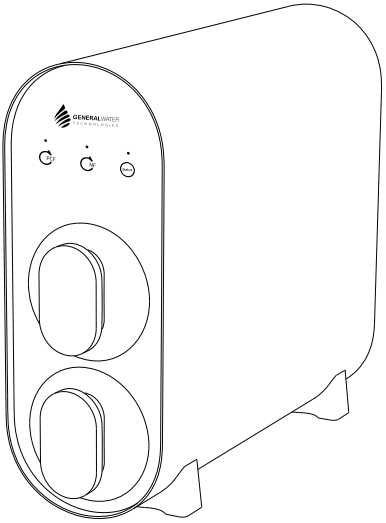
Please read this manual carefully before installation and use.

GENERALWATER TECHNOLOGIES

Reverse Osmosis Water Purifier Product Instruction Manual

Applicable Model: N01USP20R6

Undersink RO Purifier



General Water Technologies

Letter to Customers

Dear Customers,

Thank you for choosing our products!

Before you use this product, please be sure to read the instruction manual in detail and follow the instructions for proper use and maintenance.

If you need service, please contact a professional local service provider.

The replacement filter for this product requires parts approved by Ennopure, Inc. and the use of non-authorized parts could damage the unit and will void the manufacturer's warranty.

Thank you for trusting us with your water purification needs. We look forward to providing you and your family with years of healthy, enjoyable water.

General Water Technologies
Official Website: www.genwatertech.com
Email Address: info@genwatertech.com

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1.WARNING

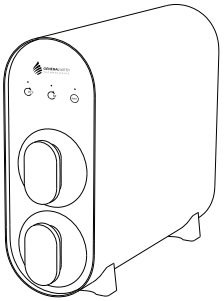
⚠ Remember, this device is an electrical appliance. Please read this user instructions carefully before use and take the necessary precautions to reduce the risk of fire, electric shock or injury.

⚠ The warranty applies only if the unit is used according to these instructions，and unauthorized modification and disassembly are strictly prohibited.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children should be supervised to ensure that they do not play with the appliance.
- Cleaning and user maintenance should not be made by children without supervision.
- Always disconnect the appliance from the power supply before maintenance.
- Do not alter the power plug in any way and do not attempt to open or service the appliance yourself.
- Ensure that the power cable and the power plug are not at risk of getting damaged. To avoid hazard, a damaged power cable must always be replaced by the manufacturer, service agent or similarly qualified person.
- If the appliance is damaged or malfunctions, turn it off, disconnect it from the power supply and contact your Authorized Service Provider.
- The power plug must be firmly inserted in the power socket.
- When disconnecting the unit from the power supply, do not pull on the power cord, pull on the power plug.
- Use the grounded power cable provided with your appliance to plug directly and firmly into an appropriate, grounded electrical outlet. Refer to the rating label on your appliance.

- Do not use an extension cord or a power strip. Refer to the rating label on your appliance.
- Do not sit on, stand, climb onto or hang from the appliance.
- Keep ventilation, do not place any objects on top of or directly against the appliance or within the built-in structure.
- Keep the appliance, including the power cable, at a safe distance from heated surfaces and open fire.
- Keep the appliance and power plug away from water and other liquids.
- Keep the appliance and power plug away from chemicals such as pesticides and deodorants.
- Do not use the appliance outdoors under the direct sunlight or in wet areas.
- The appliance is appropriate for municipal tap water only, and not intended for use of water that is microbiologically unsafe or of unknown quality.
- Do not remove or damage the connector of each part in the device purification system.
- When the device has not been used or left unattended for more than one week, the water and power supply should be cut off to better protect the device. It is recommended to drain the direct drinking water in the first few minutes when reusing, otherwise it may affect the taste.
- The feed water pressure is no less than 0 PSI(0MPa) and no higher than 60 PSI(0.4MPa), and water temperature is no less than 41°F (5°C) and no higher than 100°F(38°C).
- Service must be done by the or an Authorized Service Provider using only original Ennopure, Inc. spare parts, such as electrical parts, filters, etc.

