

# AICKSN®



## Central Water Filtration Systems Manual Insturction

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# CATALOGUE



(Commercial Central Filtration System Manual Instruction)

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## User notes

- 1.The central water purification system requires the use of municipal tap water or other centralized water supply raw water.
- 2.This machine could not be installed in unsafe or water sources that are not fully disinfected for filtering microorganisms.
3. The system stop working for long time (generally not more than one week, shorter in summer), water needs to be released for 10-15 minutes before the next use) to prevent retention long-term non-flowing water in the system affects the quality of the effluent.
4. When the system is working, please ensure that every inlet and outlet pipes are unblocked.
5. The installation and material replacement frequency of the water purifier are the responsibility of professional and technical personnel. The damage caused by the inappropriate installation and use is not within the warranty. This water purifier maintenance and filter elements replacement for paid services.
- 6 Regularly check the water purifier and water pipe accessories to see if there is water leakage.
7. If you still have problems about the installation, use and maintenance of this water purifier, please call the national unified -24 hour service hotline: 400-615-5998 or send email to tech@aicksn.com

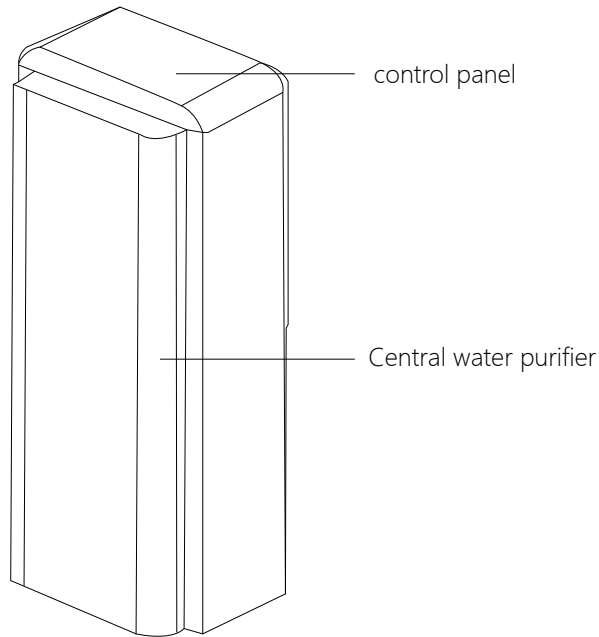
### Note:

If you do not read and understand this instruction manual too much, please do not perform any operation on the machine;

1. Do not make the system work in an environment exceeding 5-38 °C for a long time, and it is strictly forbidden to install the machine in a place where it may be frozen, direct sunlight and rain.
- 2.This machine should not be installed on the water supply line with a water pressure of more than 0.4MPa. During use, you must ensure that the water pressure is not less than 0.15MPa to prevent the water output from being too small.
- 3.This machine ruler is suitable for handling cold water and cannot be installed on hot water pipes.
4. Do not reverse installation of the machine, the water inlet pipe line is connected to the water outlet by correctly.
5. Do not let the water supply pipe or machine freeze, if the water temperature or the external ambient temperature drops below 5 °C, close the water supply pipe of the water purifier and discharge the machine the water inside.
6. This machine should not be near the heat source.
7. This machine needs a power supply during use. Please ensure that the accessories at the installation position of the machine have a power supply: 110V~220V AC/50HZ S.
8. There is a proper operation and maintenance space for the system.
9. If power is cut off, the current time should be rechecked when the power supply is normal.
10. The replacement parts specified by the Aicksn Company, problems caused by the use of unauthorized parts or accessories, performance degradation or financial losses are not covered by the manufacturer's limited warranty.

