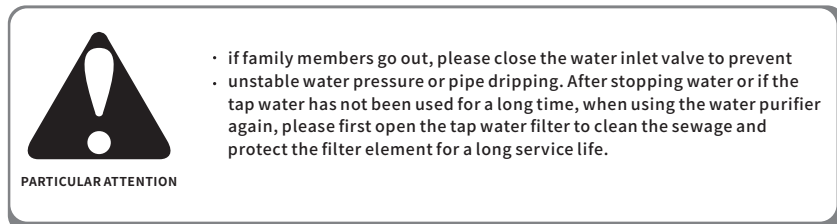




TOPWASSER COSMOS User Manual

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8. Installation Method

After purchasing a water purifier, users should ask professional installation personnel to install and debug the product. Before installation, please confirm whether the random accessories inside the packaging box are complete

1. Installation environment requirements

- This product is designed for pressurization and can be installed at the interface of municipal water supply pipelines
- There should be a 220V-power socket
- The installation site of the product is clean and hygienic, with no pollution in the surrounding area, no direct sunlight exposure, no flammable or explosive materials or electrical equipment, and no exposure to rain

Attention: Please pay attention to personal safety when using drilling tools, and there should be no hidden water, electricity, or gas pipelines at the drilling location

2. Installation of electrical circuits

- Professional personnel with certificates must be employed for installation
- Tools required for installation: Multimeter, test pen, wires, insulated tape (slot), socket board, water pressure
- Turn off the power switch, carefully modify according to user requirements, and follow the electrical installation operating procedures for standardized operation during the operation process
- After modification, check the circuit and clean the site

3. Installation and connection of quick connectors for water outlets

- The water outlet end of the product already has a quick connector port. A quick connector is a type of connector port that can be quickly and firmly connected without the need for tools. First, remove the rubber cover, press the movable material ring on the surface of the port towards the port, so that it is close to the port. Then, easily remove the material plunger or PE pipe, insert the PE pipe into the connector port to the bottom, and gently pull outward to leave a gap between the movable plastic ring on the surface of the port and the port. Then insert the Q-shaped fixed snap ring into the seam barrier. When the PE pipe needs to be removed from the quick connector at the
- water outlet, first pull out the fixed snap ring and move the movable material ring on the surface of the port towards the port, making it close to the port, so that the PE pipe can be easily removed. When disassembling and connecting
- PE pipelines and joints, remove the Q-shaped fixed snap ring, trim the equipped PE pipe mouth flat, insert it into the bottom of the joint and pull it outward slightly to ensure that the PE pipe is inserted into the joint sealing diagram, and then install the Q-shaped fixed snap ring

4. Installation of filter element

- Install the filter element. Remove the filter element from the product packaging box and remove the plastic sealing film from the outer packaging.
- Open the machine panel and insert the filter elements in order.
- Cabinet installation directly places the machine in a suitable position inside the cabinet, and the host is placed smoothly
- Installation method of pipelines
- Install the inlet three-way ball valve, clean the installation area, close the inlet main valve, disassemble the water pipe joint (water pipe joint or angle valve, etc.), and then connect the inlet three-way ball. Pay attention to adding sealing tape or sealing ring to the threaded connection. Finally, connect back to the original water pipe joint or angle valve.
- Connect the water inlet by connecting one end of the PE pipe to the tap water inlet ball valve, and the other end to the connection port marked as "inlet" at the main machine inlet.
- Installation of faucet: According to the installation position of the faucet, use a hammer and steel nails to make a groove on the stainless copper sink (for drilling), use an electric drill to drill a Q12mm circular hole on the surface of the sink, and then fix the faucet.
- Connect the pure water port and insert the quick connect straight into the inlet end of the faucet. Cut a PE pipe of appropriate length, with one end inserted into the quick connect and the other end connected to the pure water port of the water purifier.



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1. USER MUST READ

Please read this manual carefully and keep it properly before using the product.

● The installation, debugging, or maintenance of the machine must be carried out by authorized personnel from the factory to ensure that the machine is in normal working condition. The manufacturer shall not be held responsible for the inability of the product to achieve normal state or performance due to installation, debugging, or maintenance by personnel authorized by the manufacturer.

● The power component and the machine belong to a coupling connection. If the power component is damaged, in order to avoid danger, it must be replaced by professionals from the manufacturer, its maintenance department, or similar departments. The repair and maintenance of the machine, as well as the replacement of the filter element, require the use of components approved by our company. Any problems caused by the use of unauthorized components or accessories, as well as any decrease in performance or property damage caused, are not covered by the manufacturer's limited warranty.

● Non original filter cartridges may have issues such as lack of hygiene and safety assurance of raw materials, reduced filtration performance and sealing compatibility, which may lead to abnormal water quality, safety risks, and affect machine life.