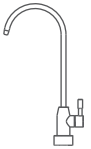
2. Product Packing List



1 Unit

List of accessories illustrated below

Manual x1

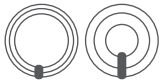


Faucet x1

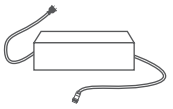
Inlet Three-way Ball Valve x1

Quick Coupling x1

3/8"Clip x1

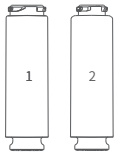


3/8" PE Tubing x1
1/4" PE Tubing x2



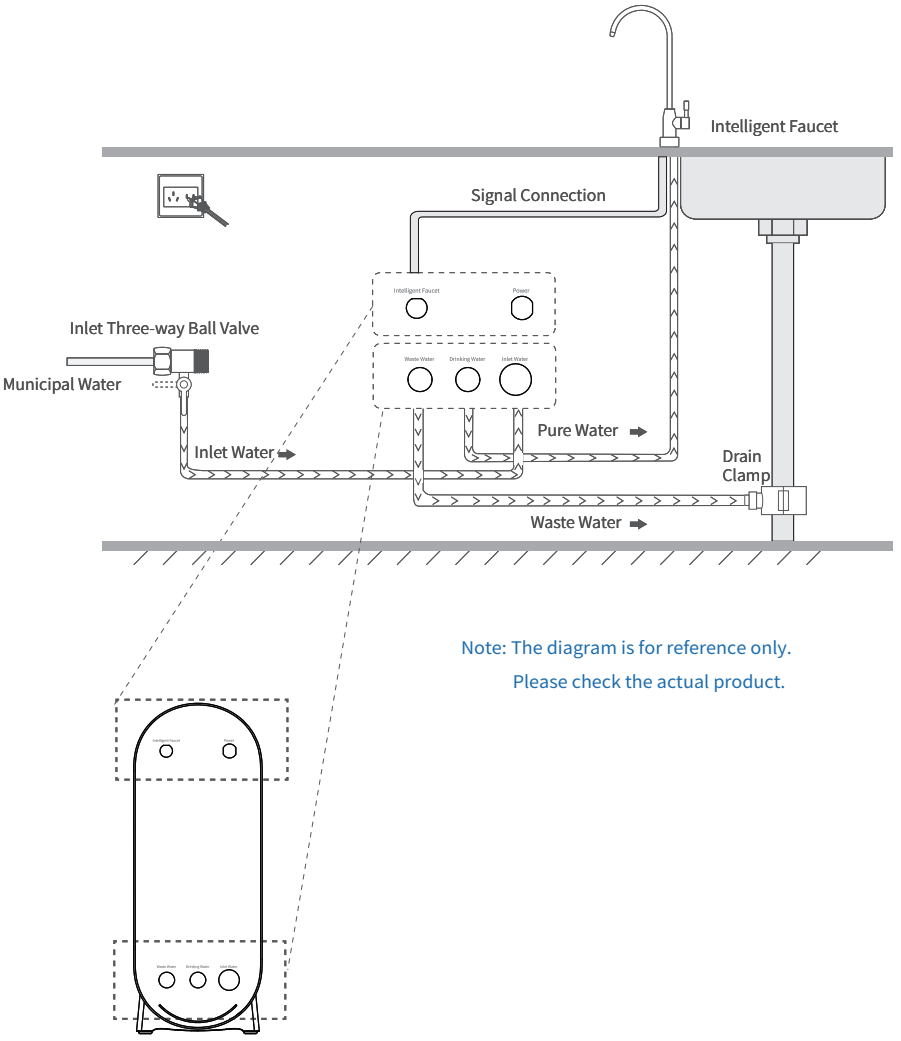
Power Adapter x1

1/4"Clip x3



Filter x2
1st stage PCF
2nd stage RO

3.Functional Schematic Diagram



Note: The diagram is for reference only.
Please check the actual product.

