order to keep the cabinet clean, please regularly (at least once a week) clean it. The wipe should be done with a dry soft cloth with soapy water being wringed. Do not spray any chemical reagents on the operator panel or other labels to prevent discoloration of the label film or the writing is unclear . Clean the outer surface of the cabinet and the anti-static curtain with a flexible detergent or glass-specific cleaning agent.
• Check whether the various functions of the equipment are abnormal;

• Record the maintenance.
• Monthly maintenance
• Regularly replace or clean the filter (when the pressure is more than 1.5 times of the initial pressure, please replace or clean the filter) according to the cleanliness of the environment.
• Regularly (usually once every two months) with the dust particle counter to determine the cleanliness of area being purified by the product, when the measured cleanliness is inconsistent with the required cleanliness, reason should be identified (whether there is leakage, whether the high efficiency filter has a failure etc.), if the high efficiency filter has failure, please replace a new high efficiency filter.
Note: When the use of high efficiency filter reaches a certain extent (5000 hours), the display screen will automatically alarm with a beep. At this time, please replace the high efficiency filter, after the replacement is complete, under the standby mode, press the  button for about 6 seconds, after there is an alarm, zero clearing is complete, the machine can continue to work properly.
• When the high efficiency filter and the primary efficiency filter are being replaced, the machine should be shut down.
• Please pay attention to the following when replacing the high efficiency filter
a) When replacing the high efficiency filter, pay special attention to the processes of unpacking, handling and installation, during which, ensure that the filter paper is intact, prohibit the filter paper is damage because of hand touch.
b) Before installation, let the new high efficiency filter face the bright spot to see whether there are loopholes on the filter because of transportation, etc, if so, the filter can not be used.
c) When replacing the high efficiency filter, firstly remove the homogeneous film and then remove the pressure plate, then remove the invalid high efficiency filter and replace it with a new high efficiency filter (Note: the arrow mark of the high efficiency filter should be consistent with the flow direction of the dispensing booth), and return the homogeneous film back to the original.
• Check the LED fluorescent lamp and UV lamp (regularly check the strength of the UV lamp according to the manufacturer's specifications, general lifespan is about 600 hours).
• Apply annually to test the overall performance of the dispensing booth to ensure that the dispensing booth is safe. The test fee should be borne by the user.
• Record the maintenance.

2.5 Storage Conditions

Dispensing booth should be stored in a warehouse with the relative humidity of not more than 75%, the temperature below 40 °C, good ventilation, no acid, alkali and other corrosive gases, the storage period should not exceed one year, for the dispensing booth more than one year out of the box check should be done, the ones that pass the out of the box check can enter the market.

2.6 Replacement Parts List

BAIP-101 Replacement Parts List

No.	Name	Specification
DB-01	Protective Tube	5A
DB-02	Protective Tube	10A

DB-03	UV lamp	T8 30W
DB-04	LED fluorescent lamp (whole)	T5 14W
DB-05	UV disinfection lamp holder	T8 30W
DB-07	Fan	SC355A
DB-08	1 set of control panel	Control panel of the dispensing booth

Table 5

BAIP-103 Replacement Parts List

No.	Name	Specification
DC-01	Protective Tube	5A
DC-02	Protective Tube	10A
DC-03	UV lamp	T8 40W
DC-04	LED fluorescent lamp (whole)	T5 16W
DC-05	UV disinfection lamp holder	T8 40W
DC-07	Fan	SC355A
DC-08	1 set of control panel	Control panel of the dispensing booth

Table 6

BAIP-105 Replacement Parts List

No.	Name	Specification
DD-01	Protective Tube	5A
DD-02	Protective Tube	10A
DD-03	UV lamp	T8 30W
DD-04	LED fluorescent lamp (whole)	4*16W/2*14W
DD-05	disinfection lamp holder	T8 30W
DD-06	Fan	SC400A
DD-07	1 set of control panel	Control panel of the dispensing booth

Table 7

3. Common Fault Analysis and Solution

3.1 Common Fault Analysis

Before diagnosing the fault, please make sure whether the power supply is connected well, whether the power cord is obviously damaged, and the protective tube is good.
1. Check whether the equipment is grounded reliably in accordance with the requirements of the instructions, to ensure the security of maintenance and use. Check whether the electrical wiring of the equipment is off, broken and short-circuited, if so, please exclude them one by one;
2. Judgment and Solution of Common Faults

Fault phenomenon	Positions should be checked	Solution
LED fluorescent lamp does not light	fluorescent lamp	Replace LED fluorescent lamp
	wiring	Check the wiring
	control panel	Replace the control panel
UV lamp does not light	Fan, fluorescent lamp	Check whether the fan, fluorescent lamp are closed
	Lamp holder	Check whether the fluorescent lamp connect well with the lamp holder
		Check according to the fault of the fluorescent lamp, and then make the judgment
Button does not work	Control panel	Confirm whether the power is connected well, the protective tube is good
		Confirm whether the button is not damaged
		Check whether the connection wire does not poor contact
		Replace the control panel
Fan does not run	Fan	Fan is damaged, replace the fun
	Wiring	Check the wiring
	Control panel	Replace the control panel
The socket is dead	Protective tube of socket	Check whether the protective tube of socket is damaged
	Socket	Check whether the socket is damaged
	Wiring	Check the wiring
	Control panel	Replace the control panel