● This product is suitable for household water use. If used for commercial purposes, it will shorten the service life of the water purifier. The product is strictly prohibited from being installed outdoors.

● After the installation and use of the product, users should regularly inspect and maintain it according to the usage situation. If there are any abnormalities, they should immediately stop using it and call our company's service hotline for repair.

● Any maintenance or repair of this product, please make sure to disconnect the power supply. Non recognized professionals of our company are not allowed to adjust or repair this product.

● If the product is soaked in water, it should be inspected or repaired by professional personnel before use. Please do not cover anything on the product. Do not place heavy objects on the product.

● The interpretation rights of the above terms belong to our company to the extent permitted by law.

Symbol Description

To avoid personal injury or property damage, please make sure to follow the following instructions. According to the degree of harm or damage caused by incorrect use, it can be divided into the following levels

WARNING

May cause personal safety or serious property damage

NOTICE

Refers to content that may cause minor injury or property damage

Use the following illustrations to illustrate the desired content to be followed. (Taking the following image as an example)

Refers to content that cannot be carried out

Refers to the content that must be executed

Refers to the content that needs attention

WARNING

- This water purifier requires the use of municipal tap water that meets the GB65749-2006 standard for incoming water quality (do not use in unknown water sources).
- Please handle with care to avoid product falling and causing injury.

1

- Do not install this water purifier on a water supply pipeline with a water pressure exceeding 0.4MPa. If the inlet water pressure exceeds 0.4MPa, a pressure reducing valve must be installed (to be purchased separately).
- The inlet temperature of this water purifier is required to be 5-38 °C. If the inlet temperature exceeds 38 °C, it will damage the filter element and make it ineffective. If the inlet temperature is below 5 °C, it may cause freezing and cause the water purifier components to rupture, resulting in water leakage.
- Do not place this water purifier in high temperature and high humidity areas.
- The installation sequence of the water purifier filter element should not be reversed to avoid affecting the filtration effect of the water purifier.
- The connection of the water outlet must be correct to avoid affecting the normal operation of the water purifier or damaging the reverse osmosis membrane filter element. The power cord and plug must be used correctly (otherwise it may cause fire or electric shock)
 - Please make sure to use within the rated range of the socket and wiring equipment, and do not use power sources other than 220V AC.
 - The power plug must be firmly inserted into the bottom.
 - Do not hold the power cord when unplugging the power plug, but hold the plug body.
 - Regularly remove dust from the power plug.
 - Do not use damaged power cords or plugs.
- Please do not scratch, process, or approach high temperatures on the power cord or plug, forcefully bend, twist, stretch, press heavy objects, tie the power cord or plug, and contact the repair point for repair.
- Do not use wet hands to plug or unplug the power plug.
- Do not spill water or detergent on the body, bottom of the body, or power plug (it may cause electric shock, short circuit, and cause fire)
- DO NOT IMMERSE YOURSELF IN WATER
- NOT MODIFIABLE**
Except for maintenance technicians, it is not allowed to disassemble and repair without authorization (which may cause component damage, water leakage, and other functional abnormalities leading to property damage). If repair is needed, please contact the repair point.

- When there is any abnormality or malfunction in the product, it is necessary to immediately stop using it, unplug the power plug, close the water inlet valve (which may cause damage to components, increase strong electricity such as property safety, smoke, fire, electric shock, etc.). Examples of
 - abnormalities or malfunctions include:
 - Water seepage or leakage
 - Cracks or damage to the product
 - Abnormal sound or burnt smell
 - When pulling the power cord, it turns on and off.
 - The power plug or cord heats up abnormally.
 - The machine does not work or does not produce water
- Please immediately commission a repair point for maintenance.
- If you do not use the water purifier for a long time, be sure to disconnect the water source and power supply, and turn on the switch of the faucet to avoid damaging the water purifier.

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WARNING

- The water purifier should not be installed in direct sunlight or exposed to areas containing harmful chemicals, or in any place where it may be damaged by falling or being hit.
- Clean the water purifier with clean water. Do not directly spray water to clean the machine. Do not use steel wool or grind it to use a sex cleaner or corrosive liquid (such as gasoline or acetone) to clean the water purifier.
- When cleaning, do not pour other liquids into the filter element to avoid damage to the filter system. Please maintain wastewater; the water outlet of the pipe should be unobstructed to avoid damage to the filter element or internal components of the water purifier. When the sewage pipeline is blocked, do not use a water purifier to prevent the wastewater generated by the purifier from wetting the floor.

