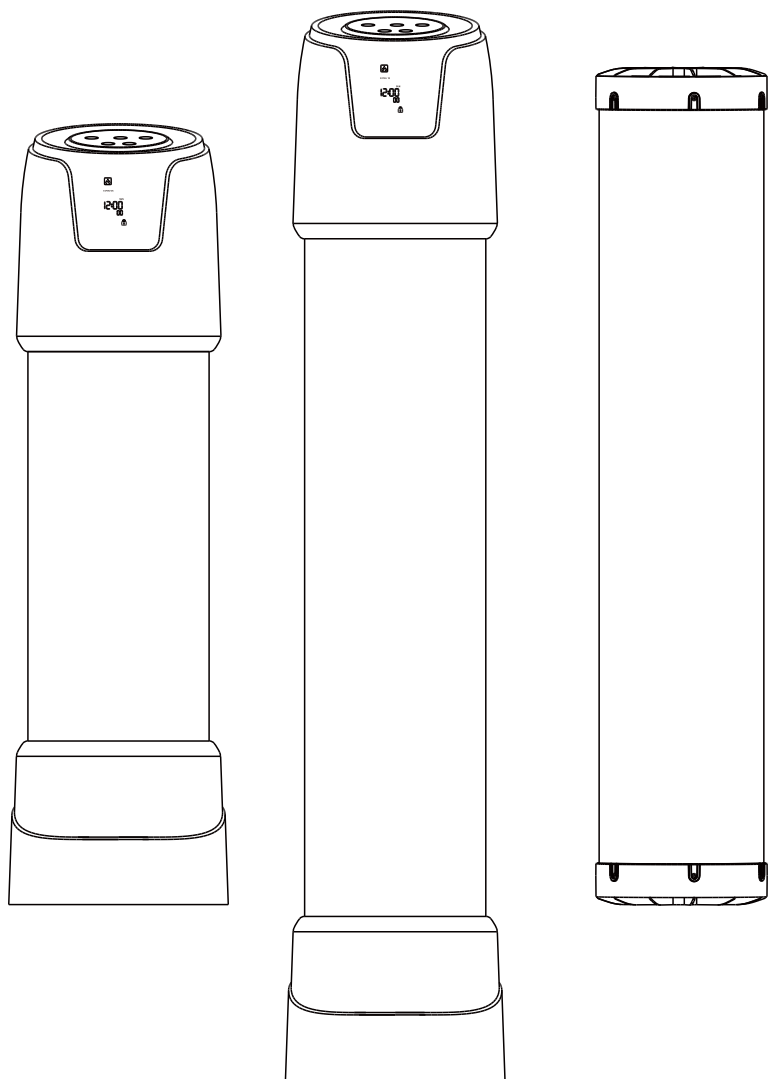


Intelligent central water purifier

User manual

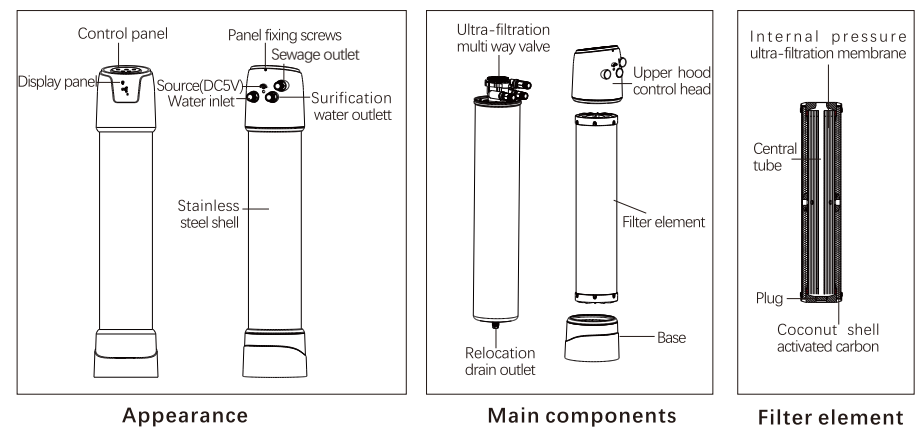


Please read this manual carefully before use.
Please keep this manual in a safe place for future use.
The appearance, color, or pattern of the product is subject to the actual product.
Our products are constantly being updated, and we will not notify separately if there are changes

