



REVERSE OSMOSIS WATER PURIFIER
OPERATION INSTRUCTION

Product model:OPRO600-W



Please read the instructions carefully before use and follow
the instructions strictly
Please keep it safe after reading it for future reference

Thanks for purchase from **ONLYPURE**.
Before using the Tankless RO, please read the
instructions carefully.

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MADE IN CHINA

Notes

This instruction manual lists important safety matters to prevent personal injury or property damage. Please read and understand the text, and be sure to comply with the recorded security matters.



Keep away from children



Clean and replace filters regularly



Protect from direct sunlight and low temperatures



Please use municipal tap water



Please install the machine as close to the floor drain or drain pipe as possible



Do not expose the machine to a heat source or an open fire



Check the inlet water pressure. If it exceeds 0.4MPa, a pressure reducing valve must be installed. If it is less than 0.1MPa, please install a booster device, otherwise the machine may not function correctly.



Check whether the packaging of the machine is intact, please read the manual carefully, and check that the machine parts are complete according to the packing list.

Required Tools



Variable speed drill



Drill bit
1/4" (for the waste line)
1" (for faucet hole)



Adjustable wrench
pliers



Screwdriver



Towel



Flashlight

Parts List



*System Housing *1 Set



PCT Filter*1
(Pre-Sediment, Carbon Block
Filter And Alkaline Filter)



RO Filter*1
(Reverse Osmosis)



*Smart Faucet with
accessories *1 Set



*Operation
Instructions *1pcs



*1/4" Waste water
tubing(Black)*60"



*1/4" Pure water
tubing(Blue)*60"



*1/4" Filter water
tubing(White)*60"



*3/8" Inlet water
tubing (White)*60"



*1/4" Lock Chip *10



*3/8" Lock Chip *6



*Teflon Tape *1



*Three way ball valve *1



*Power Adapter *1



*Drain Saddle *1



*1/4" L-shaped plug *3



*3/8" L-shaped plug *1



*1/2" FIP to 3/8"
Compression *1



*3/8" Compression
to 1/2" FIP *1

Product overview

This machine is only suitable for household and similar occasions, it adopts reverse osmosis membrane as the main multi-stage filtration system. After installation, it only needs to switch on the power supply to realize automatic water making and water making when it is full.

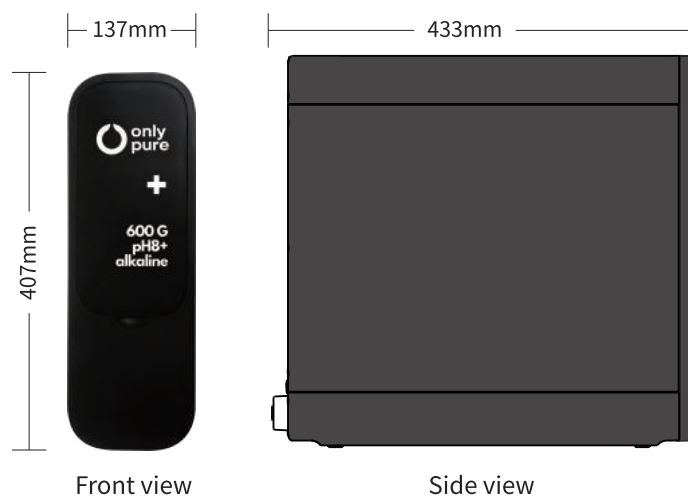
Disclaimers

- All schematic diagrams in this manual are for reference only and are subject to the actual product.
- All content in this document has been carefully verified. If there are any printing errors or misunderstandings in the content, our company reserves the right to interpret.
- All parameters related to product performance of this product are test results under standard test conditions (25 , 0.24MPa), and may vary with different usage conditions during actual use.
- Our company does not assume any responsibility for the consequences caused by not following the "precautions".
- If there are technical improvements to the product, it will be included in a new version of the manual without prior notice.
- If there are any changes to the appearance or color of the product, the actual product shall prevail.

