NDORE

CUBE Direct flow reverse osmosis filtration system

CUBE-800

USER'S MANUAL

INSTRUCTIONS FOR USE

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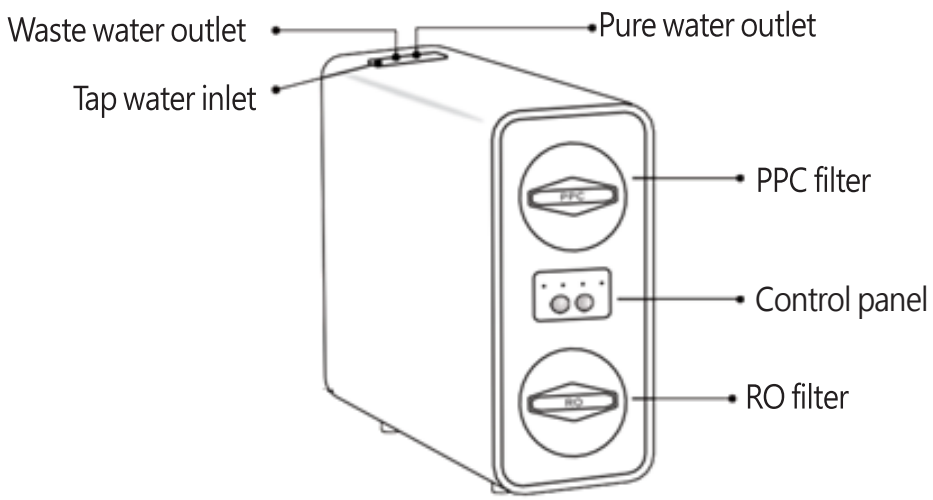
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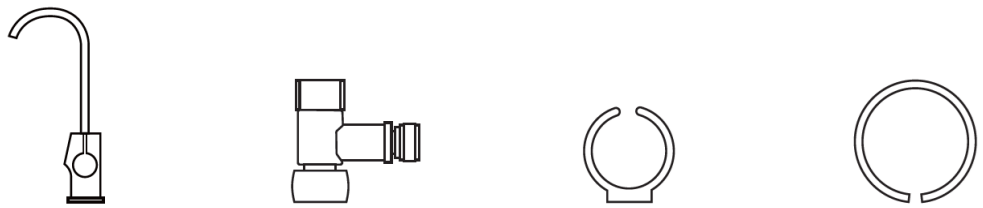
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I. PRODUCT INTRODUCTION

(1) Exterior description



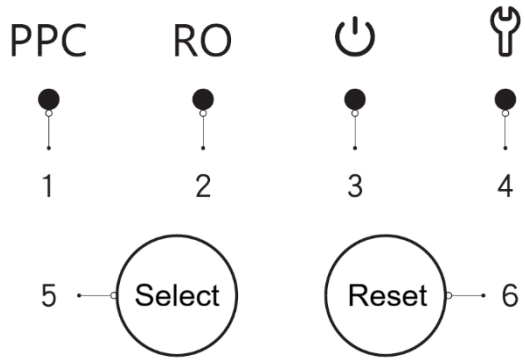
(2) Accessories description



ITEM	COMPONENT	Q'TY	ITEM	COMPONENT	Q'TY
1	RO FILTRATION SYSTEM	1	6	RO FAUCET	1
2	PPC FILTER	1	7	FEED WATER ADAPTER	1
3	RO FILTER	1	8	DRAIN SADDLE	1
4	3/8" BLUE PE TUBE	1	9	TUBE CUTTER	1
5	1/4 GREY PE TUBE	1	10	MANUAL	1

Remarks: The faucet is different according to the purchased version.