Preface

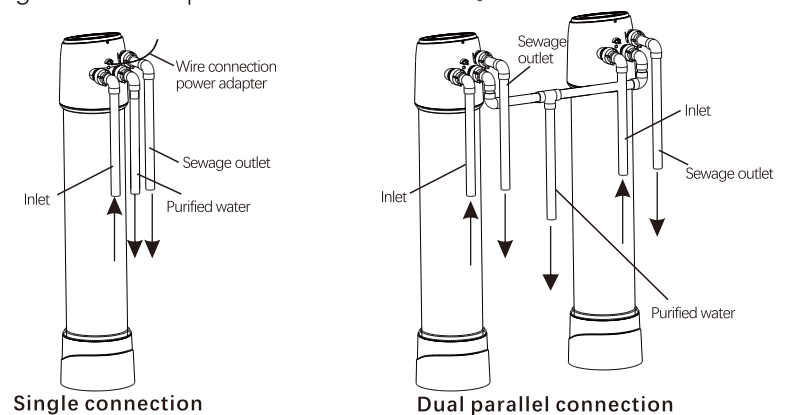
This product can be installed on balconies, gardens, or kitchens. It can be powered by an AC power adapter, or a power bank. It can be installed on a single unit or in parallel with two units. We are appreciated for using this intelligent central water purifier. In order to achieve the best results, please read this manual before use and keep it safe for future reference. This product adopts a dedicated ultra-filtration valve independently developed by our company, which is automatically controlled by multiple-unit MCU to achieve Filtration, flushing, Backwashing, or Mutual backwashing (if two units are installed in parallel, automatic mutual Backwashing can be used, It is possible to backwashing another water purifier with purified water produced by one water purifier, To avoid contamination of the water purifier during it was backwashing). It can also be set with core replacement maintenance reminders and powered by ac adapter or power bank.

This product adopts an LCD display screen and touch key control, which can be manually set or automatically controlled using default parameters. The filter element of this product uses high-precision food grade ultra-filtration membrane and coconut shell activated carbon as filtering materials. Due to the pore size of the ultra-filtration membrane is 0.01um and the automatic timed flushing, the ultra-filtration membrane can filter a large amount of dirt and impurities, and then enter coconut shell activated carbon to adsorb a small amount of color and odor, greatly improving the life of the entire filter element.



Installation

This product can be installed on balconies, gardens, or kitchens. It can be powered by an AC power adapter, or a power bank. It can be installed on a single unit or in parallel with two units.



Note: The sewage outlet is used for automatic sewage discharge. It should be directly connected to the pipeline to the drainage outlet, without connecting to a valve.
Please install the water purifier in a location with a floor drain to avoid losses caused by water leakage
After installation, Flushing for 5 minutes and then backwashing for 5 minutes.

Principle

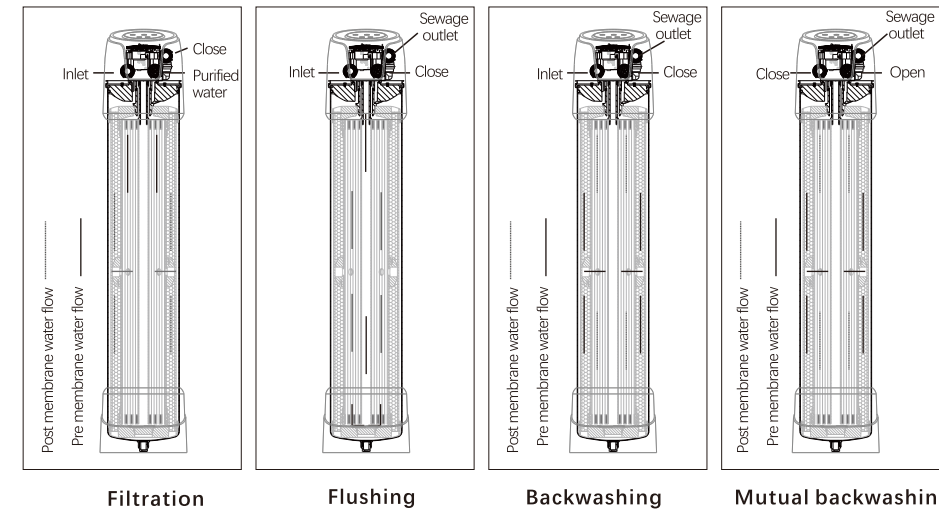
The pore size of the ultrafiltration membrane is 0.01 μ m. After filtration through ultrafiltration membrane, rust, colloids, sediment, suspended solids, and other macromolecular organic substances in the water are trapped in the empty tube of the ultrafiltration membrane and regularly discharged. Disinfection chlorides (called residual chlorine) and other organic compounds can be absorbed by coconut shell activated carbon.