2. PRODUCT FEATURE

- Box panel, simple and beautiful.
- The water related components are made of food grade materials, ensuring safety and peace of mind.
- Pure water meets the standard for raw drinking, making cooking, soup making, and other dishes more hygienic and delicious.
- Provide water for small household appliances such as humidifiers, steam irons, beauty equipment, etc., to eliminate annoying white powder residues; Purified water is used for cleaning and beauty, making it more refreshing and clean.
- Pure water meets the standard for raw drinking, removing residual chlorine and Escherichia coli from water, effectively reducing turbidity, turbidity, chromaticity, visible matter to the naked eye, total dissolved solids, total bacterial count, and reduction of heavy metal content such as lead, arsenic, cadmium, and chromium (hexavalent).
- Multiple pipeline water dispensers can be connected to form a small terminal drinking water system, providing cold/hot clean water.

3. PRODUCT FEATURES

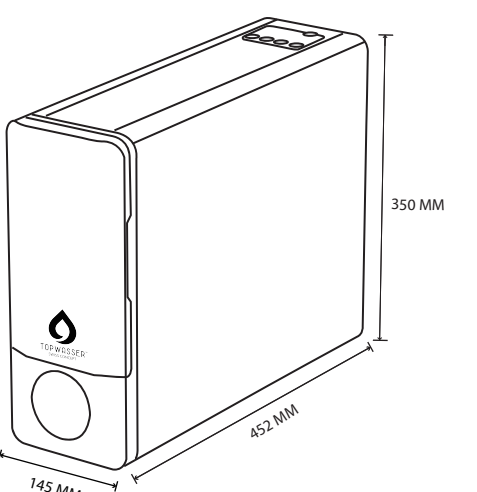
Using municipal tap water as raw water and treated by our company's reverse osmosis water purifier, the effluent quality meets the requirements of the "Hygiene, Safety and Functional Evaluation Specification for Domestic Drinking Water Quality Processors - Reverse Osmosis Treatment Devices" (2001) for drinking water.

4. MAIN TECHNICAL SPECIFICATIONS

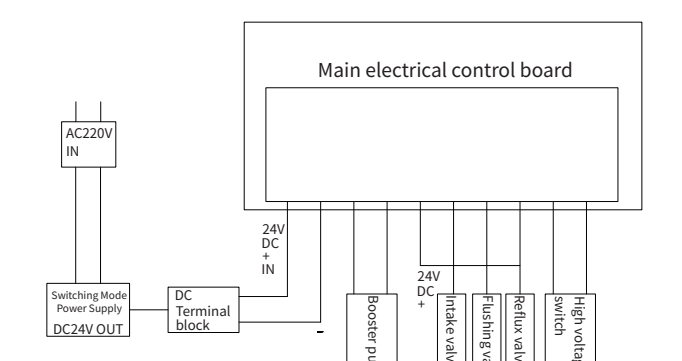
Product Name	Pure Water Machine
Product model	RO1000G
Pure water flow rate	2.63L/min
Rated total net water volume	2000L
Rated power	120W
Rated voltage/frequency	220V-/50Hz
Applicable water quality	municipal tap water
Applicable water temperature	4-40 °C
Inlet pressure	0.1-0.4MPa
Working pressure	0.4-0.6MPa
Executive standard	GB/T30307-2013
The quality of pure water effluent meets the requirements of the "Hygiene, Safety and Functional Evaluation Specification for Domestic Drinking Water Quality Processors - Reverse Osmosis Treatment Devices" (2001)	

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5. PRODUCT APPEARANCE



6. ELECTRICAL SCHEMATIC DIAGRAM



7. PACKING LIST

Item	Quantity	Item	Quantity
Main Machine	1PCS	2-way straight connector	1PCS
Faucet component	1PCS	PPC filter element	1PCS
Inlet three-way ball valve	1PCS	RO filter element	1PCS
Manual/Warranty Card	1PCS	External Transformer	1PCS
PE water pipe	2PCS	3 to 2 L type plug-in rod	1PCS

4

Abnormal noise during working	Is the power supply voltage normal	Call the repairman to perform on-site repairs
	Is the tap water flow rate (and) water pressure sufficient	Increase the inflow of raw water or install a booster pump at the inlet end
Machine cannot stop working	Is the transformer leaking water	Call the maintenance personnel to make on-site adjustments or replacements
	The water pump is faulty	Call the maintenance personnel to make on-site adjustments or replacements
	The faucet is not fully closed	Turn off the faucet switch
	Damaged faucet switch	Replace the faucet

WARRANTY CERTIFICATE

Dear Users

Thank you for using our company's products. Our company will provide you with services in accordance with the relevant provisions of the Consumer Rights Protection Law of the People's Republic of China. With this warranty certificate and invoice, we will provide a one-year warranty for the entire product from the date of sale (based on the invoice). If any of the following situations occur, we will charge for repairs:

- Products with expired warranty period
- Damaged due to poor handling or improper storage, or failure to operate according to the instructions
- Products that have been dismantled by oneself or repaired outside of our factory's warranty point
- Products without product warranty certificate and invoice
- Products without product number and number alterations:

If you find that the service attitude and maintenance quality of the installation or maintenance personnel do not meet your satisfaction, or there are violations of discipline, or refuse to show you our company's charging standards, please call the company's national unified hotline to file a complaint. I refuse to sign on the work order.