(3) Control panel description



1. PPC filter
2. RO filter
3. Power
4. Error
5. Filter selection
6. Reset

(4) Product specifications

	CUBE-800
Input voltage	100~240V AC-50/60Hz
Transformer	2V DC 5A
Rated power	80W
Product size	427*148*346mm (L*W*H)
Applicable room ℃	4~40℃
Inlet water ℃	5~28℃
Inlet water pressure	15~50psi
Flow rate	2.1L/min
Applicable water quality	Municipal tap water

II. INSTRUCTIONS FOR USE

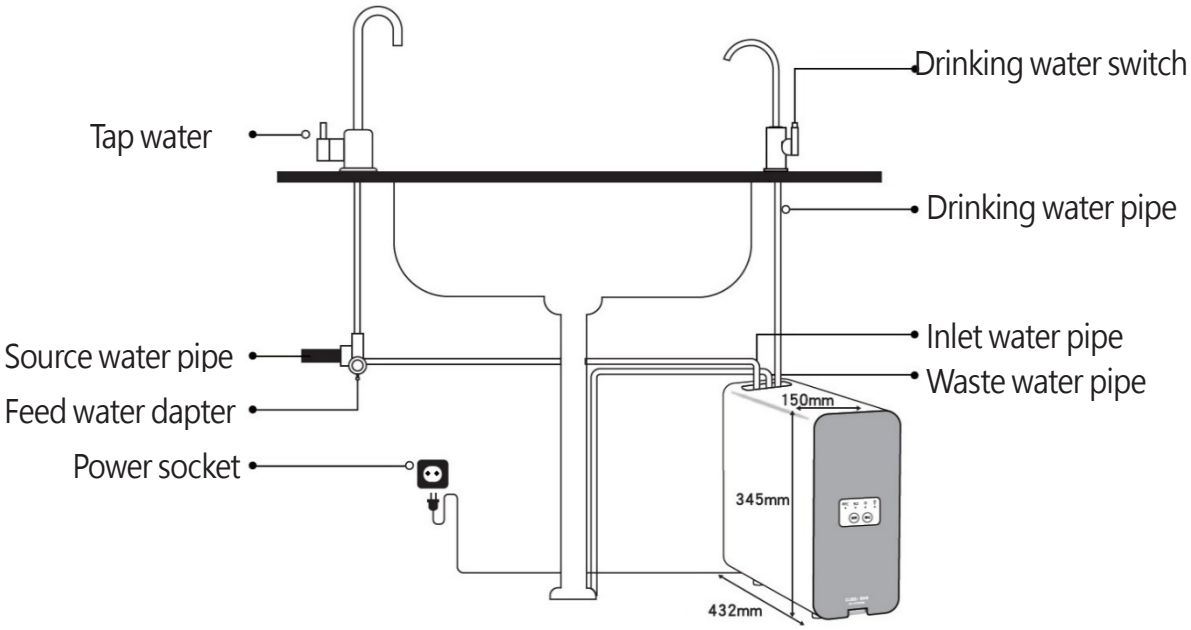
(1) Precautions for use

Safety Precautions

Improper installation or use voids the warranty. Users must follow this manual and hire professionals for installation. The company is not liable for damages or injuries caused by non-compliance.

1. **Supervision**: Supervise children and individuals with reduced capabilities to ensure safety and prevent playing with the device.
2. **Water Quality**: This unit does not heat water; replace filters regularly for hygiene.
3. **Power Supply**: Use only the provided power unit with 100-240V~50/60Hz AC power.
4. **Operational Limits**: Use municipal tap water only. Temperature must be **5°C–38°C**. Inlet pressure must be **15–50 psi** (install a reducing valve if >50 psi).
5. **Environment**: Avoid heat, direct sunlight, chemicals, or impact-prone areas.
6. **Installation**: Floor-standing only; do not hang or install upside down. Ensure all connections are correct.
7. **Residential Use**: Designed for home use, not commercial environments.
8. **Handling**: Do not disassemble, modify, or place heavy objects on the unit.
9. **Maintenance**: Use the provided new PE tubing. Note that low pressure, quality, or temperature may reduce water output.

(2) Installation diagram



(3) Filter function description

Filters	Main function	Replacement period
PPC filter	Filter out substances with relatively large particle sizes such as mud, sand, rust, algae, and suspended solids. Adsorb organic substances in water, including abnormal colors, odors, residual chlorine, chloroform, and carbon tetrachloride.	6~12 months
RO filter Reverse osmosis	Effectively remove bacteria, heavy metals, inorganic salts and organic substances from water.	24~36 months

Note: The lifespan of the filter cartridges varies depending on the water quality and usage volume in the area of use. Therefore, the actual replacement cycle will differ accordingly.