Warm tips

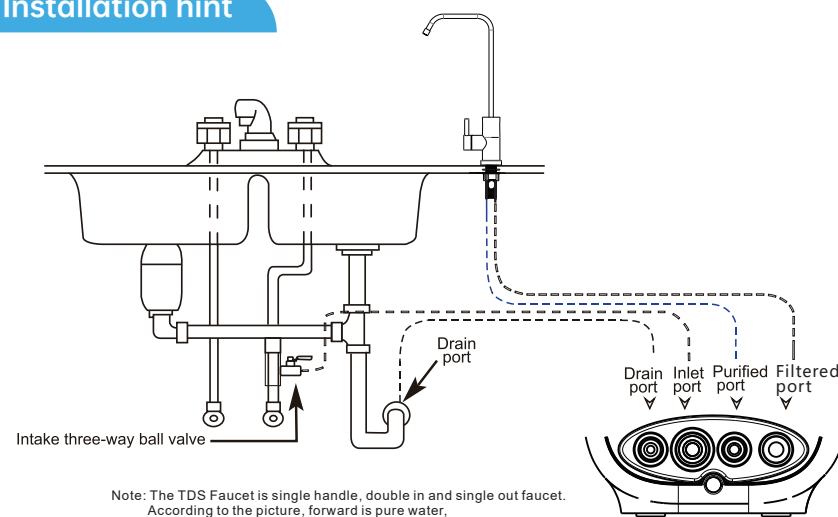
- Please read the user manual carefully before using.
- Please accept the company's return visit and service.
- When the product is not used for a long time or no one is in the home, please close the ball inlet valve and power supply.
- To ensure that your legal rights and water safety are not damaged, you can obtain services through the official website and official service hotline.

Product View



Pipeline interface area

Installation hint



This system OPRO600-B has been certified by IAPMO R&T against NF/ANS 58 for material safety, structural integrity and TDS reduction.

Substance	Influent challenge concentration(mg/L)	Maximum permissible product water concentration
TDS	750+-MG/L	187MG/L

This system has been tested according to NSF/NSI 58 for reduction of the substances listed above. The concentration of the indicated substances in water entering the system as reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 58.

Substance	Test Data
Operating temperature	40°F-100°F
Operating pressure	40psi-100psi
Avg.% Reduction	84.2
Avg.% Recovery	57.2

All the stated parameters related to the performance of this product based on results derived from testing under standard laboratory conditions; actual performance may vary. The efficient rating means the percentage of the influent water to the system that is available to the user as RO treated water under operating conditions that approximate typical daily usage.

Table Two:Influent Water Specifications

TDS	710-790mg/L
PH	7.5+/-0.5
Temperature	25+/- 1 degrees C
Conductivity	1 us/cm

TDS Average Influent, Effluent, and Percent Reduction

	Results	Standard Requirements
Ave Influent(Inf)(mg/L)	760	710-790
Ave Effluent(Eff) E1(mg/L)	119	
Ave Effluent(Eff) E2(mg/L)	121	
Maximum Effluent(mg/L)	172.9	
Ave % Reduction E1	84.3	
Ave % Reduction E2	84.1	
Average % Reduction E1 and E2	84.2	
Minum % Reduction	77.9	

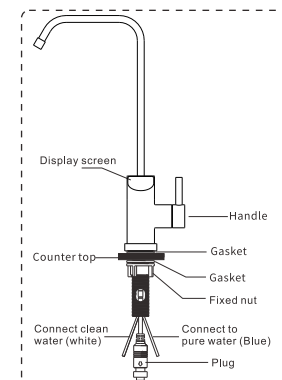
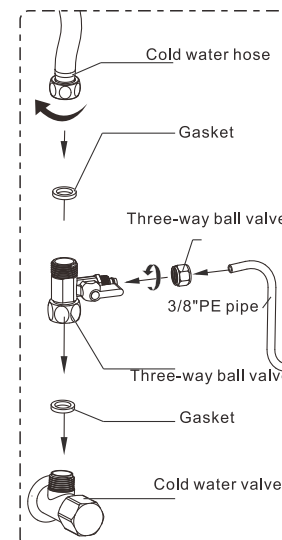
Installation method

1. Install three-way ball valve

- Close the cold water valve and unscrew the cold water hose from the cold water valve;
- Install the three-way ball valve on the cold water valve (do not omit the gasket on the three-way valve during installation);
- Install the cold water hose on the three-way ball valve (do not leave the gasket on the cold water hose during installation).

