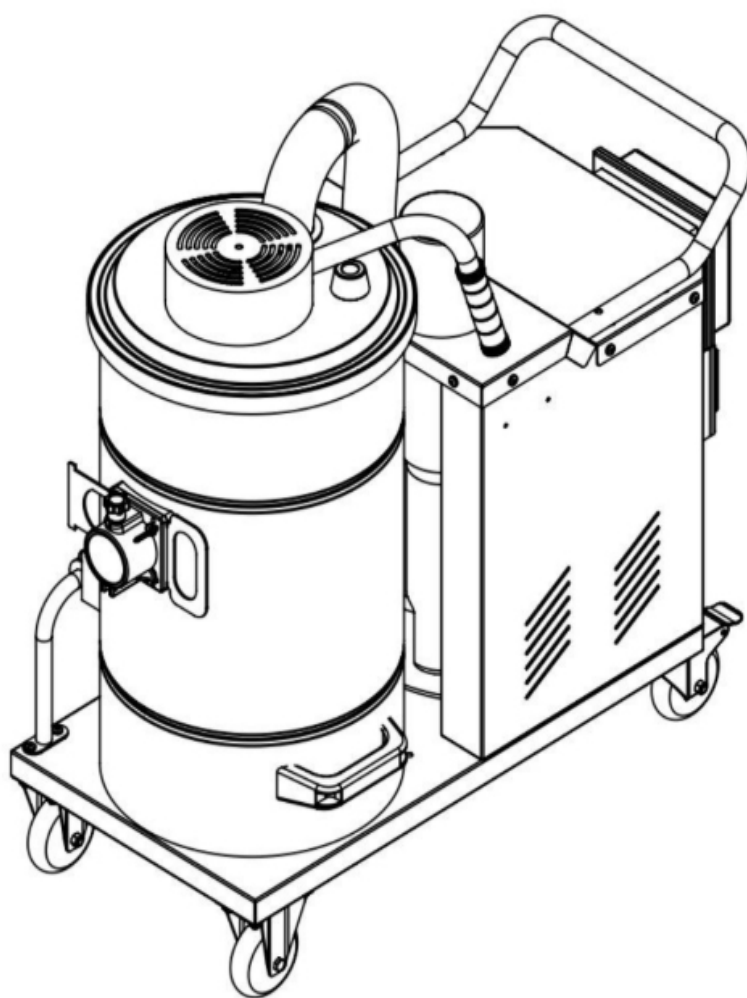




Instruction Manual

INDUSTRIAL VACUUM CLEANER DP-CVC1124

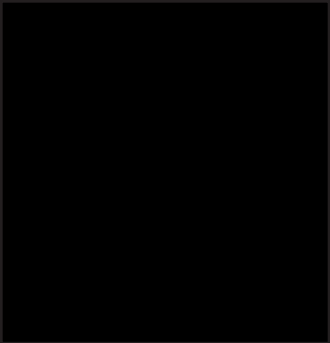


Please read the instruction manual carefully before use

For any service-related issues, please contact us:

