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THANKS

Thanks very much for choosing IMRITA brand, and be the user of IMRITA.

Before the machine installation, we suggest you to read this manual carefully.

If you have any questions during use, please read this manual carefully or contact us directly.

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Your valuable comments on our products and services are most welcome.

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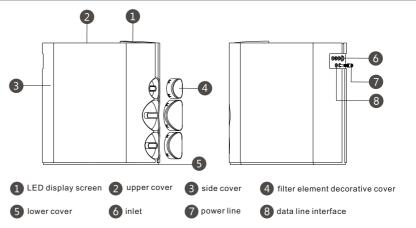
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THE PRINCIPLE OF PERFORMANCE

Structure Diagrams



Function & Feature

Pure water with sweet taste

- --Nano-scale filtration technology, filtering out harmful substances while retaining minerals and trace elements beneficial to the human body.
- --Deep adsorption activated carbon that can remove the organic compounds and chlorine in water.
- --Strontium-rich post activated carbon, further improve the taste, supplement the human body required trace elements.

Large water flow with tank-less design, filtration while drinking, taste more better

---Large water flow to avoid second pollution.

Ultra quiet design, free from noise

--- Double spring damping structure to avoid noise problem.

LED display screen to show the service life of filter cartridge

---LED display screen to see the working status at any time.

Integrated waterway to avoid any water leakage

- ---Integrated waterway design to avoid leakage risks.
- --- Auto water cut off when replace the filter cartridge.

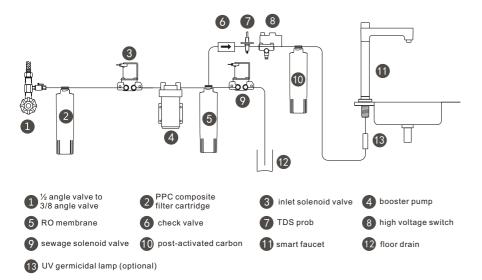
Integrated filter cartridge for easy replacement

- ---Quick connect integrated filter cartridge, simple and fast.
- ---Filter cartridge self-locking structure, the lock will be more and more tight under water pressure to avoid the risk of loosen and leakage.

Ultraviolet sterilization (optional)

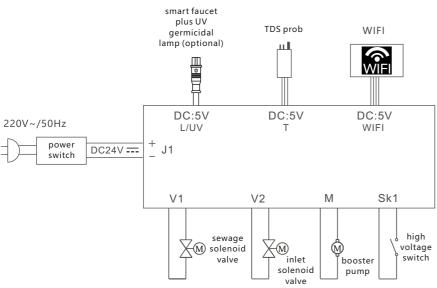
- --Adopting cold cathode UV sterilization, high sterilization rate and long service life.
- --High-tech over-flow UV antibacterial system, all-round effective inhibition of the pipeline that may breed bacteria.

Pipeline Installation Diagram



Electrical Diagram

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Product parameters

Tproduct name: Reverse Osmosis Water Purifier		
Item No.: IMT-NC9	Filter type: PPC+RO+CPF	
Filtration accuracy: 0.0001µm	Working pressure: 0.1-0.4MPa	
Pure water flow: 2.1L/min	Power: 120W	
Power supply: 100-240 V~ 50/60 Hz	Anti Electric Shock Type:	
Product size: 459x160x443(mm)	Water inlet temperature: 5-38°C	
Feed water source: Municipal tap water		

Introduction of filter cartridge

Filter Type	PPC Composite Filter Cartridge	RO	Post-activated carbon
Filtration Accuracy	0.5µm	0.0001µm	0.5µm
Material	PP+C	RO Membrane	Activated carbon
Qty	1pc	1pc	1pc
Function	Remove the sand, rust and other large particles, also remove the residual chlorine and off odor to improve the water taste.	Remove heavy metal ion, bacteria, scale, etc. and retain beneficial minerals and trace elements	Strontium-rich activated carbon to further improve the taste, supplement trace elements beneficial to the human body