4.Filters & Recommended Interval of Replacement

1

2

Filter	Description	Functions	Recommended Interval of Replacement
1	One-piece PP + Carbon Composite Filter (PCF)	Effective removal of sand, rust, suspended substances, residual chlorine, odor and others from the water; The carbon effectively improves the taste of the water and absorbs coloring and odor in the water.	6-12 months
2	One-piece Polyamide RO Membrane Filter (RO)	Intercept organic substances (CHCl3, CCl4) and heavy metals (As, Pb, Cr) in the water.	24-36 months

Note: The recommended filter lifetime is for reference only, the specific replacement cycle depends on the water source and frequency of use.

This system contains a replaceable treatment component, critical for the effective reduction of total dissolved solids and the product water should be tested periodically to verify that the system is performing properly. See your authorized dealer for testing and replacement filters.

5.Installation Instructions

(1) Preparations Prior to Installation

Please confirm all accessories in the packing box are intact before installation.

1. Unpack and take out the purifier and parts kit.
2. Check the back of the purifier and the packing box for consistency of the serial number.
3. Confirm the installation site and space for the purifier, and reserve a 2-prong outlet.

Note: Make sure to switch off the water supply before installation to avoid water leakage.
Please consult your Authorized service provider or a qualified plumbing contractor for installation support if needed.

(2) Install the Inlet Three-way Ball Valve

Install the inlet three-way ball valve and connect the 3/8" blue PE tubing to the inlet three-way ball valve.

NOTE:

(1) The RO system must be connected to the COLD water supply ONLY.

(2) Do not install the system in exposure to direct sunlight or harmful chemicals, nor any place where it may be damaged.

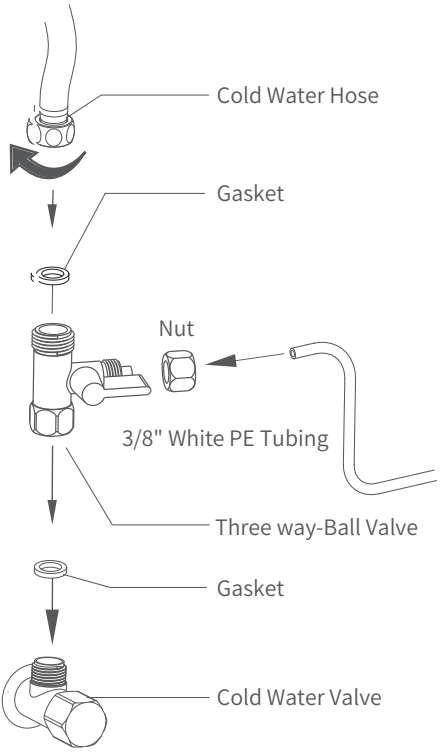
(3) Do not install the system near any heat source.

(4) Do not install the system outdoors.

a. After shutting off the water supply, connect one end of the inlet three-way ball valve to the cold water hose of the faucet.

b. Install the inlet three-way ball valve. Take a suitable length of 3/8" blue PE tubing (ensure the PE tubing ends are smooth and undamaged), slide the ball valve nut over it, insert it into the inlet three-way ball valve, and tighten the ball valve nut.

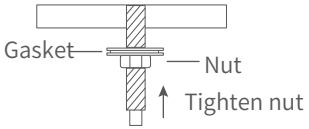
c. After installation, close the inlet three-way ball valve and check for leaks at all connections. Ensure the PE tubing ends are smooth and undamaged.



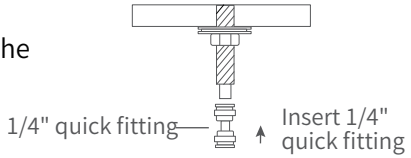
(3) Install the Faucet (Non-Air Gap Faucet)

Insert the faucet through the pre-drilled hole in the sink. Please consult a qualified technician to drill the hole in the sink if needed. Tighten the faucet using the provided gasket and nut from underneath the sink panel to secure it in place. If there is no pre-drilled hole in the sink, drill a 30mm (1 3/16") diameter hole at an appropriate location on the countertop, then proceed with the faucet installation according to the following steps.