The tap water is filtered through a multi way valve to achieve functions such as water Filtration, flushing, backwashing and Mutual backwashing.

Filtration: The inlet water flows downwards through the ultrafiltration valve and enters the hollow tube of the ultrafiltration membrane. After seeping out from the side wall, it enters the granular filter layer such as activated carbon, Then, it enters the ultrafiltration valve upwards and then enters the purification water inlet (due to the high water resistance of granular filter materials such as activated carbon, the water filtered out from the ultrafiltration enters the activated carbon and other granular filter materials from the top and bottom respectively, and the filtered water from the bottom enters the ultrafiltration valve head upwards through the filter element and stainless steel shell wall to ensure the outlet flow).

Flushing: Tap water flows downwards through the ultrafiltration valve head and enters the center pipe of the filter element, entering the hollow pipe of the ultrafiltration membrane from the bottom of the filter element, and flushing out the dirt and impurities in the empty pipe of the ultrafiltration membrane upwards and entering the sewage outlet of the ultrafiltration membrane valve for discharge

Backwashing: Tap water enters the filter material layer such as activated carbon through the ultrafiltration valve, then enters the outer wall of the ultrafiltration membrane membrane filament, and then penetrates through the ultrafiltration membrane wall to flush out the dirt and impurities in the membrane filament wall hole. The washed out dirt and impurities enter the hollow pipe of the ultrafiltration membrane, and finally enter to Sewage outlet



Model& parameters

Category	Intelligent central water purifier	
Model	A-ONE	A-MAX
Dimension	Ø268x1020mm	Ø268x1420mm
UF flux	4000L/H	6000L/H
Shell material	SUS304	
Joint size	1-inch male hose thread	
Filter element	Ultra-filtration membrane and Coconut shell activated carbon	
Water source	Municipal tap water	
Pressure	0.1-0.4Mpa(1-4bar)	
Water temperature	5-45℃	
Power supply	100-230V	
Control status	Filtration, Flushing, Backwashing, Mutual backwashing	

Setting and maintenance



SHIFT



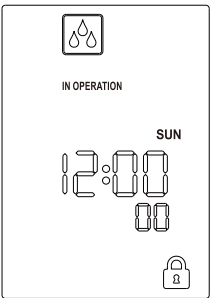
SELECT





SETTING






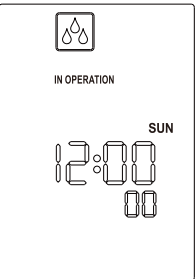
Setting Panel



Standby mode

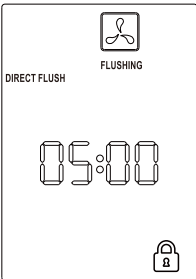
Connect the 5VDC power supply, the screen will light up for 20 seconds, and then the screen will automatically shut down. At any time,touch the button  to light up the screen, and a symbol will be displayed on the display screen , indicating that the control panel is in a locked state

Unlocking: In standby mode Pressand hold  for 5 seconds, symbol in the display screen will disappear and it will be in an unlocked state



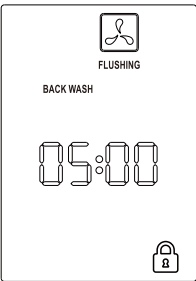
The control buttons on the control panel can only be used when unlocked

Manual flushing: Press and hold the + button for 3 seconds in the unlocked state, it will flush for 5 minutes






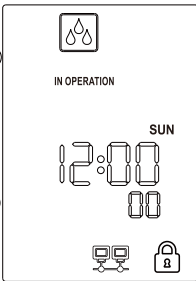
Whenever during this state , press  once to cancel the flushing process

Manual flushing: Press and hold the + button for 3 seconds in the unlocked state, it will backwash for 5 minutes



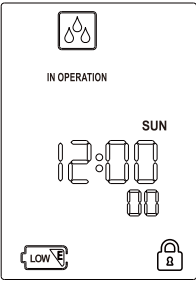
Whenever during this state , press  once to cancel the back-wash process

Mutual-backwashing: Press and hold  for 5 seconds in unlocked mode. If it is displayed below the screen, Mutual  backwashing will be turned on. Press and hold  for another 5 seconds to turn off Mutual backwashing



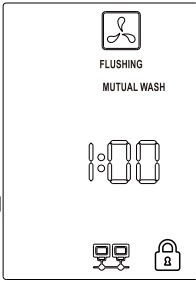
Note: that in Mutual backwashing mode, it can only be used when two machines are installed in parallel. In Mutual backwashing mode, there is no backwash, only Mutual backwashing