Period of filter cartridge replacement

Filter type	PPC composite filter cartridge	RO membrane	Post-activated carbon
Suggest to replace	6-12 months	12-36 months	6-12 months

- 1. The period of replacement is recommended. Please replace the filter cartridge according to the local water quality.
- 2. Please replace the filter cartridge when have the following situation:
- 1) The outlet water quality becomes worse or the water flow decreases, also the filter cartridge clogging.
- 2) When the filter cartridge service life expires, the LED screen cartridge symbol flashes, and at the same time, the smart faucet cartridge character flashes and alarms.
- 3. When the water purifier is installed under the following water conditions, the replacement of the filter cartridge may be more frequent. It is suggested to add pre treatment scheme:
- 1) The source water is surface water source, like Yellow River, some local small rivers, etc.
- 2) In the third and fourth level markets, the source water may not be disinfected or sterilized, such as collective water supply in villages.
- 3) The source water is shallow groundwater, such as rural well water.
- 4) The source water comes from the water tower, such as some open air water tower in newly built community.

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INSTALLATION INSTRUCTIONS

Installation attention

1.Inspect: Check the packing of the water purification system is in good condition or not. Check the parts of the water purification system according to the packing list or not.

Whether the water purification system and warranty card are consistent with Products code on Package.

- 2. Determine installation position:
- ① The distance between the installation position and the power socket must be consistent with the cable length of the power cable. Do not use non-rated power supplies
- ②The table or floor has sufficient conditions to support the operating weight of the water purification system, Do not place upside down or on the side
- 3 There are good drainage measures near the installation location;
- 3. When the water inlet pressure is higher than <math>0.4 Mpa, install a pressure reducing valve in front of the product.
- 4. Suggest to install an UF water purifier to prolong the service life of PPC and RO membrane.
- 5.Do not install the water purification system in the open air where the temperature is too high or too low, in case of affecting the purification effect of the filter element or damaging the water purification system.
- 6. Prepare installation tools, adjustable wrenches, special wrenches, etc;
- 7. Prepare the necessary installation accessories, PE pipe, etc.

Pipe installation Steps

1. Turn off the water source: Ensure that the water source is turned off;

2.Smart faucet installation:

Fix the smart faucet to the reserved hole on the sink, if there is no suitable hole on the sink, you can cut a hole 2.5cm away from the sink, the hole size is 30mm, and then fix the smart faucet on the counter.

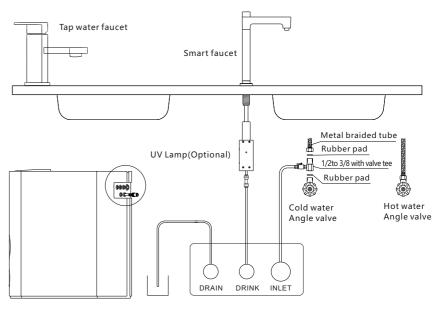
3. Piping installation:

- ①Remove the plug of the water inlet, deep water inlet and concentrated water inlet of the water purification system
- ②Install 1/2 to 3/8 pipe transper connector, Connect the Pipe adapter to the inlet water source, such as the cold water Angle valve or faucet, to ensure that the connection is reliable and does not leak, and connect the other end of the 3/8 PE pipe to the water intake of the water purification system.
- ③Use the 1/4 PE tubing, One end is connected to the smart faucet and the other end is connected to the Outlet water purification system.

If the UV lamp is needed, the water outlet of the UV lamp is connected with the water inlet of the smart faucet, and then the 1/4 PE tube is used to connect the water inlet of the UV lamp to the depth of the water purification system. (As show in picture 1)

(4) Use 1/4 PE pipe, One end is connected to the Sewage of the water purification system, and the other end is connected to the floor drain and fixed with a cable tie.

Warm reminder: Suggest to install an UF water purifier to prolong the service life of PPC and RO membrane.