2. Install intelligent faucet

- Choose the appropriate installation position and installation position in the sink or table. The diameter of the 45mm inside flat, drill a diameter of about 25mm hole; (If the sink already has a suitable mounting hole, skip it). Please install according to the figure;

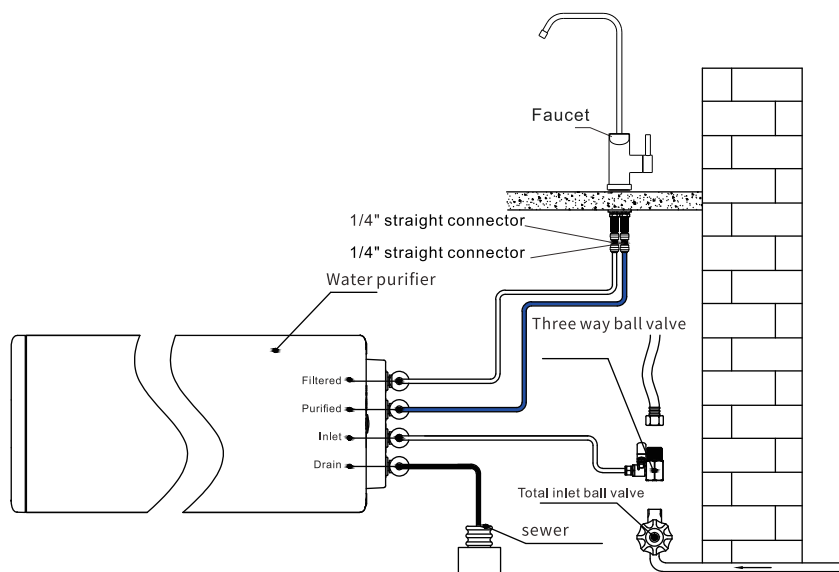


3. Install water purifier

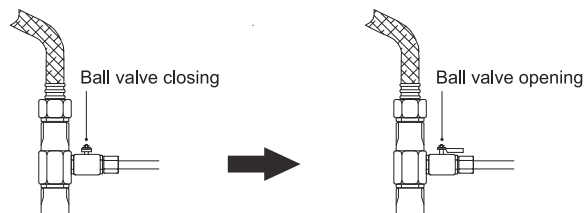
- Put the water purifier on the ground in the appropriate position;
- Connect the inlet water pipe: Cut one end of 3/8" white PE pipe of appropriate length and insert it into the water inlet of the water purifier. Install a quick connect lock at the quick connect slot position, and install one end on the three-way ball valve.
- Connect the pure water pipe: Cut an appropriate length of 1/4" Blue PE pipe, insert one end into the pure water outlet of the water purifier, install a quick connect lock at the quick connect slot position, and install one end on the pure water port of the faucet (used in conjunction with a 1/4" straight connector);
- Connect the filtered water pipe: Cut an appropriate length of 1/4" White PE pipe, insert one end into the water purification outlet of the water purifier, install a quick connect lock at the quick connect slot position, and install one end on the water purification port of the faucet (used in conjunction with a 1/4" straight connector);

●Connect the waste water pipe: Cut an appropriate length of 1/4" Black PE pipe, of appropriate length, insert one end into the concentrated water outlet of the water purifier, install the quick connector lock piece in the position of the quick connector slot, and insert one end into the sewage pipe (the concentrated water pipe needs to be bound and fixed to prevent the high water pressure in the flushing process, resulting in water overflow from the concentrated water pipe).

Note: The above pipeline connections can be seen in the figure below. During actual installation, corresponding L-shaped elbows can be used according to the installation space conditions (3/8 "L-shaped elbow for the water inlet, and 1/4" L-shaped elbow for the pure water outlet/clean water outlet/concentrated water outlet)



After confirming that the connection is correct, you must also confirm that there is a water and power supply, and then start debugging.



