



# SMART PURIFIER™ PLUS REVERSE OSMOSIS SYSTEM



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|----------------------------------------------------------------------------------|----|
| <b>Product Introduction</b> .....                                                | 4  |
| Reverse Osmosis (RO) Faucet Modes.....                                           | 4  |
| Guide to Display Panel and Buttons on Your RO Filtration Unit.....               | 4  |
| Guide to Ports.....                                                              | 6  |
| Specifications.....                                                              | 6  |
| Parts List.....                                                                  | 7  |
| <b>Installation Instructions</b> .....                                           | 8  |
| Before Installation.....                                                         | 8  |
| Required Tools.....                                                              | 8  |
| <b>Installation</b>                                                              |    |
| Diagram.....                                                                     | 8  |
| How to Drill a Hole in Your Sink or Countertop (Optional) .....                  | 8  |
| Installation Steps.....                                                          | 9  |
| Step 1: Connect Tubing to the Four Water Ports on the RO Filtration Unit.....    | 9  |
| How to Use the Quick-Connect Fittings.....                                       | 9  |
| Step 2: Prepare the Filter Cartridges.....                                       | 10 |
| Step 3: Install the RO Faucet.....                                               | 10 |
| Step 4: Install the Feed Water Adapter and Connect to the Cold Water Supply..... | 10 |
| Step 5: Install the Drain Saddle and Drain Water Tubing.....                     | 11 |
| Step 6: Start up the System.....                                                 | 11 |
| <b>Product Maintenance</b>                                                       |    |
| Filter Replacement Schedule.....                                                 | 12 |
| Filter Life Reminder.....                                                        | 12 |
| Filter Replacement Guide.....                                                    | 12 |
| Flushing the Filter After Replacement.....                                       | 13 |
| System Maintenance.....                                                          | 13 |
| Troubleshooting.....                                                             | 14 |
| Product Warranty.....                                                            | 17 |

Please read and save these instructions.

This system has been certified by IAPMO R&T against NSF/ANSI 58 for material safety, structural integrity and TDS reduction, NSF/ANSI 372 standard for Lead Free compliance.

| <b>Substance</b> | <b>Influent challenge concentration (mg/L)</b> | <b>Maximum permissible product water concentration</b> |
|------------------|------------------------------------------------|--------------------------------------------------------|
| TDS              | 750±40MG/L                                     | 187MG/L                                                |

| <b>Substance</b>      | <b>Test Data</b> |
|-----------------------|------------------|
| Operating temperature | 40°F - 100°F     |
| Operating pressure    | 40 psi – 100 psi |
| Avg.% Reduction       | 90               |
| Avg.% Recovery        | 70               |

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.

## Product Introduction

This Smart Purifier PLUS is equipped with two cutting-edge, high-capacity water filters housed in an under-cabinet filtration unit, as well as a separate smart faucet for dispensing the filtered/purified water. Both the filtration unit and the smart faucet feature digital displays for your convenience.

## Reverse Osmosis (RO) Smart Faucet Modes:

The RO smart faucet has three dispensing modes, as displayed on the faucet handle:

**Filtered** – for uses other than drinking (for example, when washing dishes). In this mode, only the PCT Filter (which primarily removes particles and sediment) is used, not the Reverse Osmosis (RO) filter, thus extending the life of the RO filter. Note that in this mode the TDS value (see below) will not be shown on the faucet display because the RO filter is not being used.

**Purified** – best for drinking water. In this mode, both the PCT filter and the RO Filter are used, resulting in the purest water. The faucet display will show the TDS value in this mode.

**Off** – the faucet is turned off and will not dispense.

## Guide to Display Panel and Buttons on the RO Filtration Unit:

### RO display indicator

- Indicates status of the Reverse Osmosis (model MRF3) filter. The letters “RO” remain continuously lit as long as it is not yet time to replace the filter. The number of bars lit when in filter reset mode indicate the amount of filter life remaining. (See “Reset button” section below.)
- Note that the RO display indicator will begin flashing (and the buzzer will sound 10 times) when the preset filter lifespan has been reached and the filter needs to be replaced. (See discussion under “Reset button” below and the “Filter Replacement Guide” section of this manual.)

