

PRODUCT INFORMATION

Product Description	Outside Pump Vacuum Sealer
Product Code	99-2050
Packing	1set/ctn
Warranty	1 Year
Recommended Storage Condition	1. Storage at room temperature and dry place; 2. Keep away from open flame and flammable anesthetics.



PHYSICAL SPECIFICATION

No	Items	Specification
A	Overall size	950x500x950mm
B	Sealing Size	800X8mm

CHARACTERISTIC

No	Item	Specification
1	Power	220V/50HZ
2	Air extraction speed	6.5m ³ /h 108L/min

Overview

The machine is to be applied for vacuum packing of instruments, medicines, local specialties, electronic components, instrumentation components, clothing etc. The latest developed external air extraction (air inflation) vacuum packing machine is equipped with air extraction function. Inflatable function, and air extraction (air inflation) function The most advantage of the machine is that it is not restricted by packaging size and volume and that it can be applied for vacuum or nitrogen-filled packing arbitrarily. It has wide applicable scopes, high economic benefits. Furthermore, it is very convenient for operation.

The machine is appropriate for various kinds of laminated film packing materials such as polyester/polyethylene, Nylon/PE, polypropylene, polyethylene, polyester/aluminium foil/PE, nylon/aluminium foil/PE. The materials packed by this machine are characterized of moisture proof, anti-mildew, mothproof, pollution prevention, oxidation prevention, volume saving. The packaging method can extend the shelf life and ensure material quality. The machine has advantages such as compact structure, small volume, light weight, power saving, high sensitivity, convenient operational maintenance.

The machine body is mainly composed of machine body, electrical system, air circuit system and vacuum system. The working process is automatically controlled by single chip. The temperature of heat sealing and vacuum degree required by the packaging are adjustable. It is an irreplaceable new type of vacuum package machine of current interior air extraction vacuum packing machine.

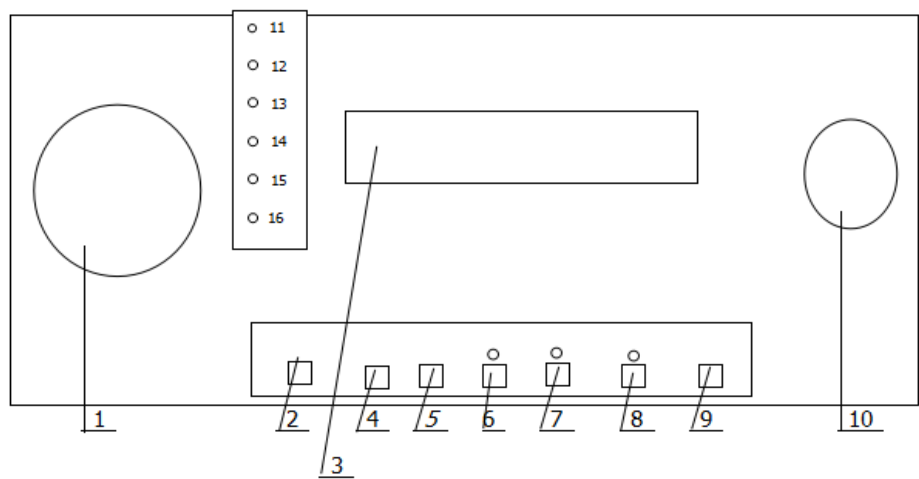
Main Technical Parameters

Technical indicators

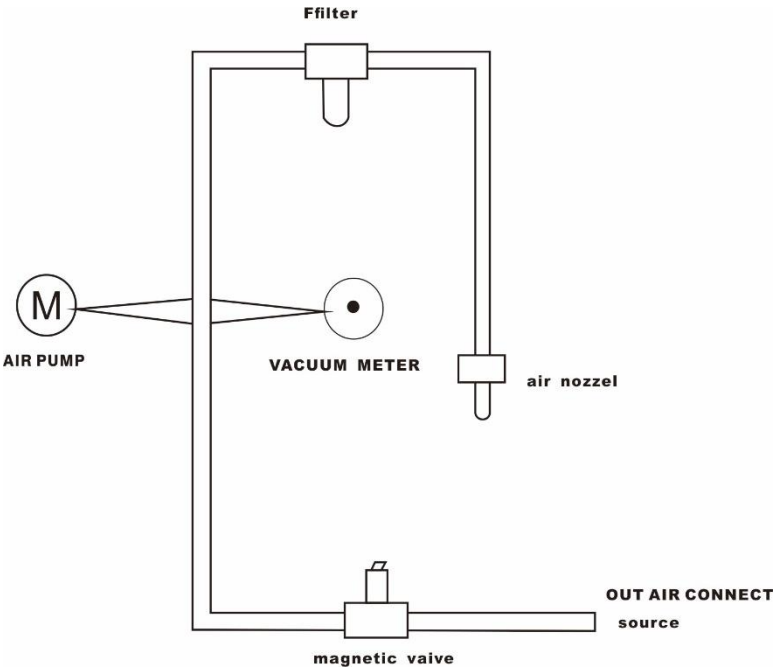
1. A Duration range of extraction: 0-200s, error: <0.1%
2. B Duration range of air inflation: 0-200s, error: <0.1%
3. C Duration range of hot cutting: 0-8s, error: <0.1%
4. D Duration range of cold cutting: 0-200s, error: <0.1%
5. E Automatic interval: 0-100s
6. F Pedal and automatic settings: F000 pedal, F001 automatic
7. H Preset value: 0-999 times
8. F key plus air inflation key: counter reset.