The equipment is not powered	Power supply	The power is not connected well
	Power cable	Whether the power cable has obvious damage
	Protective tube	Whether the protective tube is good
	Transformer	Whether the transformer output is normal
	Control panel	Replace the control panel
The display screen does not light	Connecting cable	Check whether the connecting cable is connected well
	Display screen	Check whether the display screen is good
	Control panel	Replace the control panel

Table 8

3.2 Method for Replacing Simple Parts

3.2.1 Replace protective tube (fuse)

The round protective tube at the top of the right side panel of the dispensing booth is determined by the labels, which are F5A φ5 x 20 mm and F10A φ5 x 20 mm. When you need to replace the socket protective tube holder fuse, firstly turn off the power supply, pull off the plug, unscrew the protective tube holder counterclockwise with a Phillips screwdriver, replace a new fuse in the protective tube holder, and tighten the protective tube holder clockwise. When the live line protective tube needs to be replaced, unscrew the protective tube holder with a flat-blade screwdriver and replace, after which, press it back.



Figure 16

3.2.2 Replace LED fluorescent lamp

When the fluorescent lamp of the weighing room needs to be replaced, please turn off the power supply. Then tilt and remove the LED integral bracket, pull off the right side plug, replace the new LED bracket, after which, tilt it to insert it into the card slot.

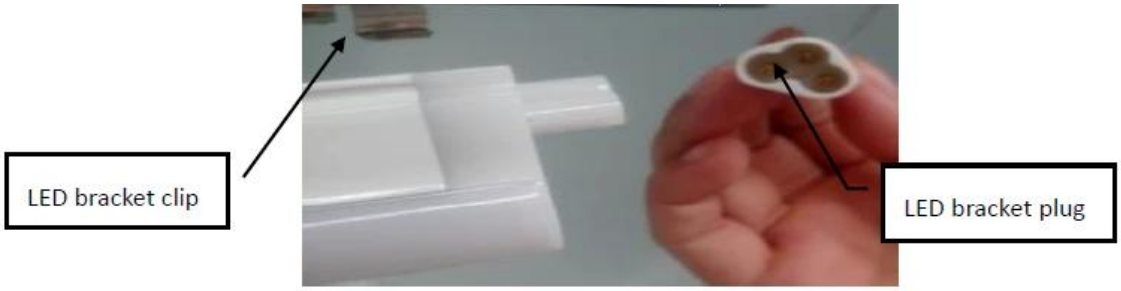


Figure 17

3.2.3 Replace the UV lamp

UV lamp lifespan supplied on the product is for the cumulative working hours of 600 hours, in order to achieve good disinfection effect, we recommended you to regularly test the intensity of UV light, you can use the UV intensity test card to confirm whether it is necessary to replace the UV lamp. When the UV disinfection lamp is being replaced, turn off the power supply, unscrew the UV lamp, remove the lamp from the lamp holder and replace a new UV disinfection lamp. Method is shown in the following figure:

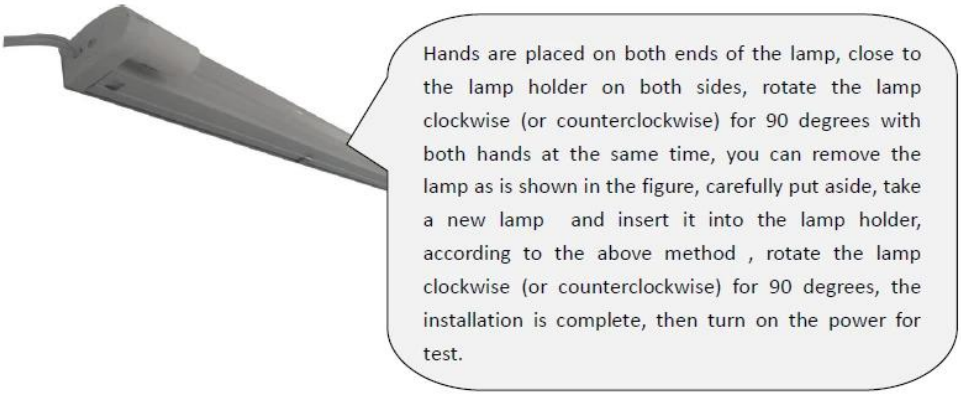


Figure 18

1. The operation of the above electrical parts must be carried out by qualified electricians under safe conditions (cut off the power supply). And other parts are not allowed to disassemble, otherwise the consequences shall be borne by the user;
2. When the equipment has a failure which is not listed above, and the operator can not immediately rule out, please immediately notify Biolab maintenance department, for your safety, please do not repair equipment by yourself;
3. The maintenance work of this equipment can only be borne by trained and recognized technical staff;
4. If you need to order parts, please seek help from the technical service department, please specify the model and No. of the dispensing booth you purchased

3.3 Label Description

3.3.1 Fuse(protective tube) label (figure 19)



Figure 19

Note: Position of 5A protective tube indication label is below the socket protective tube.
Position of 10A protective tube indication label is below the live line protective tube.