Low battery voltage: When using a power bank, or a power adapter with insufficient current, it may cause















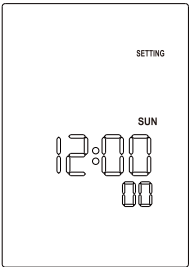
In low voltage mode, automatic flushing will no longer be performed, and it is necessary to replace the battery or replace the high current power adapter

Mutual backwash: Press and hold the + button for 3 seconds in the unlocked state, it will mutual backwash for 5 minutes



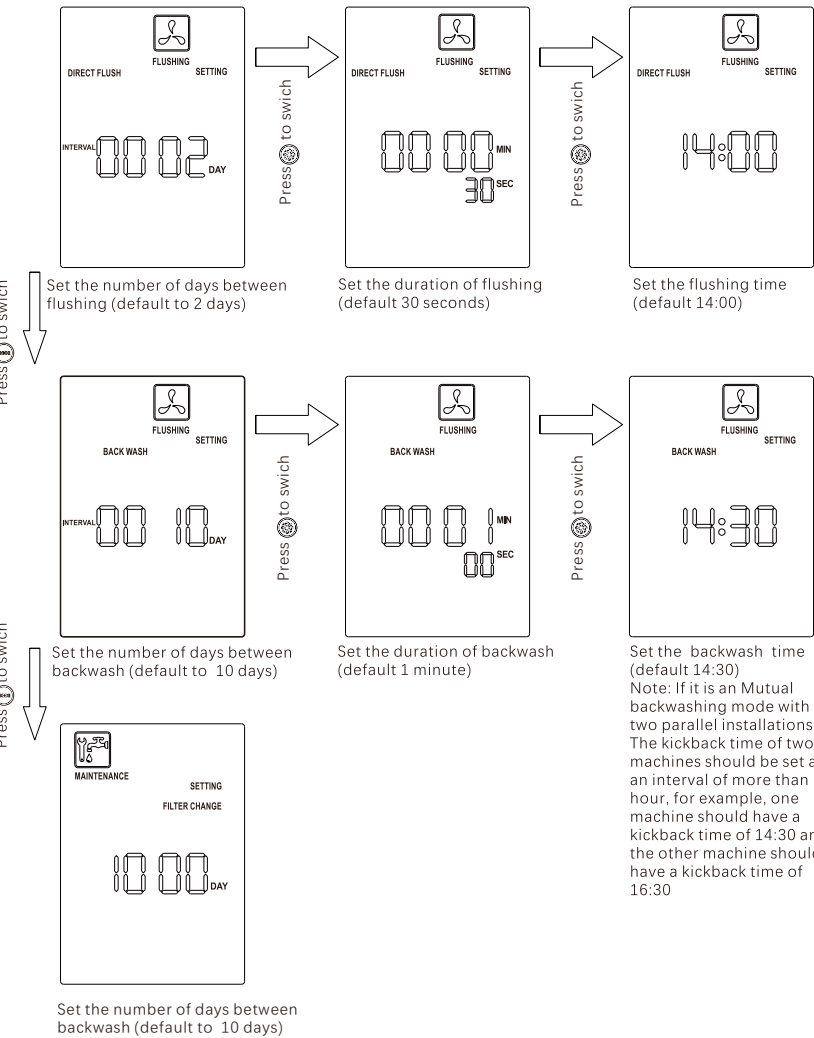
Whenever during this state, press  once to cancel Mutual backwashing ng

Set current time: When unlocked, press once to see the clock hour number flashing. Press   to set the hour, press once to switch to the minute number flashing, press to set the minute, press again to switch to the second number flashing, press   to set the second,continue press  to switch to the week number flashing, press   to set the week,