Quick Start of Operation

Panel instructions



Gas Circuit Diagram



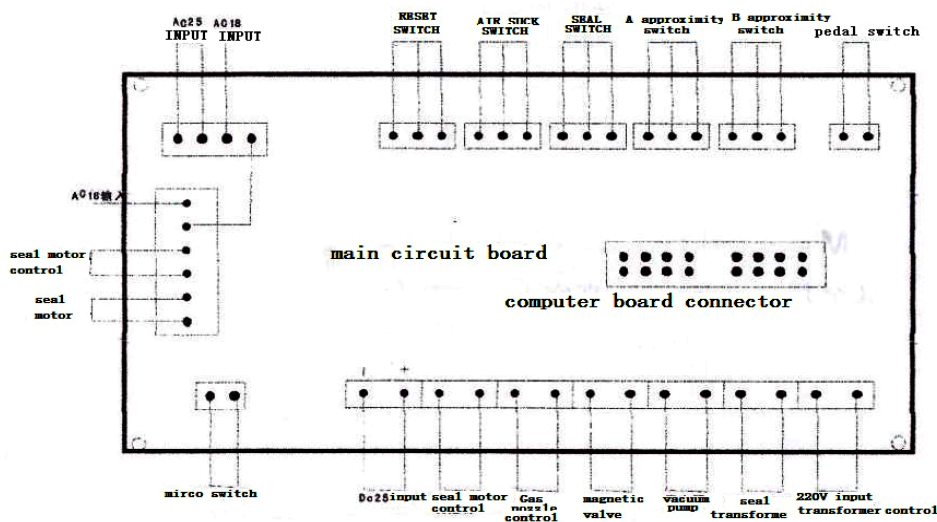
Filter
 Vacuum pump Vacuum meter. Air nozzle Solenoid valve
 External gas source X. Packing list
 Main body of the machine 1 set
 Heating plate 1 set
 Workbench 1 piece
 Support connecting rod of the workbench 2 pieces
 Operation and maintenance manual 1 copy
 Power cord 1 piece
 Foot switch 1 piece
 8A protective tube 2 pieces

Warranty Instruction and Warranty Card

The effective warranty contents of the machine within the warranty period within one year after the date of purchasing are as following:

- (1) Before obtaining guarantee repair, please provide warranty card and purchasing evidence for products within the warranty period.

Wiring Diagram



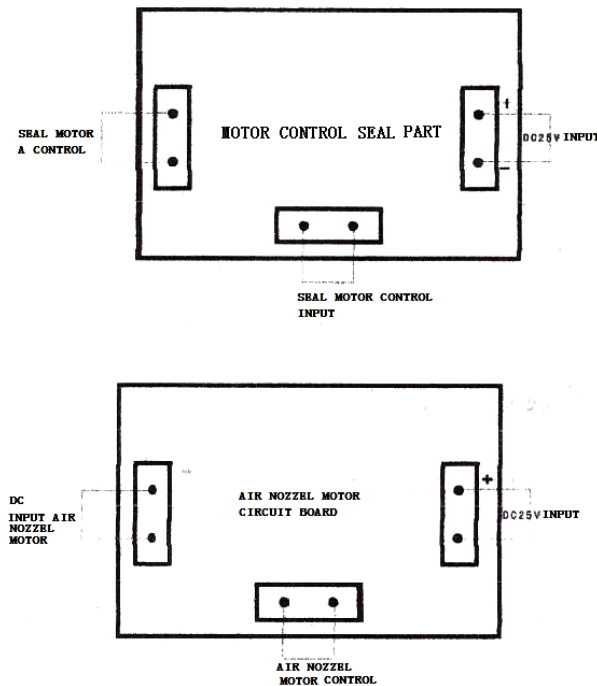


Figure II

(1) vacuum meter (2) function keys (3) digital display (4) increasing key (5) reducing key (6) extraction switch (7) air inflation switch (8) Emergency stop switch (9) extraction indicator light (10) air inflation indicator light (11) sealing indicator light (12) cold cutting indicator light

1. Related parameters setting

(1) Extraction duration setting

① If the nixie tube shows "0000" at starting up, it indicates that the machine is under stand by status.

