

# Instructions for series industrial vacuum cleaner



## **AX1030E Cleaner User Manual**

## Warranty

Dear user:

Thanks for using our products, according to//Law of the PRC on the protection of the Rights and Interests of consumers//and state Quality Supervision Bureau related provision, we provide service on the basis of instruction and valid invoice as follows:

- This product is through strict quality management and inspection
- Please Keep instructions, this is the only credential to enjoy warranty service.
- Once you couldn't exclude troubles, please contact us as following ways: Warranty period: According to instruction and valid voice, contact after-service members Outside the warranty period: According to related stipulation, We will charge

Attention:

Don't disassemble, there is danger.

Warranty period:

Free one-year warranty, exclude parts (hose, filter and accessories).

# Safety and precautions

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**Please read and carry out these instructions before starting to operate the equipment. Save these operating instructions for future reference or for other operators. Failure to follow the warnings and instructions may lead to electric shock, fire, explosion or serious personal injury. The manufacturer shall not bear any responsibility for the damage caused by not following the warnings and instructions.**

1. Before use, please ensure that this equipment must be used by trained and qualified personnel.
2. When operating the machine, repairing the machine or replacing accessories, please always wear a resistant eye mask and mask (face protection device). Even a small projectile will hurt your eyes and may lead to blindness.
3. Connect the compressed air source after connecting all accessories. When it is necessary to replace accessories or carry out maintenance, please unplug the compressed air source before operation.
4. Do not try to absorb corrosive substances, volatile substances, high-temperature substances and other special substances.
5. When connecting the compressed air connector, please check whether the connector is tight or leaking, so as to avoid the quick connector popping out and hitting the human body, thus causing serious injury.
6. The winding of compressed air intake pipe will cause serious danger. Please check it at any time and relax the air pipe and put it in a proper position.
7. The minimum air pressure should not be less than 5 kg, and the

maximum air pressure should not exceed 8 kg, so as to avoid the danger caused by the bursting of the trachea joint.

8. If foam or liquid leaks from the equipment, please turn it off immediately.
9. Do not use the equipment for vacuum cleaning without a filter. If the filter is damaged, please replace it immediately.
10. Do not try to absorb corrosive substances, volatile substances, high-temperature substances and other special substances, and do not absorb flammable and explosive dust for conventional machines.
11. Explosion-proof machines can be used in dust explosion-proof areas A21 and A22. Please do not use them in other explosive areas.
12. This equipment should not be used or stored in the open air under wet conditions.
13. Do not fold, pull or step on the hose.
14. If you find performance degradation or any abnormality during operation, please turn off the vacuum cleaner immediately.
15. Disconnect the air source of the vacuum cleaner. Please disconnect the air source of the vacuum cleaner when not in use, before maintenance or when replacing accessories.
16. Please clean and maintain the vacuum cleaner immediately after each use to make it in the best working condition.
17. Take care of the vacuum cleaner. Keep the vacuum cleaner clean to improve the performance and safety of the product. Replace the accessories according to the instructions. Keep the vacuum cleaner dry and clean, free of oil, grease and corrosive substances.
18. Check for component damage. Before further using the vacuum

cleaner, carefully check whether all parts of the vacuum cleaner are damaged to ensure the normal operation of the machine, and check whether the parts are deviated, blocked, adhered, damaged, properly installed and other conditions that may affect the operation of the vacuum cleaner.

19. Replace parts. When carrying out maintenance, please only use the same replacement parts as before.
20. Store idle vacuum cleaners. When not in use, the vacuum cleaner should be stored indoors.
21. Be kind to the vacuum cleaner. No matter how strong the vacuum cleaner is, it will be damaged by rough operation.
22. Do not use corrosive cleaning chemicals to clean the outside or inside of the tool. Otherwise, the vacuum cleaner may be damaged or discolored.
23. After cleaning, please place the trachea properly, otherwise you may trip people.
24. Please check the quick connector of compressed air regularly. If there is looseness or air leakage, please replace it in time to prevent it from happening.
25. Do not operate the vacuum cleaner while taking medicine or drinking alcohol.
26. Please use dust mask in dusty working environment or when cleaning vacuum cleaner.
27. This equipment shall not be used by people who are not familiar with the operating instructions or who lack experience and knowledge.
28. Pay special attention to safety when cleaning stairs or working high

above the ground.