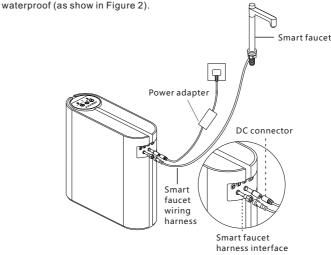


pic1:Pipeline installation diagram;

4. Connect the power adapter, smart faucet wiring harness

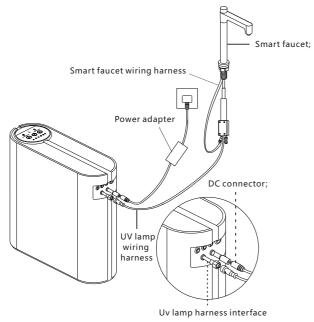
① Plug the power adapter into the power socket, And then insert the power adapter DC to the Power port of the Machine;

② Connect the smart faucet wiring harness to the wiring interface of the water purification system. Note that the sealing ring nut at the wiring interface should be tightened to make it



Pic2: Power adapter Installation, smart faucet wiring harness diagram;

If you want to match UV lamp, Connect the smart faucet wiring harness with the UV lamp output, and then connect the UV lamp input with water purifier system interface; (As show in Pic.3)



Pic.3: Power adapter Installation, smart faucet, UV lamp wiring harness diagram;

5,Rinsing

Check whether all the pipeline connection is correct after installation.

Please flush the machine before first use according to the following steps;

1)Purified water flushing: turn on the outlet water faucet, connect with the power supply, the water purifier will flush automatically; It will come into water production status after flushing, and will last along about 20 minutes for water production, then drains out.

In order to make the drinking water taste better, after the automatic rinsing of the first using machine is completed, it is recommended to flush the machine manually several times to fully ensure the taste. The steps are as follows:

- 1)Turn off the outlet water faucet, the machine in standby mode, press &hole "SET" 3 seconds to start manual flush, continuous flushing more than 10 times;
- 2) Turn on the outlet water faucet for water production 20 minutes, then drains out.
- 3) Turn off the outlet water faucet, rinse again the machine after 12 hours.
- 4)Turn on the outlet water faucet for water production 20 minutes, then drains out. Repeat the above operation for more than 4 times.

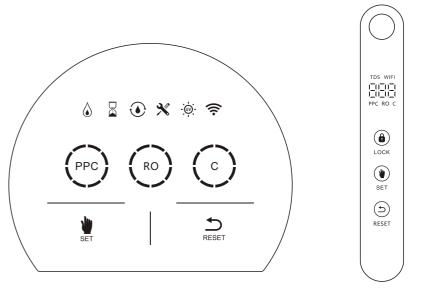
Notice:

In the following cases, it is recommended to rinse according to first using status of the machine.

- 1. The machine has been unused for more than 1 months.
- 2. The machine has been continuous used for more than 3 months.
- 3. After filter cartridge replacement.

HOW TO USE

Function



Pic.4 LED display screen

Pic.5 Smart faucet display

1, Rinse function

The LED display screen will light up when the machine connects with the power supply; It will shows full circle of the Letter A,B,which indicates the service life of filter cartridge;

" lights up, then the machine comes into rinsing status, and will turns into corresponding working status after flushing 180 seconds; The LED display screen will light off automatically when there is no operation within 15 seconds.

2, Water production & standby mode function

After flushing finished, turn on the outlet water faucet, the machine turns into water production status," (ights up; Turn off the outlet water faucet," Ights up; 3,Manual flush function

Press "SET" for 3 seconds when the machine does not in water production status, start the manual flush function; Press "SET" again to stop manual flush when in flushing status; It is invalid when the machine in water production status.

4. Maintenance function

When the machine detects that the booster pump has been working continuously for 6 hours without standby, it will enter into maintenance state. At the same time, the LED screen is always lighting on, and the " * " lighting on.