## Packing list

Model  
 Commercial Central Filtration System  
 Adaptor  
 Installation manual instruction  
 Internal hex wrench  
 Hose connector  
 Bypass valve



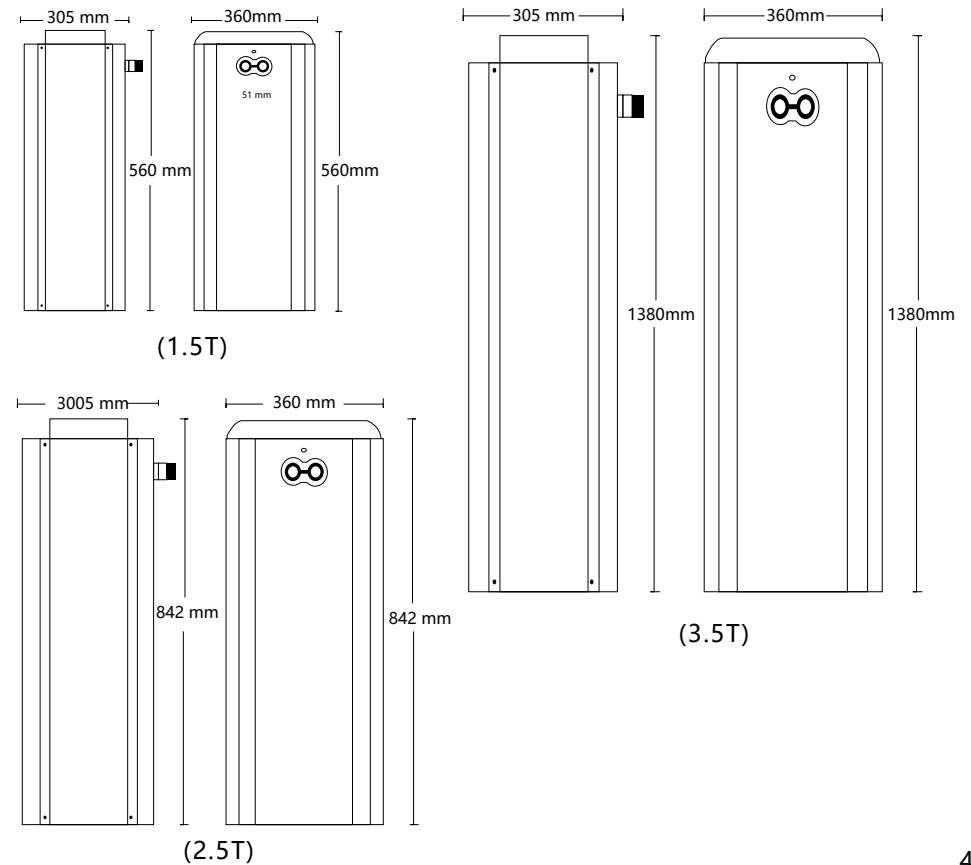
Note: The connection between the water purifier and the waterway can be connected with PPR pipe or reticulated pipe. You need to buy it by yourself.

## Technical specifications

Model	AICKSN-1500	AICKSN-2500	AICKSN-3500
Filter model	300	400	400
Work flow	1.0-1.5T/H	2.0-2.5T/H	3.0-3.5T/H
Inlet water pressure	0.15MPa~0.4MPa		
Inlet water temperature	5~38°C		
Filter element lifetime	12-18 months		
Inlet water requirement	Municipal water		

## Installation instruction

### 1.Product appearance and size

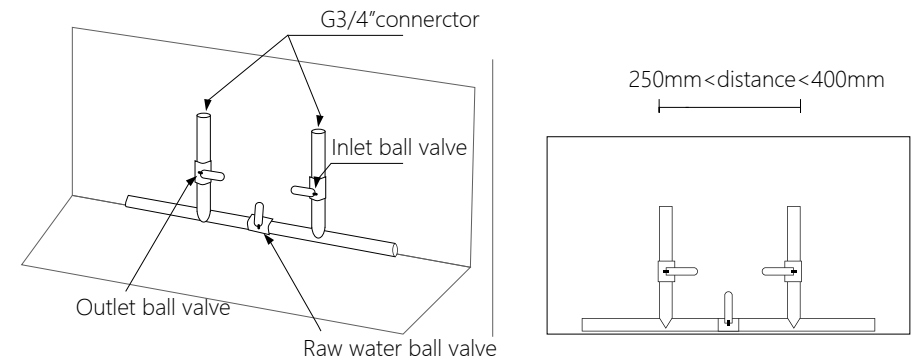
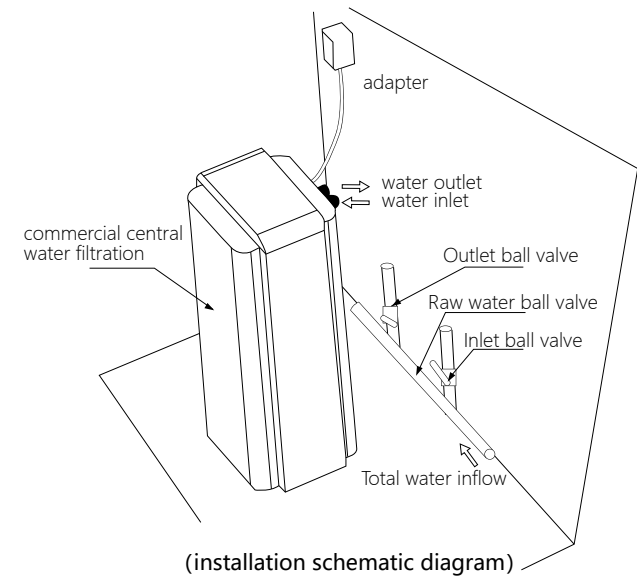