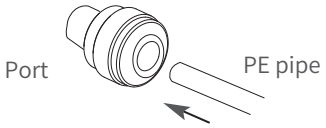
1. Insert the faucet into the hole reserved on the sink and tighten the faucet from the bottom of the sink panel with matching gasket and nut to fix the faucet onto the sink. The faucet plug connects to the machine's "Intelligent Faucet" interface.



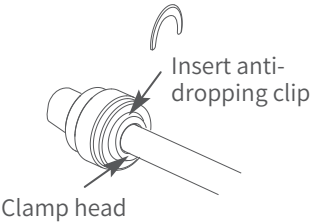
2. Insert the 1/4" quick connector into the bottom of threaded rod.



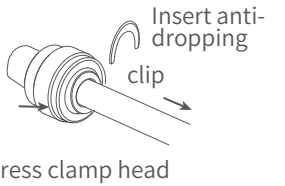
3. Insert the 1/4" PE pipe forcefully into 1/4" quick connector.



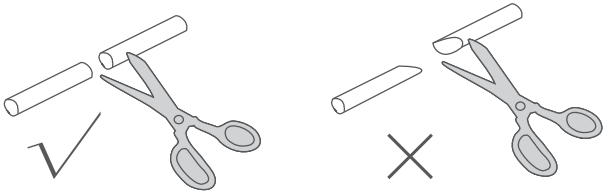
4. After the 1/4" PE pipe is inserted into the bottom, pull it out, insert the anti-dropping clip into the pull-out part of the clamp head and lock the 1/4" PE pipe.



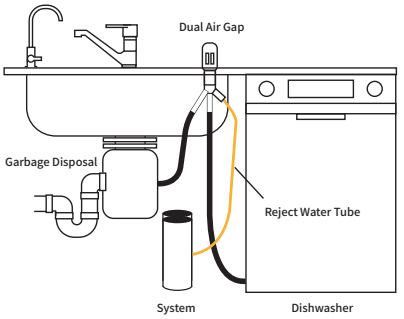
5. If you need to pull out the water pipe, first remove the anti-drop clip, press the clip head and pull out the water pipe forcefully.



Note: When cutting the water pipe, please cut the nozzle of water pipe flat. Never cut it into an oblique cut surface.

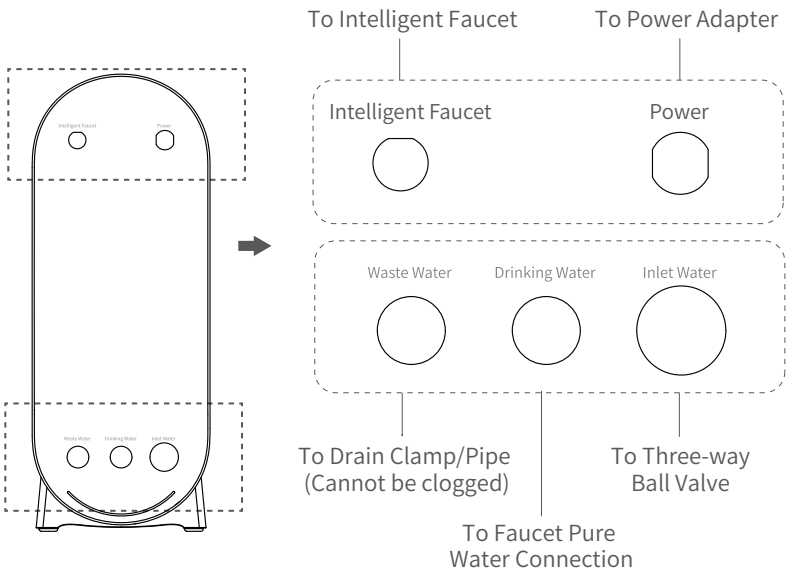


Note: While the system can operate without the need for an air gap, your local plumbing code may require one to be installed. Use a dual air gap for Dishwasher and Nanofiltration or Reverse Osmosis Filters if necessary.
Follow the installation instructions that come with your air gap or dual air gap.