3.3.2 Ground label



Figure 20

3.3.3 Air / emergency stop switch /Differential pressure gauge/Differential pressure gauge air test hole label



Figure 21

4. Warranty

• The warranty period is twelve months from the date of purchase (excluding lamp, fuse, protective tube).
• If the failure or damage of the instrument and equipment in the warranty period is caused by user's improper use, Biolab does not undertake maintenance obligations.
• After the warranty period, Biolab is responsible for maintenance, and charges the corresponding maintenance costs.
• The lifespan of the equipment is 8 years, the production date can be seen from the cabinet label.
• Provide necessary equipment drawings and some of the necessary technical data to the maintenance units and maintenance staff trained and accepted by Biolab.

5. Appendix A Circuit diagram

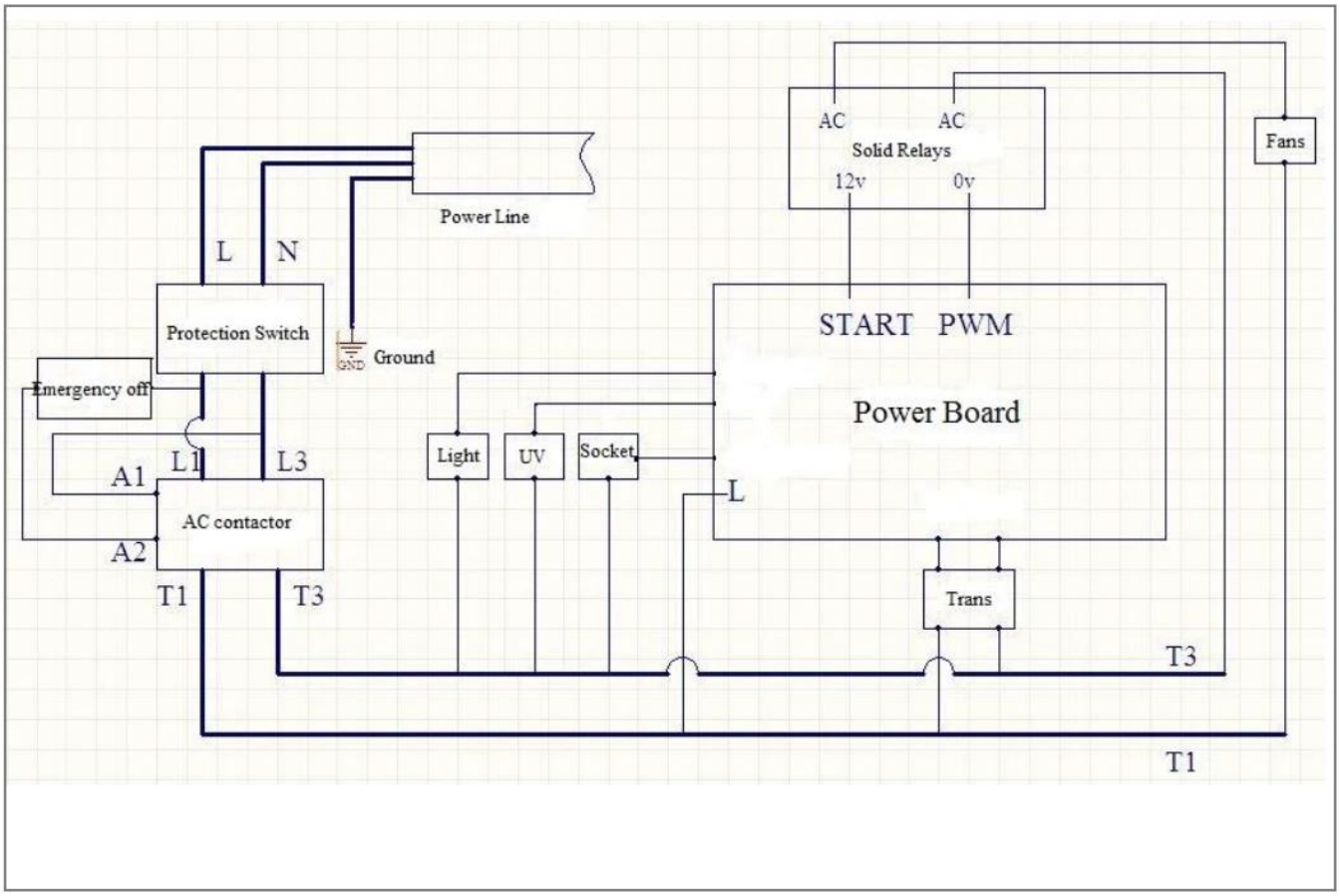


Figure 22

Biolab Scientific Ltd.
Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com