## 2. Installation requirement

- It is forbidden to tilt the system in the process of transportation, installation and use.
- The system need to be installed in smooth ground, load-bearing more than 300kg/m<sup>2</sup> available water inlet and outlet.
- Do not install this equipment near the presence of acid and alkaline substances or gases to avoid corrosion of the equipment.
- You must use 110~220V 50Hz single-phase AC power supply. Other power supplies are strictly prohibited. The socket must have a reliable ground wire to be energized.
- This equipment is required to be installed indoors, if need to be installed outdoors, the body and the pipeline must take insulation measures, especially to antifreeze, and also sunscreen waterproof.
- Best water pressure requirements of 0.15 ~ 0.4MPa, if it is lower or higher than this standard, a booster pump or pressure reducing valve should be installed to ensure that the working pressure of this equipment meets the technical requirements, floor drain is recommended for installation of water purifier.
- Before starting to connect the water inlet pipe, please remove the remaining impurities and ash layer in the pipeline, then close the main valve, and then connect the system.
- In the process of connecting the pipeline, the pipeline should be kept close to the wall as much as possible. The routing of the pipeline should be straight and the corners should be clear. After the pipe is finished, the pipeline should be fixed with a fixing frame on the wall.
- Pay attention to its height and placement angle when the pipeline is connected. There can be no obvious stress after the pipeline is connected, so as to avoid the pipe damaged or leaked due to the stress of the pipeline during long-term use.

## 3. Installation method

- Before unpacking the water purifier, the installer should check the product model, specification, color, brand, open the package, take out the accessories, and check whether the accompanying documents, accessories and accessories are complete.

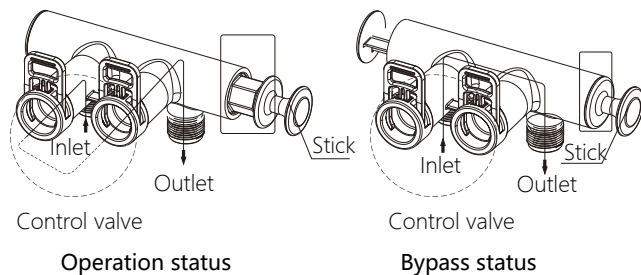


- Determine the installation location of the water purifier, and the installation location must meet the installation requirements.
- Lay out the pipeline
- Note: The direction of the water inlet and outlet of the waterway can be adjusted according to the actual situation of the waterway at home, but it is necessary to ensure that the water inlet of the waterway is connected with the water inlet of the water purifier, and the water outlet of the waterway is connected with the water outlet of the water purifier.

- Measure tap water pressure (appropriate range: 0.15-0.4Mpa), use a pressure gauge to measure whether the user's tap water pressure meets the pressure range specified in the water purifier product description. If the pressure is lower or higher than the specified pressure, a booster pump or decompression must be installed Valve to ensure the normal operation of the equipment.