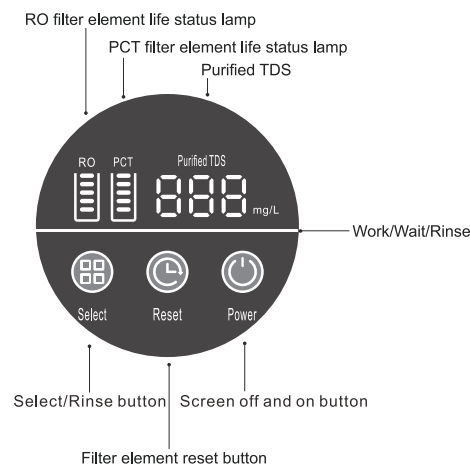
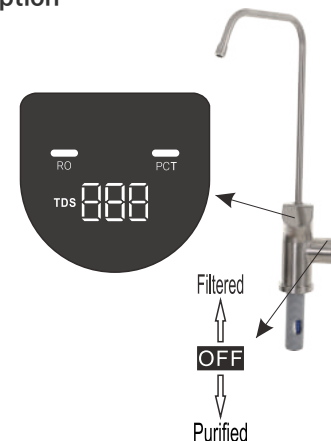
- ①Open the tap water inlet ball valve and the three-way ball valve of the water purifier, plug in the power supply, until the filter element of the machine is filled with water, and the water purifier faucet has pure water flowing out.
- ② The operation of the water purifier is stable. Close the faucet of the water purifier, check whether the joint pipeline of the water purifier is reliable, and whether the joint pipeline is leaking.
- ③ When the water purification organ is closed for 3-5 seconds, check whether the booster pump of the water purifier works;Then open the tap to observe whether pure water flows out. If no pure water flows out, check whether the high pressure switch is not reset or the tap water pressure is too low.
- ④ After all the confirmation, the water purifier can be used safely.

Usage method

1.Component/button/interface description



Product front buttons and indicators



Connecting hole on back of product



2.button use



Power

Gently touch the "Power" button, all display interfaces will light up or turn off, and the power light will always be on (note: the power button is only a screen light function)



Select



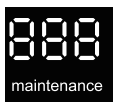
Reset

A: When the water purifier is working, press and hold the "Reset" button for 3 seconds to enter the filter reset program, and then lightly touch the "Select" button to select the corresponding oneFilter element, select the filter element icon to flash (accompanied by an alarm), select the filter element that needs to be reset, press the "Reset" button for 3 seconds to complete the corresponding filter element lifespan reset operation (accompanied by an alarm). If the operation is not performed for 10 seconds, exit the reset program;
B: Press and hold the 'Select' button for 3 seconds to automatically enter flushing mode

3.Indicator status



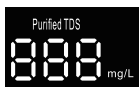
When working, "The light strip scrolls from left to right to illuminate In standby mode, "—"The light strip is constantly on to display
A: Accumulated water production for more than 30 minutes, no flushing, automatic flushing with full water for 18 seconds
B: Power on the entire machine and automatically flush for 30 seconds
C: Press the "Select" button for 3 seconds to automatically flush for 30 seconds; When flushing, the light strip flashes in mode
D: Continuous standby for 6 hours, automatic flushing for 18 seconds without flushing



The machine continuously produces water for 1 hour, shuts down, the 8-character code displays "E1", and alarms 5 times every half hour;When powered on again, the maintenance status can be exited andthe normal mode can be restored



The "PCT" filter element corresponding to the indicator light is the 1st and 3rd filter elements, while the "RO" corresponds to the 2nd filter element. The filter element is always white during its use cycle. Each small cell represents 20% of the lifespan, which is consumed and extinguished one by one. When the last 20% of the filter element remains, it displays yellow. When the accumulated lifespan value is reached, all small cells are extinguished. At the same time, the name below the filter element and the outer frame of the lifespan bar enter flashing mode, and the buzzer alarms.



The TDS value of pure water is displayed in real-time, and is updated every 10 seconds in the water production state. The TDS value is not updated in the full water state.