(4) Connect the Components (according to the functional schematic diagram)

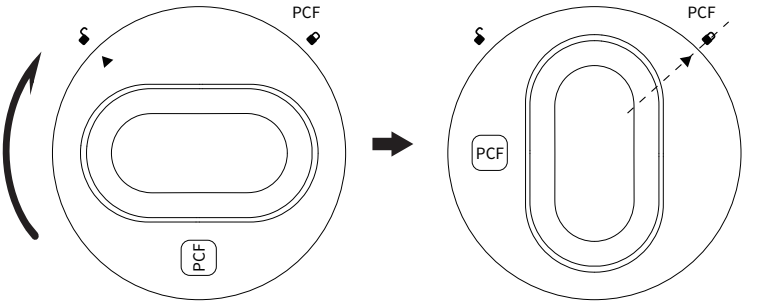
Remove the white and blue plugs from the inlet and outlet ports, then connect the PE tubes to the corresponding labeled ports on the back of the machine. Attach the white wastewater pipe securely to the drain or floor drain and connect the smart faucet signal cable to the smart faucet port on the main unit.



Note: Ensure that all lines are connected according to their labels and double-check all connections after installation.

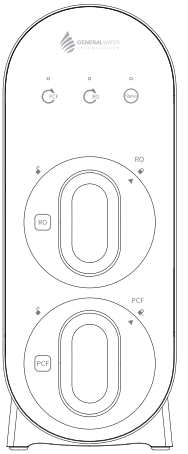
(5) Initial Filter Installation

1. Turn the new filter clockwise, until the ▲ sign is aligned with the lock.



Clockwise

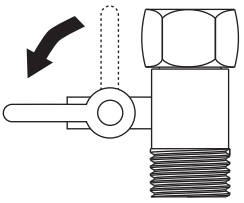
2. Install the remaining filters in turn.

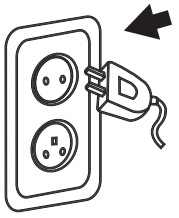


6.Instructions for Use

(1) First Use

1. Open the inlet ball valve and intelligent faucet. Check for leaks.
2. Insert the plug into the power supply. The water purifier will automatically begin a 30 seconds flushing process. Once the flushing is complete, the unit can be used normally.



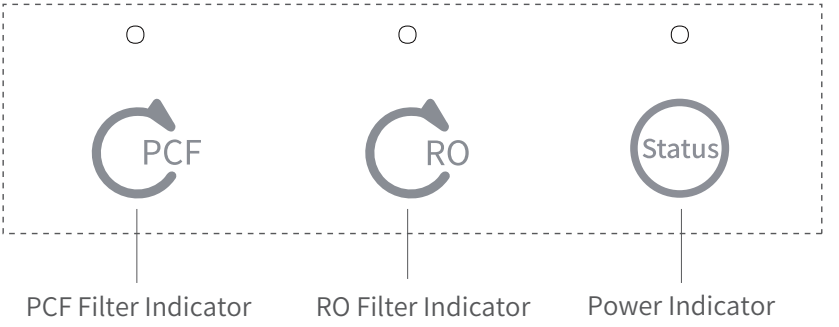


3. Filter Flushing

When using the unit for the first time or after replacing the filter, the filter must be thoroughly flushed.

Since the reverse osmosis membrane contains moisturizing components (primarily food-grade glycerin), it's recommended to use the machine frequently on the first day of installation to improve the taste of the filtered water. The water produced during this period should not be consumed. If the above steps cannot be followed, it's advised to turn on the faucet and let the water flow continuously for 30 minutes before the water is safe for drinking.

(2) Display Functions



Indicator	Display Mode	Display Description
RO / PCF	Blue Light On	The filter is normal.
	Red Light Flicker	The filter life is about to expire, please prepare the replacement filter in advance.
	Red Light On	The filter has expired when the red indicator light is steady, and the buzzer gives beeps when dispensing water.
Status	Blue Light On	The power supply is connected.
	Blue Light Off	The power supply is not connected.
	Red Light Flicker	The machine has been working continuously for more than 2 hours, the protection mode will be activated, no purified water will be dispensed.