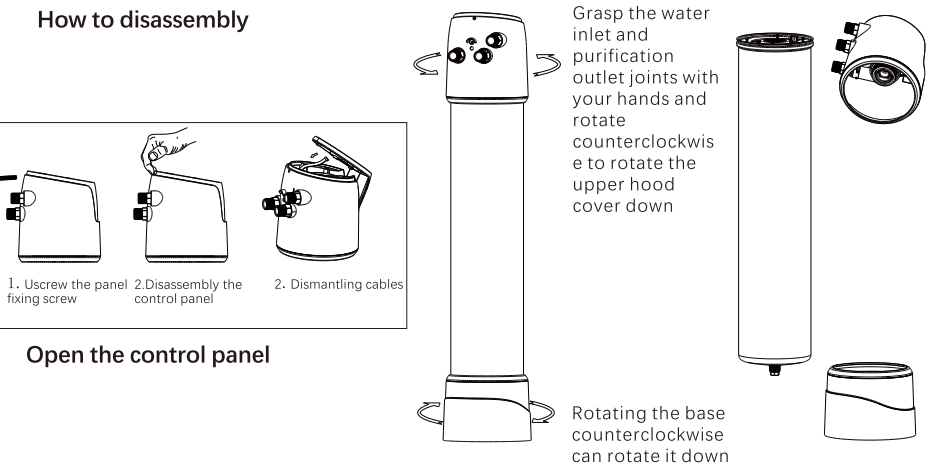
Program settings

Set flushing program: Press and hold for 5 seconds in unlocked state, At this time, the screen displays as shown in the figure below. Press to switch to the forward flushing duration and time, then press switch to the backwashing setting, press again to switch to the filter replacement reminder setting, No matter in flushing, backwashing or filter replacement setting , Can to press to switch around the item setting.



Press and hold the + button for 5 seconds in the unlocked state. All settings are restored to default factory settings

Maintenance and repair



Warranty Card

User Information	User name Contact phone number..... Mailing address
Sales Information	Product model:.....Product number..... Sales voucher number Sales date Sales unit name Contact phone number.....
Service station	Name of after-sales service station..... Mailing address..... Contact phone number..... Sales unit seal/signature

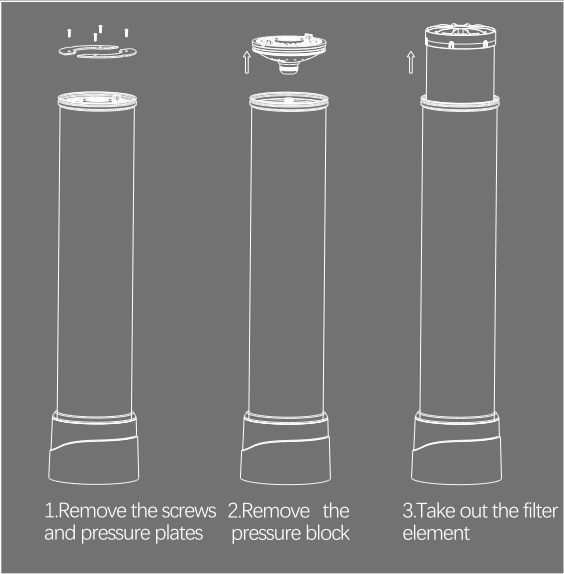
Maintenance records

Repair date	Signature of maintenance technician
Cause of malfunction.....	
Processing result	<input type="checkbox"/> Repaired <input type="checkbox"/> Not repaired <input type="checkbox"/> Exchange
User confirmation signature (date)	
Repair date	Signature of maintenance technician
Cause of malfunction	
Processing result	<input type="checkbox"/> Repaired <input type="checkbox"/> Not repaired <input type="checkbox"/> Exchange
User confirmation signature (date)	

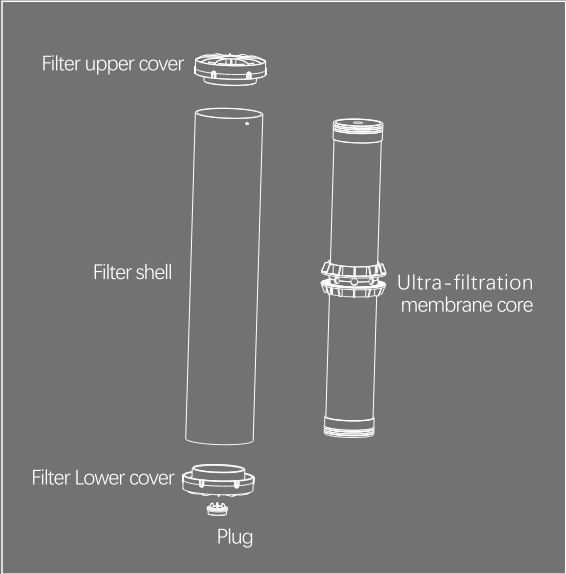


This product is suitable for municipal tap water. Pay attention to the filter replacement cycle and replace the filter in a timely manner. This product should be installed indoors to avoid direct sunlight, and attention should be paid to antifreeze in northern winter. This product should be equipped with a pressure reducing valve or device, when the water pressure is higher than 0.4Mpa in areas. When you are away from home for a long time, you should turn off the water source. When you return from home, please rinse first before using.5 minutes.





Take out the filter



Disassemble the filter element
(Not including activated carbon)

Base dimension diagram
(Scale 1:1)