5, Smart faucet display function

The screen lights up when the smart faucet is turned on and turns off when the faucet is turned off (as shown in Pic.5); Touch any button on the tap, the screen will light up, real-time display the TDS value of deep water purifier, WIFI connection status, filter life (character flashing represents the expiration of filter life), no operation after 15 seconds off

Remarks: Manually rinsing through the intelligent faucet, resetting the filter element, WIFI activated, you need to press the "LOCK" key for 3 seconds first, and then you can operate after unlocking;

6, UV sterilization function (optional)

7.WIFI function (models with iot function)

Filter Cartridge Replacement

1, Service life of filter cartridge reminder

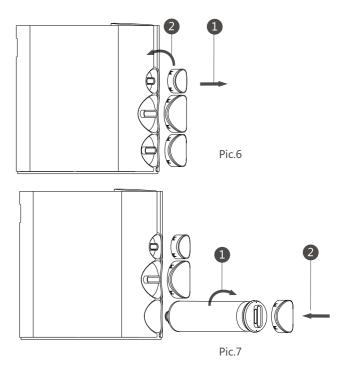
When the water production volume reaches the rated total water production volume, the machine will remind to replace the filter cartridge automatically; LED display screen will light up, the corresponding filter element character of the smart faucet light up too, the letter which is expired will flash and need to be replaced. Dual monitoring mode of flow and use time to remind of filter replacement, when the rated flow is used up or the specified use time of the filter element is up, the alarm will be reminded.

2, Replacement method

- 1)Turn off the tap water faucet, press "SET" 3 second
- 2) Turn on the smart faucet and disconnect the power;
- 3) Remove the decorative cover of the filter element, Rotate the filter cartridge 90 degrees counterclockwise(as shown in Pic. 6);

- 4) Put the new filter cartridge into the right position, rotate it 90 degrees clockwise till it is tightened(as shown in pic.7).
- 5) Connect with the power supply, resin the machine according to the process of system debugging

Tips: Please put the filter cartridge into the right position when replacement; Otherwise it may cause the machine could not work normally, or even damage the machine.



3. Filter cartridge reset

1)Expired filter cartridge reset

Press "RESET" above 3 seconds, the machine automatically resets the filter cartridge which need to be replaced. The reset is successful until the Letters is with full circle and stops flashing; If two or more filters need to be RESET at the same time, press the "RESET" button for more than 3 seconds.

2)Forcibly reset the unexpired filter cartridge

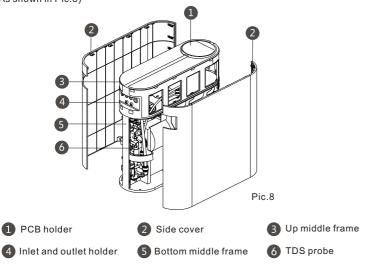
Press "SET" more than 3 seconds to switch to the specified filter cartridge to be forcibly RESET; Press "RESET" again for 3 seconds until the specified filter cartridge is RESET.

Remarks:

Before the smart faucet RESET, you need to press the child lock key for 3 seconds to unlock. The buzzer will beep for 3 seconds when the filter cartridge is successfully RESET.