(3) Faucet Display Description

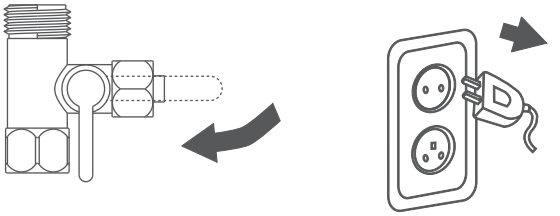
Indicator	Display Mode	Display Description
	Light is Off	Intelligent faucet closed
	Blue Light Flicker	Automatic flushing mode
	Blue Light On	Switching from automatic flushing to water production
		Filter life is normal
	Red Light Flicker	Filter life nearing the end
		Machine malfunction or protection mode, continuous water production for over 2 hours, no water output
	Red Light On	Filter life expired

7.Filter Replacement

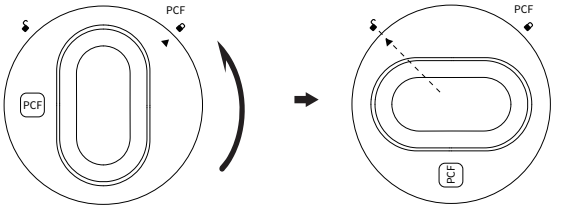
Criteria for Replacing the Filter

The estimated lifespan of the filter in this machine is based on the average household water consumption and is intended for domestic use only. Please do not install this machine in public places with high water consumption.
The factors affecting the filter's lifespan include the quality of the incoming water, water pressure, and usage frequency.
The decision to replace the filter should be based on the approximate usage time of the filter.
Deterioration in taste: This is a criterion for determining whether the post-activated carbon filter needs replacement.
Whether water is coming through the filter: This is a criterion for determining if the filter needs replacement.

1. Close the inlet three-way ball valve and disconnect the power supply.

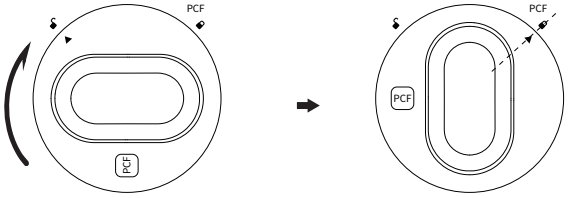


2. Turn the filter counterclockwise and remove it.



Counterclockwise

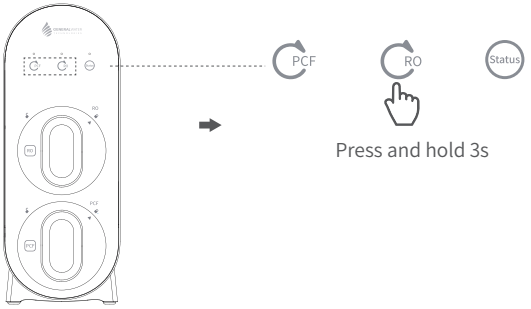
3. Insert the new filter, turn the new filter clockwise, until the ▲ sign is aligned with the lock.



Clockwise ▲Sign and Lock Aligned

4. How to reset the filter

Press corresponding filter icon and hold for 3s, until the buzzer gives one beep and the icon becomes blue, then the filter is successfully reset.



Press and hold 3s

5. Filter Flushing Method:

After installation, the filter should be flushed before the first use.

Refer to the filter flushing method for the initial use (above) to ensure proper cleaning of each filter stage.

8.Maintenance

(1) Purifier Body Maintenance

1. Please wipe with soft cloth.
2. For stubborn dirt or dust, wipe with soft cloth dipped in warm water.
3. Do not wipe the machine surface with volatile liquids, such as ethanol, gasoline, paint thinner and other materials.