(4) Filter installation

1. Align the tip or dot of the handle cover upward at the “ position, and gently place the filter cartridge into the corresponding filter bucket (Figure 1).
2. After pushing the filter to the bottom of the barrel, gently press the filter and rotate it 90 degrees clockwise. The tip or dot of the handle cover will align with the “PPC” or “RO” position. At this time, the tar on the handle cover will be in a horizontal state (Figure 2), and the surface of the filter cartridges will be flush with the surface of the middle frame (Figure 3).
3. Sequentially install the other filter cartridge in steps 1 and 2.
4. Open the feed water adapter (Figure 4), power on the machine, and flush the filter.

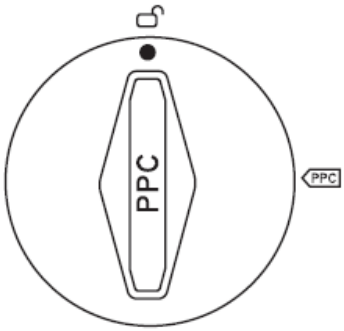


Figure 1

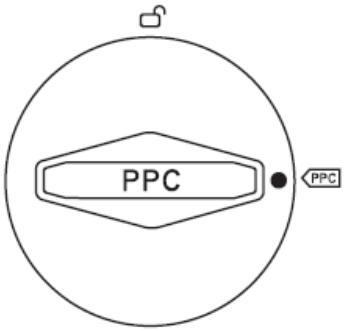


Figure 2

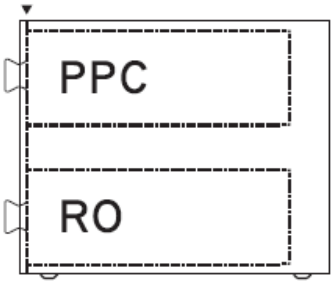


Figure 3

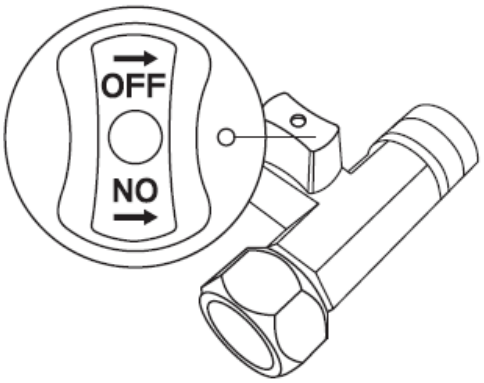


Figure 4

(5) Filter replacement method

1. Switch off power and inlet water. Be careful not to pull the water pipes, and the power cord to avoid power - on failures or water leakage. After powering off the main unit, open the front panel cover and then take out the filter cartridge to be replaced.
2. Rotate the filter 90 degrees counterclockwise, and turn the tip or dot of the handle cover. Rotate to align the“ ”position up, then remove the filter and replace it. Then follow steps 1 and 2 of the "Filter Installation Method" to complete the new one in sequence Replacement and installation of filters.
3. After powering on the device and opening the feed water adapter, press the "Select" key. The indicator light corresponding to the new filter cartridge will flash. Then, long - press the "Reset" key for 3 seconds to reset the filter cartridge life setting. When you hear a prompt tone, the indicator light will go out, indicating that the filter cartridge life setting is successful.
4. Rinse the filters:
5. PPC composite filter rinsing: turn on the faucet and rinse, it is expected to be ready in 10 minutes Turn off the faucet when done.
6. RO filter rinsing: The new RO membrane contains moisturizing ingredients (main ingredients Grade glycerin) to protect its structure. For better taste, it is recommended to flus the membrane at least 30 minutes after the new installation.