29. Please place the machine stably when using, and use external force to help fix it if necessary. The machine may fall or move, causing personal injury.
30. Please don't put your hands in the connected position when inserting or installing the dust bucket or installing the machine head to avoid being pinched.
31. Please observe the relevant safety regulations applicable to the pumped materials.

Other applications beyond the specified range are regarded as incorrect applications.

### **emergency**

If there is an emergency, please turn off the machine immediately and unplug the trachea.

# Component name



e machine pictures are for reference only, and the products are subject to the real using.

## Standard configuration packing list

name	vacuum cleaner	flexible pipe	Arc handle	Short joint	Straight steel pipe	Vacuum scraper	Sharp suction nozzle	Circular brush	Instructi ons
quantity	one	2.5 meters	one	one	1 root	one	one	one	1 book

Vacuum scraper    steel tube    Arc handle    Flat suction nozzle    flexible pipe    brush



name	vacuum cleaner	flexible pipe	Long joint	Short joint	S-shaped steel pipe	Vacuum scraper	Flat suction nozzle	Circular brush	Instructi ons
quantity	one	2.5 meters	one	one	1 root	one	one	one	1 book

flexible pipe    steel tube    Vacuum scraper    Flat suction nozzle    brush



## technical parameter

parameter	Unit	AX1015 (regular model) AX1015E (explosion-proof)	AX1030 (regular model) AX1030E (explosion-proof)
type of drive	——	pneumatic	pneumatic
capacity	l	15 (single barrel)	30 (single barrel)
filter area	cm <sup>2</sup>	10800	10800
Filter area _2	cm <sup>2</sup>	6480	6480
Filtering accuracy	μm	0.3	0.3
Air flow rate	m <sup>3</sup> /h	150	150
Vacuum suction	mbar	280	280
noise	dB	53	53
Air source pressure	MPa	0.5-0.8	0.5-0.8
gas consumption	m <sup>3</sup> /min	0.4	0.4
Tracheal requirements	mm	8*12	8*12
Tracheal length	m	five	five
Suction diameter	mm	32	32
Filter cleaning mode	——	Manual cleaning	Manual cleaning
product size	mm	400*400*620	400*400*800

Remarks: The manufacturer reserves the right to change the specifications without prior notice.

Product parameters may be different due to different customer requirements or configuration

differences. Standard annexes are subject to change without notice.



## Before starting

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**Before using the machine for the first time, read the information contained in these operating instructions and follow them: Failure to follow these operating and safety instructions will cause damage to the equipment and harm to the operators and other personnel.**



Packaging materials can be recycled. Please don't throw the package into the trash can, it should be kept for recycling.



Old equipment contains valuable and recyclable materials, so harmful substances should not be thrown into the surrounding environment, and old equipment should be recycled and disposed of according to appropriate methods.

## Start operation

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**When it is necessary to use the extension air pipe because it is far away from the air source, please ensure that the air supply quantity and air pressure of the vacuum cleaner meet the use requirements, otherwise the suction of the vacuum cleaner will be affected.**

## 1. Safety inspection before use

### Beware of danger



- Before use, please check whether the quick connector of the air supply end is consistent with the specifications of the quick plug of the vacuum cleaner.
- Before use, please check whether the air pipe at the air supply end is consistent with the specifications of the air pipe of the vacuum cleaner.
- Please check whether there is air leakage in the quick connector before use, so as to prevent the quick connector from popping out and hitting human body, thus causing serious injury.
- Before use, please check whether the compressed air intake pipe is entangled, which will lead to serious danger. Please check at any time and relax the air pipe and put it in an appropriate position.

## 2. Confirm that the air source meets the requirements of vacuum cleaner.



Before use, please make sure that the air supply quantity and pressure of the air source are within the requirements of the vacuum cleaner. If it is too small, the suction effect will be poor. If it is too large, it may cause the quick connector to pop out and hit the human body, thus causing serious injury.

## 3. Conditions of use:

- Air supply pipeline pressure:  $0.5\text{Mpa} \leq \text{working value} \leq 0.8\text{Mpa}$ .
- Air supply quantity of air supply pipeline:  $0.4\text{m}^3/\text{min}$  (air supply quantity refers to the air supplied to the vacuum cleaner).

- Diameter of air supply pipeline: 8mm inner diameter and 12mm outer diameter.

#### **4. Fixed equipment does not move.**

Step on the parking brake and fix the equipment without moving, a total of four. Break up the parking brakes on both sides to move the machine.