(2) Long-term Shutdown of Purifier

1. Please close the inlet three-way ball valve and disconnect the power supply.
2. For restart, open the inlet three-way ball valve, connect the power supply and then start the purifier.
3. Turn on the clean water faucet. It is normal that the water may include fine carbon powder or bubbles in the beginning.
Turn off the faucet after the water becomes clear.
Now, it is ready for normal use.

Note: Do not store flammable and explosive substances near the purifier during operation.

9.Troubleshooting

Symptom	Causes	Troubleshooting
The purifier fails to start	The power supply is not connected or it is not switched on.	Check whether the power plug is loose or not inserted and whether the power switch is turned on.
	Adapter malfunction	Unplug the power supply immediately and contact your Service Provider.
Water leaking from the purifier	Damaged component	Promptly disconnect the power supply, close the inlet three-way-ball valve and contact your Service Provider.
	Improper connection of filter or water tubing	Check whether the filters are installed in position and whether water tubing connections have become loose.
No water comes out from the faucet after start-up of the purifier	The cold water valve or three-way ball valve is not opened.	Please open the relevant valve.
Low water flow from the faucet after start-up of the purifier	Bent water tubing	Check the inlet, waste and pure water tubing.
	The inlet three-way ball valve is not fully opened.	Check whether the inlet three-way ball valve is fully opened.
	Blocked filter	Replace the filter or contact your Service Provider.
Poor quality of treated water	Filter failure	Replace the filter or contact your Service Provider.
	Poor quality of feed water	Confirm the quality of municipal tap water and consider adding a pretreatment device.
The purifier fails to stop or itrepeatedly starts and stops	The faucet is not fully turned off.	Fully turn off the faucet.

Note: If the above symptoms cannot be eliminated, contact your Service Provider.

10.Specifications

Product Name	Reverse Osmosis Water Purifier
Model	USP20R6
Product Code	N01USP20R6
Rated Voltage	120V~
Rated Frequency	60Hz
Rated Power	65W
Water Flow	0.4 gal/min
Capacity	600 Gallons
Inlet Water Pressure	14-58 psi
Working Pressure	58-131 psi
Applicable Water Temperature	41°F-100°F
Ambient Temperature	39°F-104°F
Applicable Water Quality	Municipal / Treated Tap Water
Manufacturer	General Water Technology Co., Limited
Product Dimensions	373mm×132mm×339.5mm/ 14.69"×5.20"×13.37"

11.Warranty Terms

1. The warranty period of the main machine is 12 months, which is calculated from the date of the invoice when purchasing the machine. If this warranty period is exceeded, the user and the Authorized Service Provider can enter into a separate written agreement for other warranty periods. If the user holds an additional warranty certificate provided by the seller for the machine, it is the responsibility of the seller to provide further service support. Customers can contact Ennopure, Inc. support via email at hello@ennopure.com to review support and service options. Please have your invoice available when calling.

2. During the warranty period, an defects of the device will be repaired or replaced free of charge by the Ennopure, Inc..

3. Regardless of whether it is within the warranty period or not, the following parts are not covered by the warranty:

(1) Filter material;

(2) Wearing parts such as sealing rings;

(3) Decorative shell and appearance coating;

(4) Electronic components such as power adapters.

4. Regardless of whether it is within the warranty period or not, the failure or loss caused by the following reasons is not covered by the warranty:

(1) The installation, use and storage of the machine are not carried out in accordance with the requirements or methods of the instruction manual;

(2) Dismantling or modification of the machine without the authorization of the company;

(3) Use of accessories or filter materials not provided by the company;

(4) The external force, water pressure, or temperature exceed the equipment specifications indicated in this manual;

(5) Force majeure factors such as war and natural disasters;

(6) Other failures caused by the user such as freezing, flood.

5. Please keep your proof of purchase and provide it to the company or Authorized Service Provider when requesting warranty service.

6. The company does not make other express or implied warranties or guarantees; The Company shall not be liable for consequential damages caused by a defective machine.

General Water Technologies

(Ver.24.11.13)