### PCT display indicator

- Indicates status of the three-stage PCT Composite (model MPF1) filter. The letters “PCT” remain continuously lit as long as it is not yet time to replace the filter. The number of bars lit when in filter reset mode indicate the amount of filter life remaining. (See “Reset button” section below.)
- Note that the PCT display indicator will begin flashing (and the buzzer will sound 10 times) when the preset filter lifespan has been reached and the filter needs to be replaced. (See discussion under “Reset button” below and the “Filter Replacement Guide” section of this manual.)

### **Purified Water indicator**

- The digital readout indicates in real time the quantity of TDS (“Total Dissolved Solids,” including all minerals such as sodium, calcium, magnesium, etc.) in the purified water, measured as mg per liter. This value is updated every 10 seconds.
- Note that the TDS value displays only when the RO faucet is dispensing in “Purified” mode. (See the “Reverse Osmosis (RO) Smart Faucet Modes” section above.)
- Note also that the TDS value shown on the unit display refers only to the level of TDS in the purified water. Although the level of TDS is one important measurement of water quality, it does not encompass all aspects of water quality.

### **Horizontal light strip (just above buttons)**

- Flashes on and off when unit is flushing.
- Note that the unit automatically flushes for 18 seconds after first being powered on. The unit also automatically flushes (for 18 seconds) after 30 minutes of continuous use and again (for 18 seconds) after 6 hours of continuous use.
- Light moves along the strip from left to right while the unit is dispensing.
- Light strip remains fully lit when unit is ready to dispense and is operating normally.
- Light goes off when unit requires attention or maintenance.
- Note that if the unit is powered on for 60 minutes with the faucet on but the light strip has still not lit up, this may indicate a problem requiring maintenance. In this case, the unit will enter maintenance mode, the digital readout will display “E1,” the buzzer will beep, and the buzzer will continue beeping 5 times every half hour until the unit is reset. Reset the unit by unplugging the main unit power cord from the outlet under the sink and then plugging it back in again.

### **Select button**

- When the system is not already flushing or is not in reset mode (see below), pressing and holding the Select button for 3 seconds triggers an 18-second strong flush of the system.
- See below for uses of the Select button when in filter reset mode.

### **Reset button**

- Press and hold the Reset button for 3 seconds to enter the filter reset mode. Then repeatedly tap the Select button to toggle between the display indicators for the relevant filter element (RO or PCT; the relevant filter’s indicator will flash when selected). The number of bars that remain lit on the filter

display indicates the approximate filter life remaining (where fewer bars lit indicates less time remaining before the filter needs to be replaced).

- After changing a filter, the filter's corresponding display indicator should be reset. To do so, press and hold the Reset button for 3 seconds to enter filter reset mode, then tap the Select button as needed to highlight the relevant filter's indicator. Finally, press and hold the Reset button again for 3 seconds until you hear the system beep.

### **Power button**

- Press the power button to turn on or off all display functions. (Note that the power button only controls the display screen functions; the RO filtration unit itself automatically powers on when the main power cord is plugged into a power outlet under the sink.)

## **Guide to Ports**

### **"PURIFIED" water port**

For purified (drinking) water leading out to RO faucet. Connects with 1/4" white polyethylene (PE) tubing (see Installation Step 1 below).

### **"FILTERED" water port**

For filtered (e.g., washing) water leading out to RO faucet. Connects with 1/4" blue polyethylene (PE) tubing (see Installation Step 1 below).

### **"INLET" water port**

For incoming feed water that has not yet been filtered/purified. Connects with 3/8" white polyethylene (PE) tubing (see Installation Step 1 below).

### **"DRAIN" water port**

For removal of waste water resulting from the filtering/purification process. Connects with 1/4" black polyethylene (PE) tubing (see Installation Step 1 below).

