

	have switched the motor off to prevent overheating.	2. Turn off the cleaner, Leave the machine for a few minutes to cool down. 3. contact the after-sales service
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**INSPECTION & MAINTENANCE**

For safety use, make sure a three-month clean the appliance .Before working, make sure inspect the filter and the nozzle, make sure there is no impurity. After working, make sure there is no water in the pump and the hose.

If the product needs to be repaired in the guarantee period, please return the product to the shop. You need to provide the certificate of purchase in order to repair or get the substitute.

Before Packaging, The appliance should be cleaned, then use closed packaging, packaging should be firm. Store the appliance in dry.

For transportation safety, the appliance should comply with ISTA .



Meaning of crossed - out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact you local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

**NINGBO HUAXUN CLEAN MACHINERY CO., LTD.**

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# User manual

## High Pressure Cleaner

### HXA2000BA, HXA1800BA, HXA1500BA

Original  
Instructions



Made in China



Read the instructions before using the machine



Appropriate ear protection has to be used when you use the cleaner



wear safety glasses when you use the cleaner



**Warning symbol: Machine not suitable for connection to the potable water mains**

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ACCESSORY (Bild. 1)



- 1 High pressure washer
- 2 Wheel
- 3 Inlet connector
- 4 Outlet connector
- 5 Handle
- 6 Trigger gun
- 7 Detergent bottle

Technical Data:

	HXA2000BA	HXA1800BA	HXA1500BA
Rated pressure	10.0MPa	9.0MPa	8.0MPa
Permissible pressure (max.)	14.0MPa	12.5MPa	11.0MPa
Inlet (max.)	0.3MPa	0.3MPa	0.3MPa
Rated flow	6.0 l/min	6.0 l/min	6.0 l/min

Switch off the appliance and disconnect the electric plug from the power socket  
Detach the pressure hose. To drain the residual water, lift up the jet gun and squeeze the trigger.

User maintenance and Repair

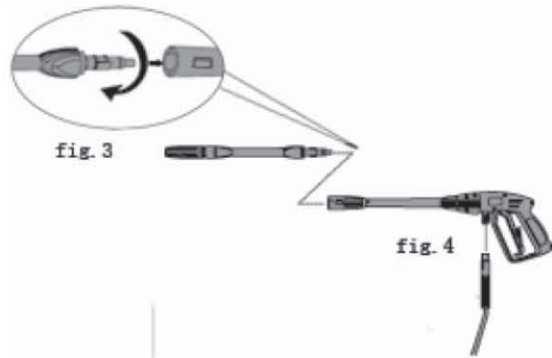
Disconnect from the electrical power supply before carrying out user maintenance.  
Turn off the water supply at the tap and press the trigger to discharge the pressure.  
Lubricate the fixing periodically using the lubrication oil.  
When the water pressure is not consistent or too high, it shows the signal of defect hose or accumulation of the Calcium in the nozzle.  
Turn off the machine immediately.  
Use the nozzle cleaner to clean the hose and the water inlet filter.  
Change the defective filter.  
Make sure that the machine is clean and clean the components when necessary.  
Follow the operation-instructions for the different parts. Pluggable ring-nuts are used to connect the gun, hose and other parts.  
The seals of the ring-nut connections shall not be damaged  
Turn the detergent tank and fasten it to the foam nozzle.  
Connect the foam nozzle with the jet gun.  
Turn on the machine. input the cleaning agent by a proportion of 1%. Warning: Use only the cleaning agent supplied by the manufacturer or their after-sales service.  
Keep the appliance safe and store them carefully in a secure dry place. Always store the machine out of the reach of children.  
Avoid storing the washer in temperatures below frost point.  
Cut off the power if the appliance malfunctions

Problem and solution

Warning! Disconnect from the electrical power supply before carrying out user maintenance.  
If the mains cable is damaged it must be replaced by the manufacturer, or its service agent or similarly qualified person to avoid a hazard.

Possible problem and solution:

Problem	Probable cause	Possible solution
The machine will not start working.	1. no power supply 2. faulty power supply. 3. locking ring of the pump too tight.	1. contact the after-sales service
No enough water coming out, uneven working pressure	1. the filter is blocked 2. inlet connection is not good, air in inlet pipe. 3. the valve is blocked 4. the outlet nozzle is not smooth.	1. Clean the filter. 2. check the connection, tighten the seal. Check whether the hose is clogged or whether there is no enough inlet water. 3. clean the valve and install it again 4. contact the after-sales service
Water leaking from the pump.	3 drops water every minute is permissible, but if more water leaked, may be the Sealing is worn out.	1. contact the after-sales service
The motor stops suddenly.	1. The pressure control worked. 2. The thermal protection may	1. Check if the outlet nozzle is blocked. Clean the nozzle



Connect the nozzle to the jet gun (See fig.3). Turn the nozzle clockwise until it locked in position, the sealing ring shall not be damaged. All spare parts for the jet gun are equipped with ring-nut connection. Connect the hose to the machine. Check that the seal ring is properly seated.