- Pipe installation: Connect the water inlet end of the waterway to the water purifier end of the water purifier with a PPR pipe or a reticulated pipe, and connect the water outlet end of the waterway to the water outlet end of the water purifier, and then move the water purifier to a suitable one position.
- Connect the power supply and plug the power adapter into an independent power socket on the wall.
- Parameter setting (display panel interface): set the time, see the operation panel setting for the specific method
- bypass installation and use The control valve has bypass function . When the piston is pushed to the inlet and outlet position , the control valve is in operation . On the contrary , when the piston is pushed to bypass position , the control valve is in bypass status . The connection between softening valve and bypass valve inlet and outlet uses quick fitting structure which features reliable sealing and simple installation



## Instruction for user

### First run

Connect the pipelines, open the water inlet and outlet ball valves, close the raw water ball valves, and then open the faucet at home, let the water run for 10-15 minutes to ensure that the filter element in the water purifier is cleaned.

During the flushing process, constantly observe the internal and pipeline connections of the water purifier to see if there is water leakage or seepage. If necessary, close the water inlet and outlet ball valves, and then reopen the water inlet and outlet ball valves after troubleshooting.

After flushing, turn off all faucets at home and keep the water purifier under pressure for 15 minutes. During this period, observe the internal and pipeline connections of the water purifier for water leakage or seepage. If necessary, close the water inlet and outlet ball valves. Reopen the water inlet and outlet ball valves after troubleshooting.

### Daily operation

After the product is installed and debugged, it can be used normally, and there is no need to perform other operations on the machine without interruption of power supply;

When using, ensure that the controller is dry to avoid short circuit of the electrical components of the controller;

In the case of standard municipal water supply, in order to enable you to use high-quality water, you should replace the filter element regularly according to the equipment model. The staff of the company's after-sales service department will actively remind and come to replace the filter element for you, and the replacement of the filter element will be a paid service;

If the system is not used for a long time (more than 6 months), notify the company's service department to replace the filter element, so that the system can immediately exert its best performance when it is used again;

If the equipment fails or other special circumstances, you can open the original water ball valve, close the water inlet and outlet ball valves, the water supply is untreated water at this time;

## Main components and flow chart

### Control panel instruction



Description of the display icon: Connect to the power supply, the display will light up for 25 seconds, during this period:

Working status display: time, filter element life, water making icon are always bright display;

If there is no button operation, it will enter the standby state in 25 seconds; ·In standby mode: the filter element life icon is displayed, the water production icon is displayed, and the time is not displayed.

If there is a button operation, it will enter the standby state and the timing will be extended for 25 seconds, that is, if no button is pressed for 25 seconds, it will enter the standby state.

When the display screen is in the standby state: press any button, the display screen enters the working state, and after 25 seconds of no key operation, it enters the standby state again.

1 Filter lifetime shows:



There are 4 stages of filter elements. The life of the filter element is counted by time, once a day. The life of each level of filter element is as follows: 540 days for level 1, 540 days for level 2, 540 days for stages 3, and 540 days for stages 4;

When the life of the filter element is not reached, the life icons of all stages of filter element will be displayed in white;

When the life of the filter element reaches or exceeds the set value, the icon of the filter element life is red;

The life of the filter element is timed only when the product is powered on; when the product is powered off, the life of the filter element will stop timing; the life of the filter element has a power-down memory function, after power on again, it will automatically restore to the value before power off.

2 WIFI icon--no display



3 Water system icon-always bright display



4 Warning icon:



Note: If the life of the filter element has not expired, the warning icon will not be displayed;As long as the life of the primary filter element has expired, the warning icon is always bright red

Note: If the life of the filter element has not expired, the warning icon will not be displayed; As long as the life of the primary filter element has expired, the warning icon is always bright red

5 Failure icon---not displayed:



6 Flushing icon---not displayed:



7 Time display:



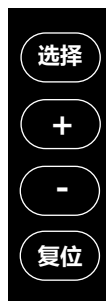
·When in working state, the time is always on;

·24H time system;

·The factory power-on default is: 00:00

·The real-time clock has a small backup power supply. In the event of a power failure, the product can continue to work for 12 hours. After the power failure exceeds 12 hours, the clock may return to 0. That is, 00:00, you need to reset the clock at this time;