Phone Number: 718-301-8243

Email address: support@dapper-supply.com

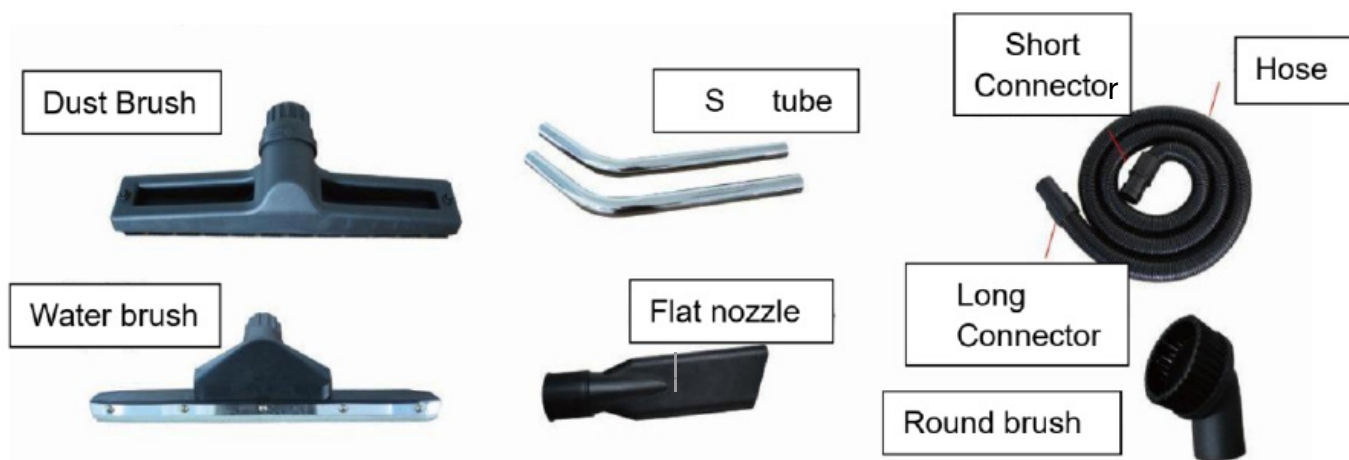


CONTENTS

Parts List	4
Safety Notice	5
Warning	7
Operation Steps	9
Circuit Diagram	15
Maintaince	16

PARTS LIST

Standard Accessories



Specifications

Product name:	Industrial Vacuum Cleaner	Model No.:	DP-CVC1124
Rate Voltage:	3 Phases, 220V/ 60Hz	Rate Power:	3000W
Max Suction:	26KPA	Noise level:	72dB(A)
Airflow:	380	Weight:	220 lbs
Machine Size:	37.4 × 16.5 × 39.4 in		
Production Standard:	  		

SAFETY NOTICE

Signal:

In the manual, there are the following signals



Danger: Indicates a potential hazard. Failure to follow the instructions may cause serious injury or damage.



Caution: Indicates a possible risk. Failure to follow the instructions may result in damage or malfunction.



Information: Provides important details about operation, production, or usage recommendations.

Precautions:

In the manual, there are the following signals



Pay attention to environmental factors that may affect the equipment, such as static electricity, high temperatures, and vehicle movement.



The power supply, plug, and socket must comply with national safety regulations.

1. Avoid damaging the power cord by squeezing, twisting, or pulling it.
2. Inspect the power cord regularly for any signs of wear or damage.
3. If the power cord is damaged or the machine malfunctions, replacement or repair must be carried out by qualified technicians.
4. When not in use, store the machine in a clean, dry, and well-ventilated area.



Danger! Risk of Electric Shock

Always ensure your hands are completely dry before plugging in the power to prevent electric shock.



Verify that the dust is suitable for vacuuming.

Wet dust can quickly clog the filter bag, reduce ventilation and filtration efficiency, and may cause machine malfunction.



Danger! Risk of Electric Shock

Always disconnect the power supply before cleaning or performing any maintenance on the machine.



Vacuum cleaners must not be used to absorb flammable, explosive, toxic, corrosive, volatile, or radioactive liquids and gases. **They must also not be used in places containing flammable or explosive dust and gases, such as flour mills, aluminum powder plants, coal dust factories, or chemical environments. This machine is not explosion-proof. It is only suitable for light water cleaning—do not use it to suction large amounts of water directly.**



The surface temperature of the inhaled substance must be $\leq 60\text{ }^{\circ}\text{C}$ (140 °F).



Take care of your safety!

If a locomotive is used for equipment transportation, ensure the equipment is firmly secured with straps or pipes to prevent accidental sliding.

WARNING

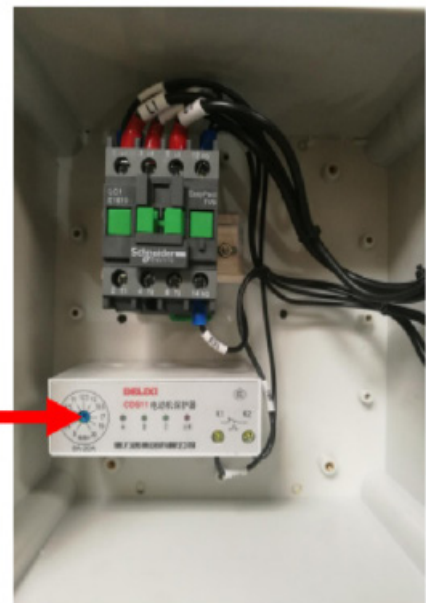
WARNING! IMPORTANT-Read all safety warnings and instructions

BEFORE USE

Before operating the machine, please ensure the supply voltage matches the value shown on the machine's nameplate! This device must never be used to suction high-temperature or open-flame objects, as this may create a serious fire hazard!