4.Intelligent faucet display and use



- display interface: when water purification mechanism is used, the display screen will be lit up and will be put out after 10 seconds.
- 8-character code: display the TDS value of pure water under the condition of making water.
- 8-character code: Maintenance status,display E1.
- Filter life strip description: the normal state filter strip white is always bright, expired filter strip red is always bright

5.Usage of filter element



Integrated composite filter cartridge (PCT+ALKALINE)

- Function: Remove impurities of suspended matter, sediment, pipe rust, red worms, and other large particles in the tap water. Absorb different color, odor, improve taste. And adjust the PH level over 8.
- Filter Life: Up to 12 months

Reverse Osmosis Membrane Filter (0.0001µm RO)

- Function: Intercept organic matter (trichlormethane, carbon tetrachloride),heavy metals (arsenic, lead, cadmium), etc.
- Filter Life: Up to 24 months

Note:

1. The actual service life of the filter element is determined by the local water quality, water usage frequency, and water usage. The data in the table is for reference only;
2. the service life of the filter element is the municipal water temperature of 25±1°, and the TDS value of the water is less than 300PPM, when the daily use is 8-10L, about can reach the above life value.

6.Filter element operation guide

When the water purifier encounters the following situations during use, it should be considered to replace the filter element:

- When the effluent quality is poor and the taste decreases;
- The water flow rate decreases significantly, check whether the filter element or membrane has been blocked (should be sure that it is not caused by falling water temperature);
- The filter element is severely blocked, causing the water purifier to be unable to produce water or the purified water to flow out.

Reminder: Before replacing the filter element, please cut off the water source, turn on the faucet to relieve pressure, run the entire machine for 3-5 minutes, and then cut off the power supply;When replacing the filter element, a small amount of residual water will flow out.

1.Removing the old filter element

Step 1: Cut off the water and power sources according to the warm instructions;
 Step 2: First remove the cover plate, select the filter element that needs to be replaced, and rotate the filter element counterclockwise by hand. When the filter element label "▲" aligns with "☞", remove the filter element; (As shown in figure 1)
 Step 3: Remove the filter element and use a clean towel to clean the remaining water inside the frame filter cartridge.



Figure 1

2.Exchange for a new filter element

Step 1: Align the new filter element label "▲" with "☞" and rotate the filter element clockwise. When the filter element label "▲" is aligned with "☞"



Figure 2

Step 2: Cover the cover plate. (As shown in figure 2)

Step 3: Reconnect the power and water sources, lightly touch the "R" button to enter the filter reset program, then lightly touch the "Reset" button to select a replacement filter element, select the filter element, and then press and hold the "Reset" button for 3 seconds to complete the filter element reset (accompanied by a beep).

Step 4: Gently touch the "R" button to rinse the machine. Turn on the gooseneck faucet and rinse for 5-10 minutes. Turn off the faucet and check for any water leaks on the entire machine.