② Press the function setting key 3 once, the digital display will start to flash code A. Select increasing key 4 or reducing key 5 to set the value of seconds of extraction duration required according to packaging size. Turn on the extraction switch at the same time, and the extraction indicator light will be on.

(2) Air inflation duration setting

Press the function setting key 3 twice, the digital display will start to flash code B. Select increasing key 4 or reducing key 5 to set the value of seconds of air inflation duration required according to packaging size. Turn on the air inflation switch at the same time, and the air inflation indicator light will be on.

(3) Hot sealing duration setting

Press the function setting key 3 for three times, the digital display will start to flash code C. Select increasing key 4 or reducing key 5 to set the optimal sealing duration required according to material and thickness of the packaging material.

(4) Cold cutting duration setting

Press the function setting key 3 for four times, the digital display will start to flash code D. Select cold cutting duration according to sealing effect of packaging bag.

(5) Automatic interval duration setting

Press the function setting key 3 for five times, the digital display will start to flash code E. Set the duration according to proficiency of the operator.

(6) Pedal and automatic Settings

Press the function setting key 3 for six times, the digital display will start to flash code F. When it is set as F000, it indicates that the machine is to be started up or shut down by the pedal; while it is set as F0001, it indicates that it has started up operating cycle (Reference to (5) setting).

(7) Preset value setting

Press the function setting key 3 for seven times, the digital display will start to flash code H. The setting of preset value should be under the condition that (6) is set as F001 automatic set value. It will be invalid when (6) is set as F000.

(8) Counter reset setting

Press the function setting key 3 for six times, the digital display will start to flash code F000 or F001. Press the air inflation key once at this moment, it means that counter reset has been done. Digital display will not flash after functions setting. And the machine is at stand by status. This machine has memory function. After completion of functions setting or switching off the electricity after each task, it will follow the settings of the previous operation and the counter will keep the previous working time.

Working Process

(1) Air extraction, sealing, cold cutting

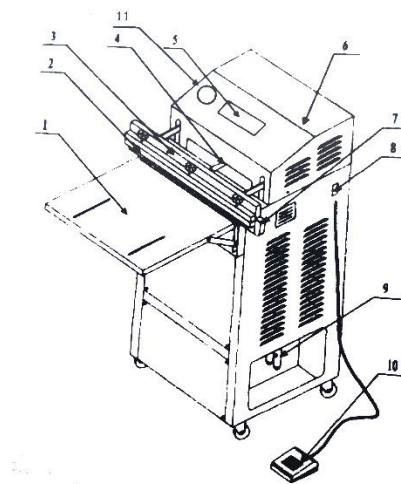
When the machine is at stand by status, turn on the extraction switch and the extraction indicator light will be on. Step on the foot switch, the program will start, and the vacuum pump will start working. After completion of the work, down count sealing and cold cutting to finish the work and go back to stand by status (The working condition is applicable to vacuum packing of food, electronics, medical, tools, department stores, etc.).

(2) Air inflation, sealing and cold cutting

When the machine is at stand by status, turn on the air inflation

Machine Structure

Figure I



1. workbench 2, heating plate 3, upper sealing 4, air nozzle 5, control panel 6 emergency stop button 7, protection cover 8, power switch 9, air filter 10, foot switch 11, vacuum meter inlet the air outside through the air filter. If there is any dust or dirt on the lids or filter screen, ideal effects of vacuum pump will not be obtained. Consequently, the lids of the filter and filter screen of the air filter shall be cleaned once per week.

Air tube cleaning

If you press the releasing ring while pushing the air duct, you can take off the air tube easily. Replace the Teflon sheet in case of loss, burning or seal stained.

1. Loosen the four retaining screws of Teflon frame.

2. Rotate the Teflon spinner handle. Roll up the damaged Teflon sheet forward or backward.

When the Teflon tape is stuck on electric heating plate, remove it before rolling up and replace the electric heating plate.

If the electric heating plate is burn or seal stained or non-uniform, please replace the electric heating plate.

1.The electric heating plate is below Teflon. Take out the heating plate after removing the adhesive tape.