1. If the machine automatically trips for protection, open the electrical box and check whether the motor protector is overloaded. If it is overloaded, adjust the current to a higher level (see picture: current regulator adjustment). For other issues, please contact customer service.

Current Regulator



When the suction of the machine decreases, please follow these steps:

- I. Check if the filter is blocked.
- II. Check whether the suction at the barrel vacuum port is normal (this helps determine if the issue is with the motor or if the filtering/collection section is blocked).
- III. Check if the accessories and hoses are blocked.
- IV. Check if the barrel has any leakage (especially at the lid connection).

If leakage is found, please do the following:

- Check whether the sealing strip is firmly attached to the machine body.

3. Power wire selection: Use 3 live wires and 1 ground wire.

Select a cable that matches the machine's power requirements. This machine operates on three-phase electricity with a frequency of 60Hz. Ensure the power supply complies with the specifications on the machine's nameplate.

4. Solutions for static electricity in the machine and hose:

4.1 Check whether the ground wire is properly connected and making full contact with the floor. (A switch with a ground wire must be installed, and the ground wire must be connected to the earth.)

4.2 Verify that the machine's ground chain is intact and in contact with the ground. If not, replace or add a ground chain promptly to ensure proper contact.

4.3 Confirm whether the work site is insulated. Insulated ground cannot discharge static electricity. If necessary, install a static discharge wire and connect it to the nearest location capable of releasing static electricity.

5. When the machine is running but the motor is not working, follow these steps:

I. Check whether the wire connections are loose and whether the electrical supply is normal (use a multimeter).

II. Open the electrical box panel and check if the regulator for the motor protector is in the correct position.

III. Check if the AC contactor is functioning (use the button on the AC contactor with an insulating object to test).

IV. Press the green button on the AC contactor and use a multimeter to measure if the upper and lower three phases are working.

V. Check if the motor is normal:

a. Use a multimeter to check whether any of the three live wires have continuity with the motor housing.

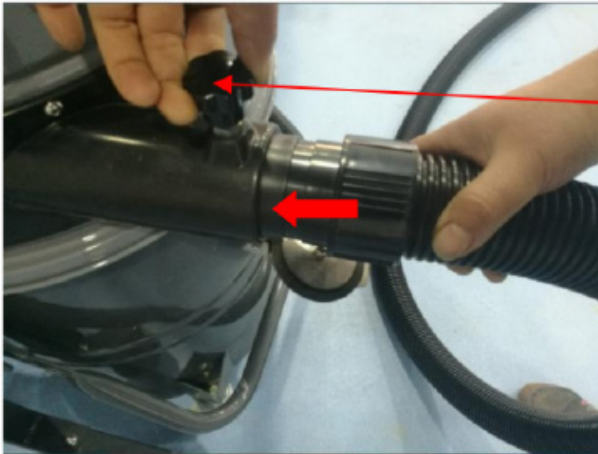
b. Test if the motor runs using the short-circuit method (do not directly connect the power line and motor line to the AC contactor).

c. Use a multimeter to confirm whether the three motor phases are consistent; if they are not, it indicates an open phase.

6. If the machine has a thermal overload relay, press the green button to check if the motor operates. If it does not, replace the thermal overload relay.

OPERATION STEPS

1. Please ensure the supply voltage matches the voltage shown on the machine nameplate.
2. Insert the connecting nozzle of the vacuum hose into the vacuum cleaner (pull up the pull pin and insert it into the vacuum port).



pull up the pull pin and
insert it into the vacuum
port

3. Connect the S-tube and insert it into the hose with the rubber end.

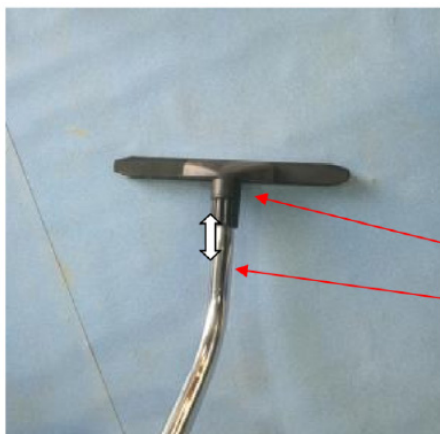


Connect two S tube



Insert the S tube into rubber

4. Insert the curved tube into the vacuum cleaner (pull up the pull pin to lock it in place).



Insert the vacuum
cleaner into the S-shaped pipe

The rubber joint end of the hose can also be connected to a flat suction nozzle or a round brush (as shown in the picture).