#### **5. Make sure that the filter is installed correctly.**

Please make sure that the filter is not damaged and installed in place.








#### **6. Connecting vacuum cleaning accessories**

Ensure that the vacuum cleaning accessories are connected correctly. Please select the type of suction head according to the use requirements.

## 32mm caliber fittings connection

	<p><b>Hose and joint connection:</b>          Rotate the short connector counterclockwise and connect it to both ends of the hose until it is connected.          If the short connector is removed, hold the connector and turn it clockwise until it is screwed out.</p>
	<p><b>The hose is connected with the arc handle;</b>          Put the fittings inside the arc handle on the hose in sequence, and then turn it counterclockwise and tighten it.</p>
	<p><b>The arc handle is connected with the telescopic steel pipe;</b>          Insert the other end of the arc handle directly into the end of the telescopic steel pipe with the black sealing ring.</p>
	<p><b>The short connector on the hose is connected with the vacuum cleaner;</b>          Pinch the hose short connector, aim at the four-way interface of the vacuum cleaner and insert it until you hear a "click".          If it is removed, first press the button on the square interface with one hand and pull out the short connector with the other hand.</p>
	<p><b>Telescopic steel pipe:</b>          By pushing the black button, you can freely adjust the length of the steel pipe.</p>
	<p><b>The steel pipe is connected with the dust suction scraper;</b>          Special for vacuum cleaning, when connecting, insert the steel pipe directly into the vacuum cleaning bar.</p>
	<p><b>The circular brush and the flat suction nozzle are connected with the long connector;</b>          Round brush: In the places where the suction scraper is not easy to suck, such as the window sill and corner, you can use a round brush, and when using it, you can directly connect the brush with the arc handle.          Flat suction nozzle: flat suction nozzle can be used in corners and crevices, and it can be directly connected to the arc handle when using.</p>

## 40mm caliber fittings connection

	<p><b>Connector and hose connection:</b></p> <p>Rotate the connectors counterclockwise and connect them to both ends of the hose until they are connected. If the connector is removed, hold the connector and turn it clockwise until it is screwed out.</p>
	<p><b>S-shaped steel pipe connection:</b></p> <p>Put the fittings inside the arc handle on the hose in sequence, and then turn it counterclockwise and tighten it.</p>
	<p><b>The long joint on the hose is connected with the steel pipe:</b></p> <p>When connecting, insert the steel pipe directly into the long joint to ensure tight connection.</p>
	<p><b>The connector on the hose is connected with the vacuum cleaner;</b></p> <p>Pinch the hose nipple, align it with the air inlet of the vacuum cleaner and insert it, then you can hear a "click". If it is removed, first press the button on the square interface with one hand and pull out the short connector with the other hand.</p>
	<p><b>The steel pipe is connected with the dust suction scraper;</b></p> <p>Special for vacuum cleaning. When connecting, directly insert the steel pipe into the vacuum cleaning bar.</p>
	<p><b>The round brush is connected with the long joint;</b></p> <p>In places such as window sills and corners, where the dust scraper is not easy to suck, you can use a round brush to suck while brushing. When using it, you can directly connect the round brush to the long connector.</p>
	<p><b>The flat suction nozzle is connected with the long connector;</b></p> <p>The flat suction nozzle can be used in corners and places with gaps, and the flat suction nozzle can be directly connected with a long connector when in use.</p>

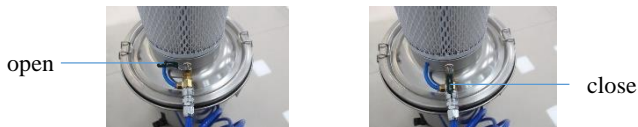
## 7. Connecting trachea connector

- Close the air valve of the air supply pipeline.
- Connectors at two ends of the air pipe are respectively connected with the air pipe connectors of the dust collector and the air supply pipeline.
- When connecting, press the female lock, connect the male, and release the female lock to complete the installation.
- In order to verify whether the pipe connection is firm, pull the pipe with appropriate force, and the pipe will not be pulled out.
- When removing the air pipe, first close the air valve of the air supply pipeline, then close the air valve of the vacuum cleaner after the compressed air in the pipeline is exhausted, press the female lock, and then gently pull out the air pipe.



## 8. Start the air source switch

- Power on: The switch handle shows that the machine is turned on.
- Shutdown: The switch handle shows that the machine is shut down.