Key operation:



·time setting: Long press the "Select" button for 3 seconds to enter the setting state, the default setting is from the "clock", the icon in the setting flashes, and it is in the "clock" setting:

·Short press "+", the "hour" time increases by 1, and when it exceeds 23, it returns to 0;

·Short press "-", "Hour" time minus 1, when it is 0, return to 23;

·Short press the "Select" button once to enter the "minute" setting, Under the "minutes" setting:

·Short press "+", the "minute" time will increase by 1, and when it exceeds 59, it will return to 0;

·Short press "-", the "minute" time minus 1, when it is 0, it returns to 59;

·Short press the "Select" key once to exit the setting state Filter element life reset: Long press the "Select" button for 3 seconds to enter the setting state. Under the setting state: Long press the "Reset" button for 5 seconds to reset the life of all filter elements.

The buzzer sounds:

·Short beep when power on;

·When not in the setting state, long press the "Select" button for 3 seconds, then a short beep;

·In the setting state, each time you press "Select", "+", "-", a short beep will sound; ·In the setting state, press and hold the "reset" button for 5 seconds, then a short beep will sound;

·When the life of the filter element expires and the real-time clock is between 8:00 -20:00, the buzzer will beep once every 3 seconds and 10 times in a row every hour; No tweets in other time periods.



## Maintenance and repair

Regularly check the water purifier and water pipe fittings to see if there is water leakage, so as to avoid water leakage and damage to home properties.

When you go out for a long time or do not use the machine, please disconnect the water source of the machine (close the water ball valve), and disconnect the power supply.

If you do not use the water purifier for a long time, please let the water in for 10-15 minutes before using it again.

When any of the following situations occur, please immediately disconnect the water inlet of the machine (close the water ball valve), disconnect the power supply, and call the company's service hotline to report for repair.

- . If the pipes or related parts of the machine are leaking.
- . If the relevant parts of the machine lose their function.
- . If there are any other abnormal phenomena or malfunctions.

Replacement of filter element In order to ensure the normal use of this machine, when one of the following situations occurs, please call our company's service hotline in time to have a professional replace the filter element.

- . The water output is significantly reduced.
- . The effluent quality is poor.
- . The filter life icon turns red.

## After-sales service

1. Warranty period The warranty period starts from the date of installation, the whole machine is guaranteed for one year, and consumables are not covered by the warranty

2. Warranty conditions The user should follow the following rules, otherwise the warranty rights will be lost.

2.1. The user should purchase this product from a legal retailer through legal means.

2.2. The user should keep the purchase invoice and manual at the same time, and the machine number on the manual should match the machine body number.

2.3. The installation of the machine should be completed by the installation team designated by the manufacturer, or a qualified installation team recognized by authority. (Should not install by yourself without guidance)

2.4. The use of the machine should strictly follow the instruction manual.

2.5. The user should ensure that the product is used under proper conditions of use.

2.6. If maintenance and repair are required during use, you should call the company's service hotline to register for repair.

3. Exceptional conditions Product failure or damage in one of the following situations is not covered by the warranty

3.1. Obtain this product through illegal means.

3.2. A machine for which the invoice is missing or the manual is missing does not provide relevant certification materials.

3.3. The machine number on the manual does not match the machine body number.

3.4. Failure or damage caused by installation without a qualified installation team, or installation by yourself without the guidance of the manufacturer.

3.5. Unreasonable use, or use in violation of the "Installation and Operation Manual" to cause malfunction or damage.

3.6. Exceeding the normal use conditions, forcing the product to cause failure or damage (for example, the voltage exceeds or falls below the normal allowable fluctuation range, greater than 240V or less than 110V; the water pressure is too low or too high).

3.7. Man-made (intentional or unintentional) machine damage.

3.8. Damage to the machine caused by force majeure (such as natural disasters, wars, etc.).

3.9. The device has been repaired by unauthorized professionals without calling the company's service hotline.

4 Warranty service during the warranty period, if the warranty conditions are met and the exception conditions are not violated, the company will provide a full range of Warranty service, warranty service will include:

- (1) Repair faulty machines for free;
- (2) Free replacement of faulty parts.