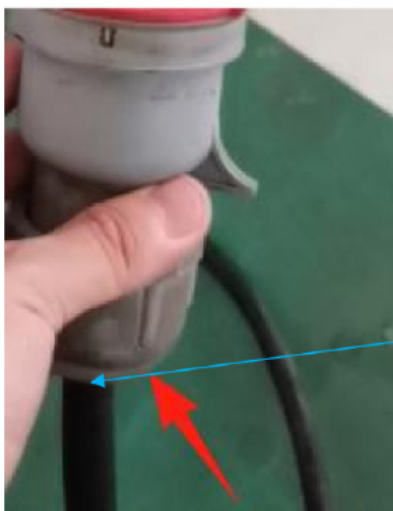
5. Industrial waterproof plug with cable connection instructions:

1) Use a screwdriver to press the iron plate and rotate it to open the plug (as shown in the picture).



Press the iron plate with a screwdriver and rotate it to open the plug

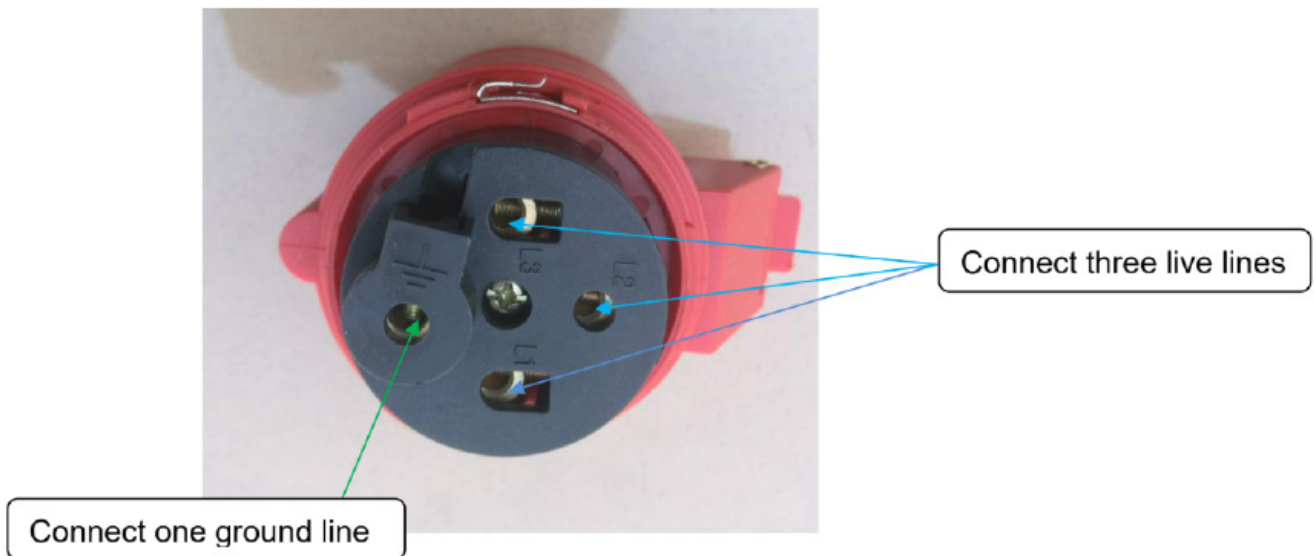
2) Pass the cable through the bottom opening of the socket.