#### Connect to the water supply

The machines are not suitable for connection to portable water mains.

Connect the machine to the water supply. (It can be a water container).

Make sure the inlet water pressure keeps between 0.01MPa and 0.3MPa.

The inlet pipe should at least 5 M long. Do not use the pipe if the pipe is damaged.

If you want connect this machine to portable water mains, you must install a backflow preventer in the water pipe to prevent dirty water flow back to the drinking water system. The backflow preventer shall comply with EN 60335-2-79 ANNEX AA.

#### Overheating protection:

The machine has an overheating protection device. It turns off automatically if it overheats .In this case turn off the cleaner and remove the plug. Remove the cause of overheating. then you can switch it on again.

#### CAUTION

Some painted or treated surfaces may be susceptible to damage from high pressure cleaner. Always keep the proper distance to the surface.

#### Use the appliance

Connect the pressure hose to the water outlet of the appliance, then connect the jet gun to the other end of the pressure hose.

Connect the lance to the nozzle.

Check if the filter is clean.

Connect the water hose to the water inlet of the appliance

Do not bend, twist or fold the hose.

Turn on the water supply at the tap and check the water leakage of the whole machine.

At the beginning the air in the appliance may cause pressure unstable. Discharge the air in the machine by squeezing the trigger until nothing is coming out.

Connect the plug in the socket, then turn on the machine, use two hands to catch the appliance. Squeeze the trigger and work with the high pressure cleaner.

#### Switching off the appliance

Turn off the water supply at the tap.

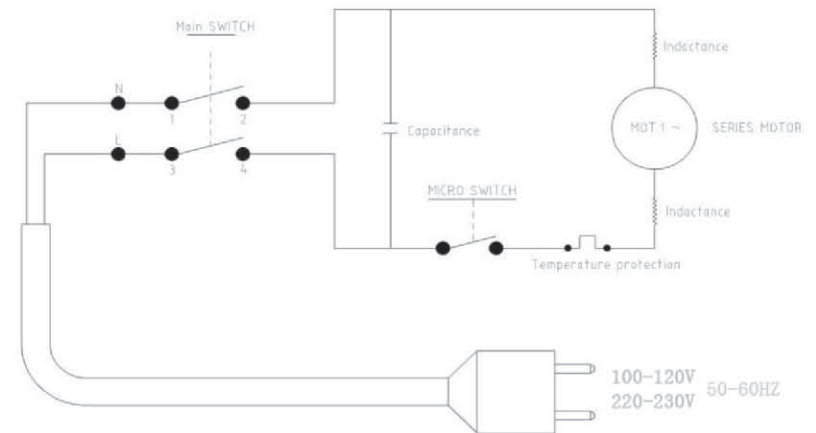
Press the trigger to reduce the pressure in the appliance.

Pull out the water inlet hose, then let the machine run a few seconds to drain the water of storing in the pump.

Max. flow	8.0 l/min	8.0 l/min	8.0 l/min
Rated voltage	100-120V 220-240V	100-120V 220-240V	100-120V 220-240V
Rated frequency	50~60 Hz	50~60Hz	50~60 Hz
Rated power input	2000 W	1800 W	1500 W
Degree of Protection	IPX5	IPX5	IPX5
Protection class	II	II	II
Sound power level	98 dB(A)	98 dB(A)	98 dB(A)
Sound pressure level	80 ±3 dB(A)	80 ±3 dB(A)	80 ±3 dB(A)
Acceleration	1.0±0.15 m <sup>2</sup> /s <sup>2</sup>	1.0±0.15 m <sup>2</sup> /s <sup>2</sup>	1.0±0.15 m <sup>2</sup> /s <sup>2</sup>
Water temperature Max.	40°C	40°C	40°C
N .W	7.5KGS	7KGS	6.5KGS

The appliance can be used for cleaning car, floor, room and so on.

## ELECTRICAL DIAGRAM



## GENERAL SAFETY RULES:

**WARNING:** This machine has been designed for use with the cleaning agent supplied or recommended by the manufacturer ,The use of other cleaning agents or Chemicals may adversely affect the safety of the machine.

**WARNING:** Do not use the machine within range of persons unless they wear protective clothing.

**WARNING:** Risk of explosion-Do not spray flammable liquids.

**WARNING:** High pressure cleaners shall not be used by children or untrained personnel.

**WARNING:** Water that has flown through backflow preventers is considered to be non-potable .

**WARNING:** removing the plug from the socket-outlet during cleaning or maintenance and when replacing parts or converting the machine to another function:

**WARNING:** Inadequate extension cords can be dangerous.

**WARNING:** Ensure that any exhaust emissions are not in the vicinity of air intakes.

**WARNING:** Do not use the appliance without reading the instruction sheet.

**WARNING:** The electrical supply connection shall be made by a qualified person and comply with IEC 60364-1. The electric supply to this appliance should include either a residual

current device that will interrupt the supply if the leakage current to earth exceeds 30 mA for 30 ms or a device that will prove the earth circuit.