## 9. dust absorption

### pay attention to

Please pay attention to the following when switching from wet suction to dry suction:

If dry dust is sucked when the filter element is still wet, the filter will be blocked and damaged beyond repair.

- Before use, properly dry the wet filter or replace it with a dry filter.
- Replace the filter as needed.

## 10. switch an electrical device off

- Turn off the vacuum cleaner and unplug the air pipe.
- Remove the suction head and hose as required, and clean and dry with water.
- Empty the dust bin.
- **Clean and wipe the inside and outside of the equipment. Do not wipe the machine with corrosive liquid.**

# Maintenance and maintenance

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## Watch out!

Before operating the vacuum cleaner, do not turn off the air source of the vacuum cleaner and pull out the air pipe.

## Hose blockage treatment

If there is a foreign object stuck in the hose, you can unplug the hose and put the front end of the hose in the air inlet of the vacuum cleaner, so that the air in the hose can circulate reversely to suck out the foreign object.

## Clean the dust bucket

The suction height of the dust bucket should not be higher than 2/3 of the dust bucket. When the inhaled substance is located at 2/3 of the dust bin, the dust bin must be emptied.

- Turn off the equipment and place it on a flat ground to ensure that the machine is fixed.
- Pull the barrel buttons on both sides of the nose upward.
- Take out the nose.
- Empty the dust bin and put it back in reverse order.





## Filter cleaning

Please clean the filter immediately when the suction of the machine is weakened.

- Turn off the air supply and unplug the trachea.
- Open the machine head, remove the filter (see chapter "Replacing the filter"), and blow it out from the inside of the filter with a pneumatic gun to clean it.
- If the cleaning still does not bring any improvement, replace the filter (see chapter "Replacing the filter").

## Replace filter

- Turn off the vacuum cleaner and unplug the air pipe.
- Loosen and pull out the connecting hose from the suction end of the vacuum cleaner.
- Remove the fixing nut and anti-skid pad under the high-efficiency filter, and the filter can be taken out.
- When installing, put the high-efficiency filter into the screw, with the side with the sealing ring close to the top cover, and then lock the high-efficiency filter with the butterfly nut in turn (Figure 186).



# debugging

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## When the vacuum cleaner has no suction.

- 1) Check whether the air source meets the use conditions.
- 2) Check whether the liquid is full, and pour the liquid in time.
- 3) Check whether the material inlet of the vacuum cleaner is blocked.
- 4) Check whether the main filter is blocked, otherwise it should be cleaned or replaced in time.
- 5) Check whether the muffler filter is blocked, otherwise it should be replaced.
- 6) Check whether the machine parts or barrel seals are damaged. If damaged, replace the damaged parts in time.

## Special instructions:

1) Determination of air supply pipeline pressure: When the air valve is closed, the displayed value of the pressure gauge is the current air supply pipeline pressure.

2) Determination of air volume in air supply pipeline: When the air valve is opened and the vacuum cleaner works, the displayed value of the pressure gauge drops continuously, indicating that

There is not enough gas in the pipeline.

3) Determination of vacuum degree of vacuum cleaner: When the air valve is opened, the vacuum cleaner works and the suction port is completely closed, the

vacuum cleaner reaches the maximum vacuum degree.

4) In the process of use, the components that belong to normal consumption include filters and dust collection accessories.

## Warranty statement

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-the three guarantees of this product shall be implemented in accordance with the national three guarantees regulations.

-Free service scope: within the normal use scope, users can enjoy one-year free service of the whole machine with the invoice and warranty certificate (except for wearing parts, which include connectors, hoses, steel pipes, filters, vacuum cleaners, suction cleaners, round brushes, flat suction nozzles and filters).

-We provide paid services for the following situations: damage caused by improper use, maintenance and storage of users. Damage due to abnormal voltage, fire and other external reasons. Damage is caused by disassembly by the repairer who does not undertake the three guarantees by himself or herself. Exceeding the validity period of "Three Guarantees". Altering the invoice or without the purchase invoice and warranty certificate. The product model and manufacturing code of the warranty certificate are inconsistent with or altered with the repaired product. Damage caused by force majeure.



-If you need related consultation and service, please call the service hotline  
020-81509265, and we will serve you wholeheartedly.

# Warranty card:

Machine number		Date of purchase		
name of user		address		
Supplier name		invoice number		
Maintenance date	Maintenance record	Replace parts	Maintenance personnel	Customer confirmation