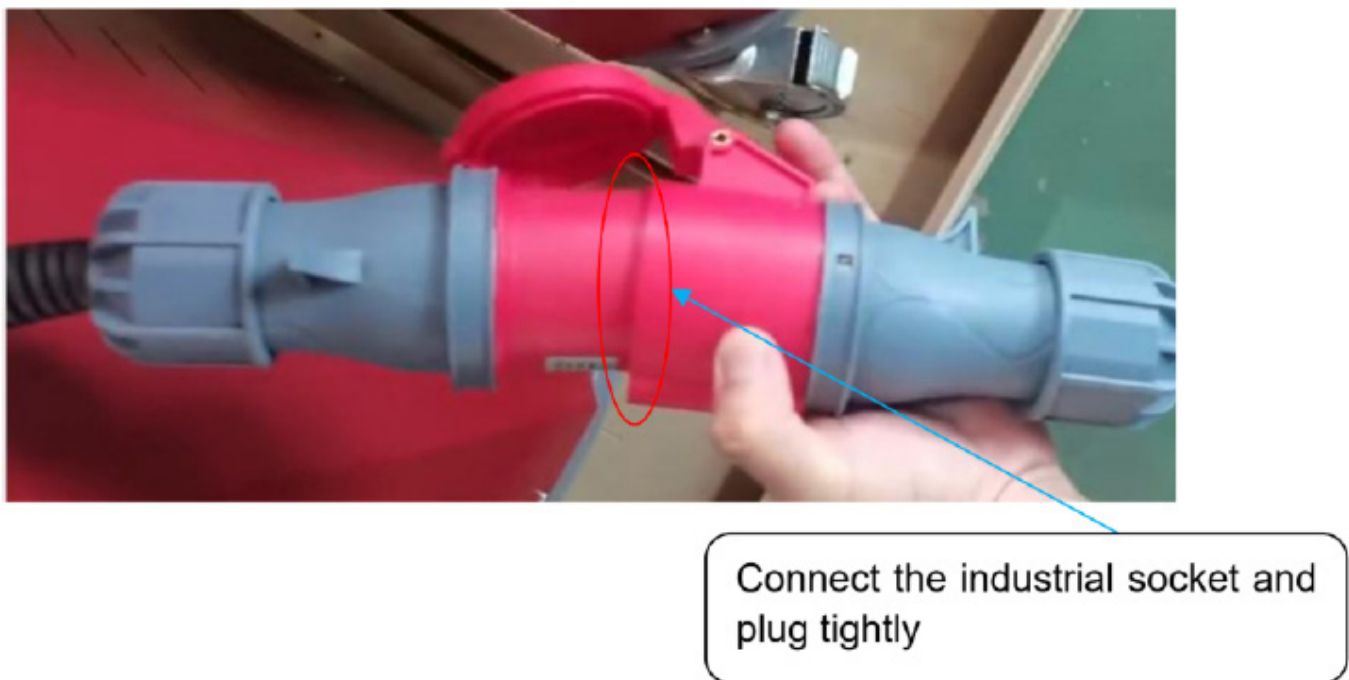
Pass the cable through the bottom of the socket

3) Wiring method: There are three live wires marked L1, L2, L3 and one ground wire. Connect them as follows:

The ground wire must be connected; otherwise, static electricity will be generated. Always ensure the ground wire of the power cord is properly connected to the earth!