TOPWASSER

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 Website: https://www.topwasser.ch

During the flashing period of each filter element light, long press the button (beeping to indicate that the reset is complete), and the selected filter element will have its lifespan reset, automatically jumping to the next filter element light flashing state. If the filter reset mode is not entered, the reset function is invalid. If no button is pressed within 5 seconds, the filter will automatically exit the reset mode. Note: The filter reset operation can be performed at any time.

One click reset mode: When any filter element expires, press and hold the "reset" button for 2 seconds to reset all expired filters (non expired filters do not reset).

2. Display Function Description

TDS display: Flashes (1Hz) during detection, remains lit and displays numerical values after detection is completed.

When powered on, all lights will flash once at a frequency of 1Hz (50% duty cycle), beep synchronously once, and then enter the normal display state.

Flushing display: Enter flushing, the "water making" light flashes quickly (0.5Hz)

Water making display: When entering the water making process, the "water making" light flashes slowly (1Hz)

Water full display: When entering water full, the "water making" light remains on

Fault display: enter the water making protection for too long, prompt the user to contact after-sales service. The buzzer beeps 60 times (about 1 minute), and all lights flash non-stop.

Filter display: When each filter element is within the design cycle, the filter element light remains on. When the design cycle is reached, the filter element light goes out and the filter element light returns to normal after resetting.

If the water is not fully filled for 2 hours of continuous water production, it will enter the water production protection for too long, and power on again to exit the water production protection standby pure water reflux mode (After water production) After standby for 10 minutes, clean for 30 seconds.

Note: Within a single standby cycle, it is only executed once. If the high-pressure switch is detected to be continuously closed for 0.05 seconds during standby-reflux-standby flushing-prolonged standby flushing, it enters the water making state.

11. Maintenance and upkeep

(1) Filter replacement cycle (recommended filter replacement cycle as follows)

Filter element position :	1st level	2nd level
Type of filter element :	PCB filter element	RO filter element
Suggested replacement :	6-12 months	12-18 months

(2) Filter life display

If the lifespan of a certain filter element expires and the corresponding display light goes out, the buzzer will sound 10 times (after a 50% duty cycle of 1Hz, water can still be produced normally, but the buzzer will sound 10 times with each start of water production, and there will be no alarm at other times. The filter element expiration reminder will stop until the reset operation is performed)

The replacement cycle of the filter element depends entirely on the changes in the water quality of the user's water source and the amount of purified water used. If a safe replacement frequency is adopted, it can ensure the normal operation of the water purifier and the quality of the purified water produced. Therefore, the once recommended replacement cycle of the filter element is for reference only

Attention:

- In areas where high-level water tanks are installed on rooftops, due to poor cleaning of the tanks, there is often a lot of sludge sediment, which affects the quality of the raw water and leads to a decrease in the lifespan of the filter element. In this state, it is necessary to pay more attention to the replacement of the filter element
- When the amount of pure water decreases significantly or the taste deteriorates significantly, the replacement of the filter element should be considered

(2) Filter replacement steps

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12. COMMON FAILURE AND HANDLING

Fault phenomenon	Possible causes	Solution
Low flow rate	PE pipe bending	straighten the pe pipe
	Is the inlet three-way ball valve closed	Open the inlet three-way ball valve
	Is the tap water cut off	Waiting for tap water supply
Machine does not work	Is the PCB filter clogged	Replace filter element
	Is the RO filter clogged	Replace filter element
	Is the water pressure lower than the rated pressure	Add booster equipment
Abnormal taste	Is the water temperature too low	Raise the water temperature of tap water
	Power supply not connected or electrical failure	Check if there is electricity or connect electrical components
	Power Failure	Check for power failure and connect the power supply
Machine does not work	Power adapter failure	Replacing the electrical adapter machine
	In a state of water scarcity	Check if there is water in the water source, and after confirming that there is water, power off and restart it
	The faucet is not fully open	Keep the faucet fully open
Abnormal taste	Is the machine stopped for a long time	Rinse the machine's filter cartridge (excluding RO membrane) for 5 minutes each. If not changed, please replace the filter cartridge
	Poor water quality of water source	Confirm that the water source is municipal tap water
	Have you not replaced the filter element for a long time	Replace filter element

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