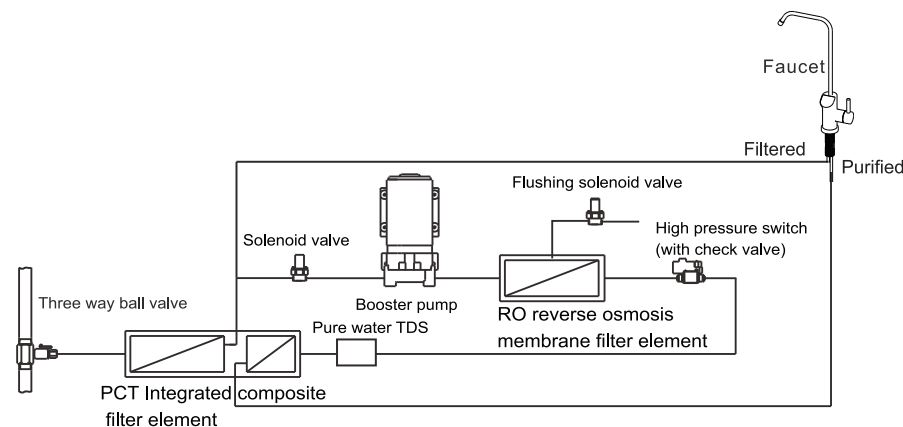
Technical Parameter

Product name	Reverse osmosis water purifier
Model	OPRO600-B
Rated voltage/frequency	100-240V~50/60Hz
Rate power	90W
Applicable water pressure	14.5-87 psi/0.1-0.4 MPa
Pure water flow rate	1.58L/min
Rated total net water volume	4000L
Application environment	Environmental temperature 4 C-40 °C, relative humidity ≤ 90% (indoor)
Applicable water temperature	41-112°F/5-45°C
Applicable water quality	Municipal tap water
Product size	17.7"*5.4"*15.8"

Note:

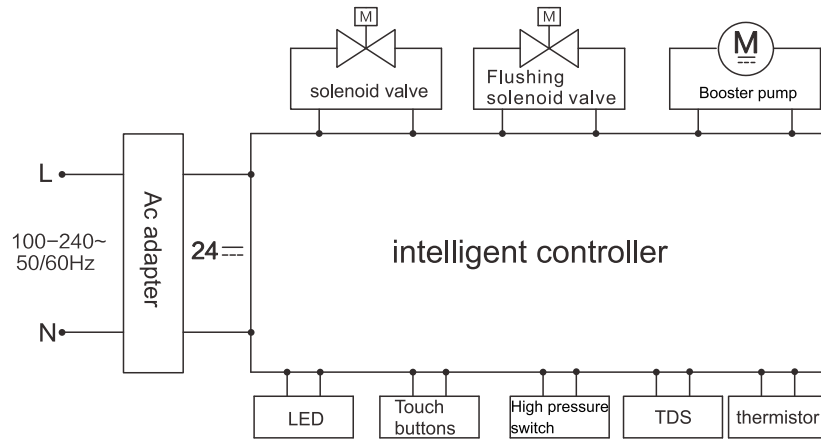
1. All parameters related to product performance of this product are test results under standard test conditions (25 °C water temperature, 0.24MPa inlet pressure), and may vary with different usage conditions during actual use;
2. The water production rate of reverse osmosis water purifiers is directly related to temperature. It is normal for the water output to decrease when the water temperature is low in winter

Water process flow chart



Note: The above water treatment flowchart is for reference only, please refer to the actual product.

Electrical schematic diagram



Troubleshooting

·If the System Cannot Be Powered on After You Insert the Plug of Power Adapter

a. Check the power under the sink, as this mostly occurs when the power under the sink is off. Also, check the connection between the plug and the power outlet, and ensure that the system has been plugged correctly into the power outlet, as this may occur in a few cases. To test if there is a problem with the system itself, just pick up the system and try another power outlet. Please contact us if the system can't be powered on. We will help you figure it out.

·No Output Water from RO Faucet

- a. Filter expired. Check the filter life indicators to confirm which filter needs to be replaced and replace it immediately.
- b. Low water pressure. Check and confirm the water pressure is between 14.5 PSI and 87 PSI.
- c. Water supply is off. Turn on the feed water adapter or water supply valve.
- d. Incorrect filter installation. Re-install the two filters, and make sure they are fitted properly.

Low Water Flow at the RO Faucet

- a. Leak from tubing connection. Check and ensure all tubing is installed correctly and completely.
- b. Filter expires. Check the filter life indicators to confirm which filter needs to be replaced and replace it immediately.
- c. Low water temperature. Be sure to use the system at a temperature of 41-112°F
- d. Use well water as the source and the feed water has not been through a pre-filtration system, the filter has been clogged. If you are using well water as the source, please ensure that the feed water has been through a pre-filtration system. Otherwise, large particles in the wastewater will easily clog the filter and shorten the filter life.

·No Display on the System

a. No power or power adapter is broken. Check and make sure the power adapter is plugged in. Change a new power adapter if it is broken.