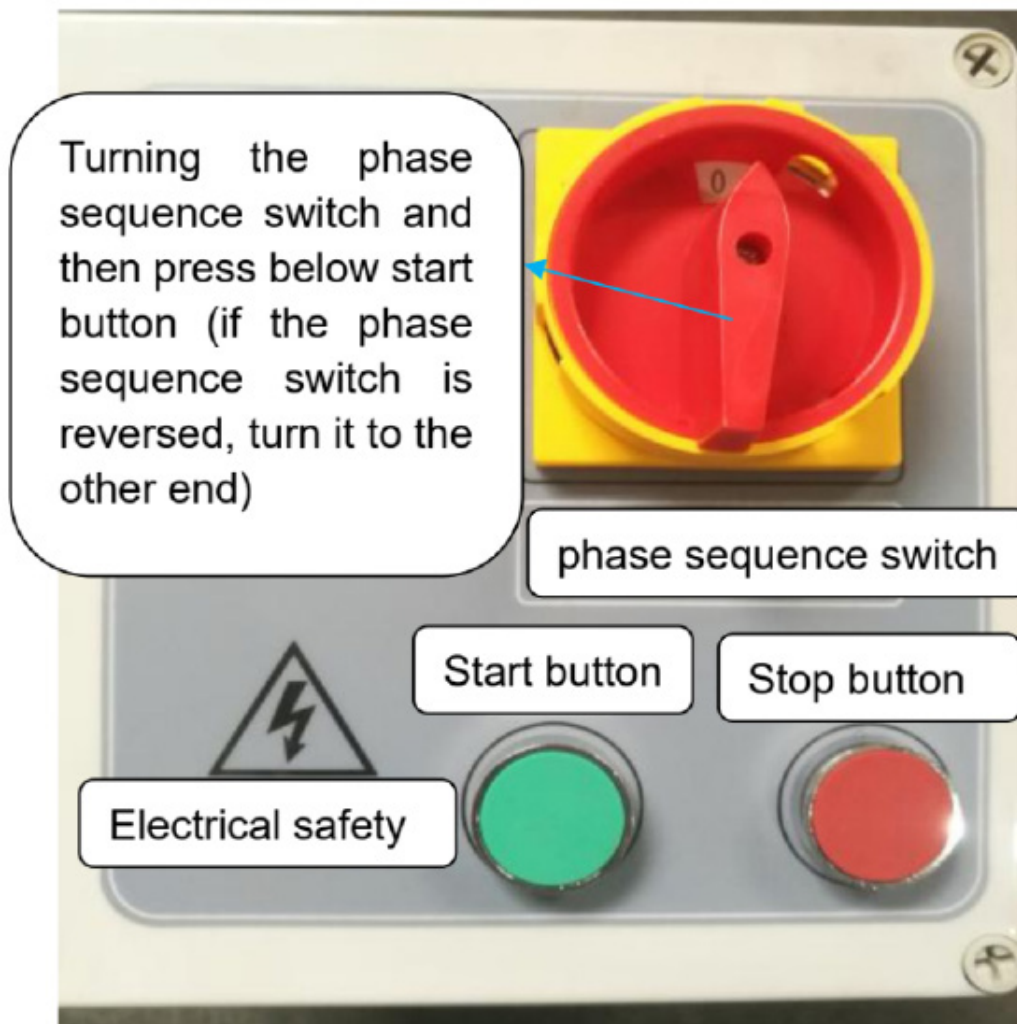


4) Connect the industrial socket to the plug.



 Information: The plug must be fully inserted to the bottom to avoid poor contact.

6. Operation button instructions



7. Electrical Control Instructions





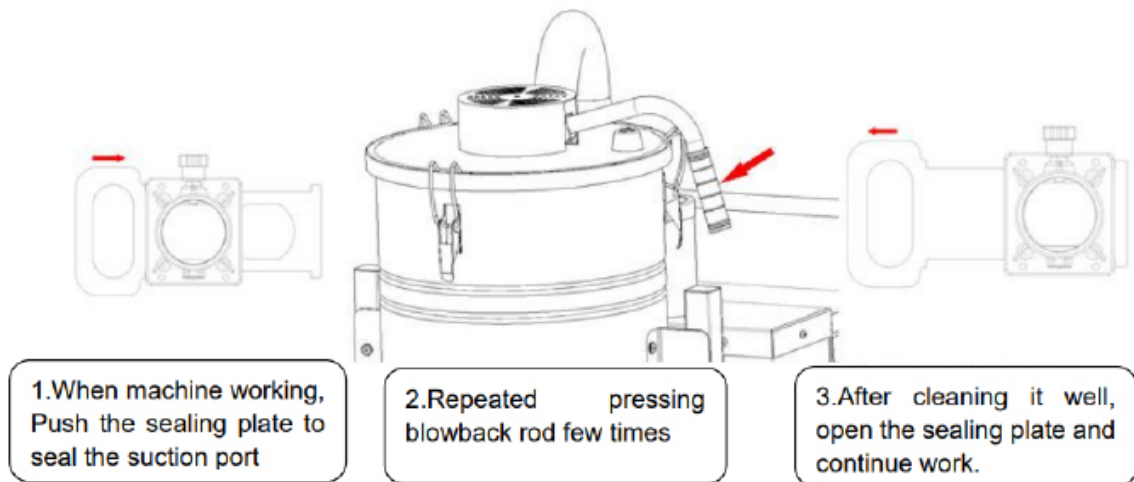
Information-Instructions:

- 1) ABC overload indicates phase loss, phase imbalance, or overload.
- 2) Identify the machine failure according to the displayed prompts.
- 3) Notice! Adjust the current regulator if the machine trips.