(6) Light display and description

1	PPC	Solid	1. Water production is in progress. 2. Filter's service life expires and needs to be replaced.
		Flash	Filter life setting is selected.
		Off	Standby
2	RO	Solid	1. Water production is in progress. 2. Filter's service life expires and needs to be replaced.
		Flash	Filter life setting is selected.
		Off	Standby
3	Power	Solid	Standby
		Off	Power is not connected.
4	Maint-enance	Off	Normal
		Flash	Keep making water for 30 minutes.
		Solid	Lack of water.

Note: Make sure to restart the device after troubleshooting.

(7) Automatic flushing function description

1. When the TDS (Total Dissolved Solids) of tap water is ≤ 150ppm, after use and waiting for 15 minutes, the system will automatically flush for 60 seconds. This is to clean the RO (Reverse Osmosis) membrane, extend its lifespan.
2. When the TDS of tap water is greater than 150ppm, 10 minutes after usage an automatic 60 - second flushing will occur. This serves to clean the RO membrane, prolong its lifespan.

III. DAILY MAINTENANCE

1. When unplugging, please do not force the power cord.
2. Do not unplug the host plug with wet hands to avoid electric shock.
3. The water purification machine can be wiped with a soft cloth dipped in some waters, please do not rinse directly with water Do not use brushes, abrasive cleaning liquids, or volatile liquids for cleaning and wiping.
4. Keep the wastewater pipe unblocked to avoid flooding or soil damage to the filter and internal components
5. When the drainage pipeline is blocked, do not use the water purifier and turn off the power supply. This is to prevent the wastewater produced by the water purifier from overflowing, which could soak the floor and cause other damages.
6. Regularly check whether the water purifier and water pipe fittings are leaking to avoid property damage caused by water leakage
7. Regularly check whether the power supply and wires are loose and damaged to avoid major accidents caused by leakage.
8. In case of a tap water outage or when the tap water pipeline is under maintenance, please turn off the power supply of the water purifier. After the water supply resumes, open the faucets of other tap water outlets to drain the sediment in the pipes. Then, start using the water purifier to avoid the filter cartridges from being blocked by a large amount of sediment in the tap water.
9. For the maintenance of the water purifier, as well as the replacement of filter cartridges or other parts, only the replacement components sold by our company should be used. Quality issues, performance degradation, or financial and personal losses caused by using components not from our company are not covered by the warranty.
10. If the device will not be used for more than a week, please close the inlet three - way ball valve and turn off the power supply. When using it again, open the inlet three - way ball valve, plug in the power supply, and open the faucet to let the water run for 5 minutes. After flushing, it can be used normally.

IV. TROUBLESHOOTING

Error Signal	Possible Cause	Solution
Machine not running (Power indicator OFF)	Power is not connected.	Check the power supply and plug.
Machine not running (Maintenance indicator flashing)	Tap water supply is cut off.	Check the status of the tap water supply.
	Inlet ball valve is not open.	Open the inlet ball valve.
	Water pressure is too low.	Add a booster pump/equipment.
	Running continuously for over 30 minutes.	Turn off the power to reset. It is recommended to let the machine rest for 5 minutes before resuming use.
Water Leakage	PE tube is ruptured, not inserted properly, or cut unevenly.	Re-inspect and replace the tube.
	Filter cartridge is not installed in the correct position.	Re-inspect and reinstall the filter.

V. WARRANTY

I. Warranty Period

The warranty period begins on the date of sale. The entire unit is under warranty for **one year**. Consumables, such as filter cartridges and related components, are excluded from this warranty.

II. Warranty Exclusions

The following circumstances are **not covered** by the warranty:

Improper Handling: Malfunctions or damage caused by unauthorized modifications, incorrect installation, or improper use.

External Factors: Malfunctions or damage caused by human error, force majeure (unforeseeable circumstances), or natural disasters.

Temperature Limits: Malfunctions or damage resulting from inlet water temperatures exceeding 38°C or falling below 4°C.

Water Pressure: This machine is designed for a maximum inlet water pressure (including water hammer pressure) of 50 psi. If the water pressure exceeds this limit, a pressure-reducing valve must be installed.

Filter Issues: Malfunctions or damage caused by:

* Failure to replace filter cartridges on schedule.
* Self-replacement using non-original company components.
* Use of inferior quality filter materials.

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