·High TDS in Filtered Water

The system will provide a 90%+TDS rejection rate (tested under standard laboratory conditions) after full flushing when working properly. If the TDS reading is high, the following are possible causes

- a. The system hasn't been used for a long time. Open the RO faucet, allow it to run for a while. The TDS reading will return to normal.
- b. The RO filter expired. Replace the RO filter immediately.
- c. The waste water pipe may be crimped or clogged. Check and remove crimps. Re-align the drain saddle and drain pipe.
- d. The source water may have a high TDS. Test the source water and filtered water. The filtered water's TDS shall be about 5%-10% of your source water's TDS. This is a normal range. If there is a high TDS in the source water, it may reduce the service life of the system. When the filtered water's TDS creeps up to 15%-20% of the source water's TDS, please perform routine filter replacement.

·Filtered Water from the RO Faucet Tastes Like Tap Water

- a. Incorrect tubing installation. Make sure the waste water tubing is not connected with RO faucet.
- b. The filters are not well-installed. Make sure the filters are placed properly.
- c. Filter expires. Check the filter life indicators to confirm which filter needs to be replaced and replace immediately. Booster Pump Overworked Reminder.

Limited Product Warranty

We are proud to offer our customers a wide warranty of high-quality products, including reverse osmosis systems. We offer a 1-year manufacturer warranty and tech support. During the warranty period, we will replace or repair any part deemed defective, as long as the product has not been subjected to tampering, alteration, lack of regular maintenance or improper use after delivery. The cost of repair or replacement under those excluded circumstances shall be borne by the consumer.

Conditions of Validity of this Limited Product Warranty THIS LIMITED PRODUCT WARRANTY SHALL ONLY BE VALID IF:

1. The feed water pressure is no less than 14.5 psi and no longer than 87 psi;
2. The feed water temperature must be no less than 41 F and no more than 112 F;
3. The feed water must have a pH between 6.5 and 8.5;
4. Turbidity must be less than 1.0 NTU.
5. The feed water must be municipal tap water.
6. The Total Dissolved Solids (TDS) must be less than 750 ppm.
7. The max hardness must be less than 7 grains per gallon.

Any information or suggestion with respect to our product concerning applications, specifications or standards is provided solely for your convenient reference. The quality of

water supplies may vary seasonably or over a period of time. Your water usage may vary as well. The manufacturer assumes no liability for the determination of the proper equipment necessary to meet your requirements, and we do not authorize others to assume such obligation on our behalf. You must verify and test the suitability of any information with respect to the product for your specific application.

Conditions that render this Limited Product Warranty void:

THIS LIMITED PRODUCT WARRANTY VOID THIS LIMITED PRODUCT WARRANTY SHALL BE VOID IF:

1. The product is purchased from someone other than our official website or our authorized dealers, as we cannot verify or guarantee the integrity or authenticity of the Product.
2. Improper storage, installation, maintenance, handling, use and/or alterations of the Product, including, but not limited to, non-compliance with the installation, maintenance and standard operation conditions stated in the Manual and this Limited Product Warranty.
3. Unreasonable use, unintended use, or misuse of the product for something other than its intended purpose as a reverse osmosis system.
4. Use of replacement parts, filters, membranes or other accessories that are not sold or manufactured by us for use with this particular product.
5. Damage not resulting from manufacturing defects that occur while the product is in the original purchaser's possession.
6. Installation of the product with known or visible manufacturing defects at the time of installation.
7. Damage caused by freezing, flood, fire or Act of God.

Our sole obligation under this warranty shall be repair or replacement of a non-conforming product or parts of this product, or at our option, return of the product and a refund of the purchase price. Our obligation does not include the cost of transportation. We are not responsible for damage in transit, and claims for such damage should be presented to the carrier by the customer.

The warranties set forth herein are the only warranties made by us with respect to the product. We make no warranties, expressed or implied, including, but not limited to, any warranties of fitness or merchantability, except as expressly set forth above.

NOTE: In case some states do not allow limitations on how long an implied warranty lasts, you may choose to return the system. If you choose to keep it, you agree that the above limitations still apply to you.

Return & Repair

We accept returns within the return window if you are not satisfied with your product. In order to fulfill the warranty requirement, please contact us by email at info@onlypurefilter.com, providing your name, order number, phone number, a description of the product involved, and an explanation of the defect, and we will be more than happy to assist you.