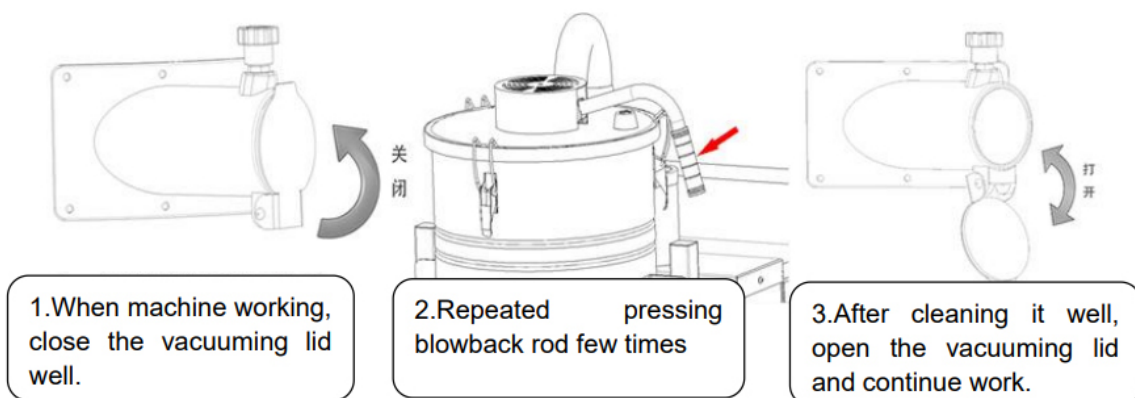
8. Cleaning the filters:

When the filter becomes clogged and suction decreases, the filter must be cleaned manually.

- 1) Manual blowback: Without stopping the machine, close the suction port and press the blowback rod a few times by hand to clean the dust (using the aerodynamic principle).