**WARNING:** Keep operating area clear of all persons

**WARNING:** High pressure hose, fittings and couplings are important for the safety of the appliance, Use only hoses, fittings and couplings recommended by the manufacturer.

**WARNING:** Do not use the appliance if a supply cord or important parts of the appliance are damaged. e.g. safety devices, high pressure hose, trigger gun.

**WARNING:** If an extension cord is used, the plug and socket must be of watertight construction.

**WARNING:** improper extension cords can be dangerous.

**WARNING:** High pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, live electrical equipment or the appliance itself.

**WARNING:** Do not direct the jet against yourself or others in order to clean clothes or foot-wear.

**WARNING:** Disconnect from the electrical power supply before carrying out user maintenance.

**WARNING:** To ensure appliance safety, use only original spare parts from the manufacturer or approved by the manufacturer.

**WARNING:** Do not leave the appliance unattended while the machine is running.

**WARNING:** Do not use cleaning agents or chemicals in the appliance.

**WARNING:** Turn off the appliance if it is in the event of accident (e.g. contact with detergents: rinse With an abundance of clean water ) or breakdown to prevent unsafe situations.

**WARNING:** When the appliance is moving and installing, the appliance must be in flat.

#### **Additional safety instructions:**

In order to safely use the cleaner, make sure that you have read all of these instructions and checked the machine before operation. Have a try before the official use.

The machine, hose and plug must be checked before the operation. Defective parts should be repaired by a specialist.

Do not direct the jet at the machine, socket and wire-connection.

Do not direct the jet at person and animals.

Check the hose connection before operation, the leaky and defective parts shall be repaired or replaced immediately.

Do not touch the electrical plug or any wall socket with wet hands.

Use the handle grip to transport the machine, it's forbidden to drag the power cord to move the appliance.

When you unplug, grasp the plug not the cord.

Only the power cord which with rubber insulation enclosure or protection enclosure can be use.

Keep the plug and hose in dry place.

To prevent the maximum operating pressure, the outlet hose should be at least 3M long.

Do not use the pressure cleaner in inflammable environment.

Take care of the kickback force and the sudden torque on the spray assembly when opening the trigger gun. Always use two hands to grip the gun firmly before pressing the trigger.

Only press the switch after the high pressure hose is tightly fixed.

Always wear protective clothing, glove and safety glasses. It's forbidden to use the machine bare-footed or when wearing a sandal.

By operation keep the hand away from the water jet and hose.

Sometimes the reflected water is also dangerous.

Do not direct the water to fire or hot equipment. Hot particles and steam are dangerous.

Do not use the pressure washer with inflammable or toxic liquids, corrosive detergents, or any dangerous products.

Use only hand to squeeze the trigger, do not jam the trigger in the ON position.

Before disconnect the high pressure hose, turn off the machine first, then squeeze the trigger until there is no more pressure in the system.

Do not bend, twist or fold the hose.

Use only original spare parts supplied from manufacturer.

A fluctuating or high water pressure shows signal of defect or accumulation of the calcium in the hose. In this case turn off the machine immediately.

Do not run the cleaner without water. This will cause damage to it.

Before starting the machine, fully open the water supply tap. Be careful not to bend the hose.

When the machine hose or tube freeze in winter, do not use it. Before storing the water must be drained from the machine. Always store the pressure washer in a secure dry and frost protected place

Do not use the machine in a dirty place.

Put the machine on a flat surface.

The sea water is not suitable for using in this machine.

The appliance is not fit for long time industrial use.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

The function of Safety valve: when the pressure of the pump exceeds the Preset valve, returns the excess fluid to the inlet system.

The function of pressure switch: When turn off a gun, pressure switch on the action, cut off the power supply for protection operations.

#### **Assembly**

Before use please assemble the high pressure cleaner step by step.

Firstly connect the water feeding pipe to the suction pipe by making use of a stiffened tube, then connect the other end of the suction pipe to the machine's inlet (See fig.1).



fig.1



fig.2

Check the leak tightness.

Connect the pressure hose to the machine's outlet (See fig.2), the outlet is made of Al-alloy. If the hole is very narrow, you can use some lubrication oil.

Turn the water supply on, make sure that the tap is fully open. And check the watertight of the whole appliance. Press the gun trigger, so that the air and the possible pressure waste go out from the piping. Now you can start the equipment up.

Warning: do not direct the jet against people, animals and high voltage net. Always disconnect the appliance from the power supply before you change the spare parts.

Warning: the user must wear the protective clothes before working with the appliance.

After use the appliance, make sure the appliance and hose dry.

Before using the appliance

Check the supply voltage. The voltage shown on the rating plate must match the supply voltage.

Use only watertight power plug and cord with rubber insulation enclosure.

Inadequate extension cord can be dangerous.

Connect the hose to jet gun (See fig.4).