The electrode cap is fixed at the side. Loosen the screws with a screwdriver and take off the cover.

2.Uplift the electrode cap, loosen the heating plate and loosen the retaining screws with a screwdriver.

Heating plate installation

Install the heating plate to electrode bar. Tighten the screws with a screwdriver while pressing the heating plate port with fingers simultaneously so that it will not slip off the clamp.

Attention!!!

If the Teflon is damaged or invalid, please replace the Teflon belt.

Replace the adhesive tape and Teflon adhesive tape.

If the silicone Teflon tape under the heating plate is burnout, it may cause short circuit, melting and poor sealing at heating. It is necessary to check and replace in time switch and the air inflation indicator light will be on. Step on the foot switch, the program will start, and the solenoid valve will start working. After completion of the work, down count sealing and cold cutting to finish the work and go back to stand by status (The working condition is applicable to Extrusion proofing and quake proof packing of food, electronics, medical, tools, department stores, etc.).

(3) Air extraction, air inflation sealing, cold cutting

When the machine is at stand by status, turn on the air extraction switch and air inflation switch, and the indicator lights of air extraction and air inflation will be on simultaneously. Step on the foot switch, the vacuum pump will start working. After completion of the work, the normally closed aeration time of solenoid valve will start down counting (gas is to be determined by the user, such as nitrogen, oxygen etc.), down count sealing and cold cutting to finish the work and go back to stand by status (The working condition is applicable to food fresh keeping and packing for materials avoiding extrusion.)

(4) Sealing and cold cutting

When the machine is at stand by status, turn off the air extraction switch and air inflation switch. Step on the foot switch, down count sealing and cold cutting to finish the work and go back to stand by status (The working condition is applicable to separate sealing packing of stationery, electronics, medicine, etc.).

(5) Emergency stop operation

If any abnormal situation occurs or you'd like to stop the working process in advance, you can press emergency stop key 8. The control panel of the machine will power outage and the machine will get restored. Rotate the emergency stop button at clockwise, it will go back to stand by status

Common Failures and Troubleshooting

Failures	Cause	Trouble shooting solution
Improper sealing	The heating plate, Teflon tape or silica gel is dirty.	Wipe off with clean cloth
	Teflon tape damaged.	Replace the Teflon tape
	Silica gel damaged.	Replace the silica gel
	Heating plate damaged	Replace the heating plate
	Cooling duration too short	After the heating light is off, adjust and prolong the cooling time.
Unsmooth seal	Silica gel damaged.	Replace the silica gel
Frequent heating wire fracture	Heating duration is too long	Adjust the shortest heating time of sealing
	Heating duration is too short	After the heating light is off, adjust and prolong the cooling time.
	Adhesive tape damaged	Replace the
	Invalid heating plate	Replace the heating plate
Although the heating light is on, the temperature of the heating blade is no rising	Heating transformer damaged	Contact with us or the distributor. Replacement the component will be dangerous.
Although vacuum extraction process has started, the air still not discharged from the pocket	Air nozzle is not in the pocket	Turn off the power and restart
	Vacuum is obstructed by the bag.	Make the material get close to the air nozzle
	Air nozzle, filter dirty	Clean the air nozzle and filter
Although the heating light is on and foot switch has been stamped down, the	Malfunction of foot switch	Check whether the sequence signals light is on at pressing the foot switch (if not, replace the foot switch).

compression bar does not move down.		
Press the foot switch and the compression bar will move down	Upper sensor	Check whether the sensor switch is on or not
	Retraction of air nozzle sensor during vacuum extraction action. Mislead to the air nozzle position.	Check whether the sensor switch is on or not
	Push the front air nozzle sensor during vacuum extraction action. Mislead to the air nozzle position.	When you select vacuum and stamp on the foot switch, the air nozzle will move forward. Check whether the sequence signals light is on
	Intermediate sensor	When the sponge contact with the bag and is under the status of ready for arousing, check whether the sequence signals light is on
Sealing running stopped (heating light not continued)	Starting-up of sensor	When heating started, check whether the sequence signals light is on.

Failures may occur during machine running process. Common failure causes and troubleshooting solutions are as shown in the table below:

Equipment Maintenance

When you open the lids, be careful not to be hurt by the edges.

Air filter cleaning

The air filter is between air pump and atmosphere. Thus some foreign materials may hide on the lids (a small amount of liquid, powder and particles). The lids shall be checked and cleaned every day.

CUSTOMER ACKNOWLEDGEMENT

Version	Revision Date	Pro-Pack Sales PIC (Name/ Signature)	Customer Acknowledgement (Name/ Signature)
A	04 Jan. 2023		