Method 1

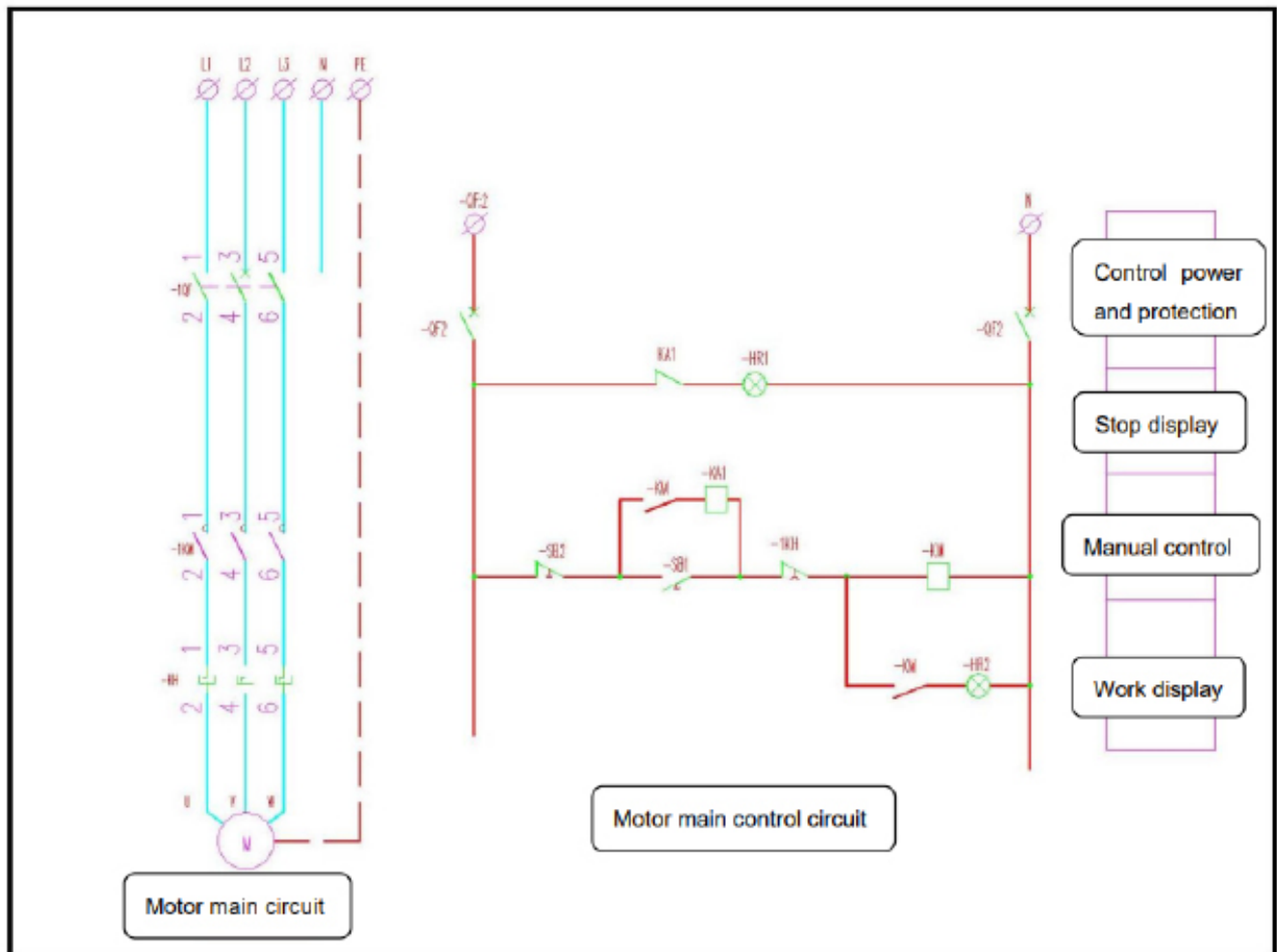


Method 2

2) Cleaning filter: Stop the machine, then remove the filter from the machine. When the filter cannot be cleaned properly for a long time and suction is affected, you can use air to blow the filter from the inside out (as shown in the picture).



CIRCUIT DIAGRAM



MAINTENANCE

- The power supply must be disconnected before performing maintenance on the machine.
- The responsible person must inform the operator of all relevant terms and conditions.
- Before using the machine, carefully read this manual. Untrained personnel or non-operators are not allowed to use the machine.
- The machine can only remove toxic substances when fitted with a special filter, which can be provided upon request.
- Fine dust and toxic dust must be handled with a suitable filter. Customization is available through us or the dealer when purchasing the machine.
- Do not remove any parts from the machine's outer packaging if they are designed to be fixed.
- Do not leave mixed materials on the horizontal guard.
- Ensure the personal safety of people nearby, especially children, when operating the machine.
- Do not change direction while the machine is operating on a slope.
- Engage the brake wheel when the machine is stationary.
- Turn off the power supply when the machine is not in use.
- Only qualified technicians may repair the machine.
- Be careful with the power cord; do not trip over it or kick it.
- Regularly check the power cord for damage. Do not use the machine if the cord is damaged.
- When replacing the power cord or switch, ensure the replacement is waterproof and high quality.
- Do not drag the machine by pulling the power cord or vacuum hose.
- Replace the motor brush head or fuse only at an authorized dealer.
- Dispose of waste collected by the vacuum cleaner according to the law.
- Do not use the vacuum cleaner in corrosive, flammable, or explosive environments.
- Ensure the items being vacuumed do not contain foreign substances that could affect operation and injure the operator.
- Do not use flammable or toxic solutions such as gasoline, benzene, or alcohol to clean the machine.
- Avoid prolonged contact with cleaning agents or inhaling their vapors.
- Do not operate the machine near fire or excessive heat.
- Never use the machine without a filter.

Fan Maintenance

1. The fan should be placed on a stable surface in a clean, dry, and well-ventilated area.
2. The fan impeller must rotate in the direction shown by the arrows on the fan cover and muffler.
3. Since the fan has no direct contact or friction except for the two bearings on the motor rotor, regular maintenance and lubrication of the bearings at both ends are sufficient, similar to standard electric motor maintenance.
4. Clean the inlet and outlet filters and mufflers as needed; clogged airflow will affect operation.
5. All external connections at the inlet and outlet must be made using hoses.
6. If you encounter any problems during use, please refer to the form below to identify the cause.

If you encounter any problems during use, please refer to the form below to identify the cause.



When fixing or cleaning the machine, always turn OFF the power and keep the plug disconnected.

Error	Reason	Method
Motor does not work	No voltage	Check cables, wires, plugs, fus-
	Switch setting wrong	Turn on the motor switch
	No electric power from socket	check the electric situation
Motor reverse	Live wire connected reversely	Swap the positions of the two live wires at the plug (either one)
Motor coil burned	The current exceeds the capacity	Check power supply and voltage
	Phase loss	Check cables, wires, plugs, and sockets
	Blocked and long-term vacuum load	Repair the motor
		Cleaning the filter
Weakened suction	The filter, nozzle, or vacuum hose is clogged or damaged	Empty the dust bin
		Remove any obstructions from the vacuum cleaner and vacuum hose
		Clean/replace the dust filter
Dust spills when vacuuming	The filter is installed incorrectly or is damaged	Check the filter bag's installation position
		Check the filter for damage
		Check the seal

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