ROUTINE MAINTENANCE

- 1,Non-professional technical personnel please do not disassemble the machine without authorization.
- 2,Do not put the machine into the water or other liquids to avoid any damage of the machine.
- 3, After water or pipeline maintenance, it is necessary to discharge the sediment from other pipelines, otherwise a large amount of sediment may lead to filter cartridge block, and reduce the service life:
- 4,Please cut off the power supply and turn off the tap water when the machine stop using for a long time.
- 5,Please turn on the outlet water faucet for water production 10 minutes after stop using for a long time.
- $6,\!Do$ not use thinner, alcohol and others for cleaning, otherwise it may cause discoloration, deformation, etc.
- 7,Please check regularly whether there is water flowing out of the sewage port and whether the water flowing into the sewer is smooth when the machine is working.
- 8, Please replace the filter cartridge according to its service life and the local water quality.
- 9, If the machine fails to work during using, please immediately close the inlet angle valve and power supply, check "Malfunctions and Handling", If the fault is not solved, please contact with the retailer or IMRITA.
- 10, Maintenance method
- 1)Replacement and maintenance: inlet solenoid valve, sewage solenoid valve, flow meter, check valve, high pressure switch, TDS probe, integrated water board, twist off the bottom 6 screws first, pull out from the bottom, and remove the side cover; (as shown in pic.8)
- 2)Replace and repair the electronic control board, directly use the hand to button down the PCB holder can be replaced;
- 3)To replace the service pump, remove the side cover according to method 1), and then twist off the six screws connecting the up and bottom middle frames to upper the middle frame. Lift up and remove; (As shown in Pic.8)



MALFUNCTIONS AND HANDLING

The following table is a list of possible malfunctions and their causes, please refer to their general troubleshooting methods.

Malfunction	Troubleshooting	Handling
	Water Supply Adaptor Turned Off	Turn On The Water Supply Adaptor
	The Filter Cartridges Are Not In The Right Position	Put The Filter Cartridge Into The Right Position
Deep Purified Water	Loosening Of Mainboard Wiring	Replug The Mainboard Wiring
Does Not Come Out	The High Voltage Switch Is Malfunctioning And Cannot Be Reset	Replace The High Voltage Switch
	The Booster Pump Is Burnt Out And Cannot Be Started	Replace The Booster Pump
	The Mainboard Was Burnt Out By Overflow	Replace The Mainboard
	Pe Tubing Bent Or Twisted	Do Not Bent Or Twisted The Tubing
	Water Temperature Drops Below 4°C(in Winter)	It Is Normal Phenomenon
Less purified water runs	Tank Valved Is Not Turned On	Turn On The Tank Valve
from the faucet	Water Storage Tank Is Broken	Replace The Tank
	The Filter Cartridges Have Exceeded Its Service Life	Replace The Filter Cartridge
	The Filter Cartridge Is Clogging	Flush Or Replace The Filter Cartridge
	Pe Tubing For Sewage Bent Or Twisted	Do Not Bent Or Twisted The Tubing
Sewage does not drain out when in water production status	Sewage Solenoid Valve Is Clogging	Replace The Solenoid Valve
	The Filter Cartridges Have Exceeded Its Service Life	Replace The Filter Cartridge
large sewage flow drains out	Sewage Solenoid Valve Is Broken	Replace The Solenoid Valve
when in water production status	Pcb Board Damaged Leads To The Short Circuit Of Solenoid Valve	Replace The Pcb Board
the sewage drained out all the time when system in stanby mode	Inlet Solenoid Valve Is Broken	Replace The Inlet Solenoid Valve
	Pcb Board Damaged Leads To The Short Circuit Of Solenoid Valve	Replace The Pcb Board
There is some off odor in	The System Has Not Been Used For A Long Time	Flush The System Or Replace The Filter Cartridge
purified water	The Filter Cartridges Have Exceeded Its Service Life	Replace The Filter Cartridge

Malfunction	Troubleshooting	Handling
	The High Voltage Switch Is Malfunctioning	Replace The High Voltage Switch
The water purifier starts water production repeatedly	Check Valve Could Not Be Closed When Pressure Releasing	Replace The Check Valve
	Pcb Board Damaged	Replace The Pcb Board
	The mainboard is damaged.	Replace the mainboard.
The host " 💥 " and smart faucet light up , displaying E0	The smart faucet leaks or uses too much water, resulting in the water purification system has been continuously producing water for 6 hours without interruption.	Replace the smart faucet and restart the power supply to the water purification system.
	Data cable to the socket is not installed in place.	Reinstall.
Smart faucet display abnormal ,touch no response	The electric control board of faucet is damaged.	Replace the electric control board.
	The main board is damaged.	Replace the main board.