## **Specifications:**

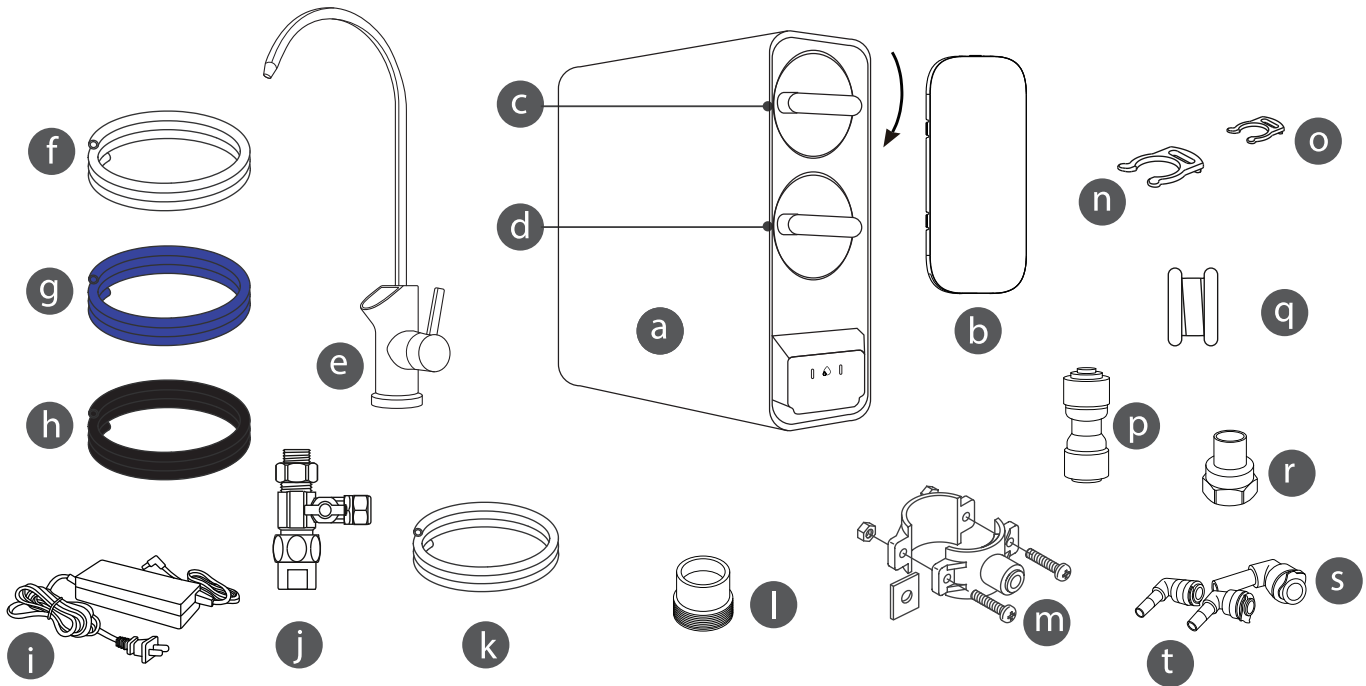
To achieve optimal performance, it is highly recommended that the system be used only within these operational parameters.

|                        |                         |
|------------------------|-------------------------|
| Model                  | EWR 301000              |
| Size (L*W*H)           | 17.1"x 5.4" x 15.9"     |
| Feed Water Pressure    | 14.5-87 psi/0.1-0.4 MPa |
| Feed Water Temperature | 41-100 °F               |
| Feed Water Requirement | Municipal Tap Water     |

|                           |                      |
|---------------------------|----------------------|
| Power Specification       | Input 110-240 V AC   |
|                           | Output 24 V DC       |
| Rated Frequency           | 100-240 V ~-50/60 Hz |
| Max Daily Production Rate | 1000 GPD             |

Note: if you are using well water as the source, please ensure that the feed water has passed through a pre-filtration system.

# Parts List



| Part     | Description                         |
|----------|-------------------------------------|
| <b>a</b> | RO Filtration System                |
| <b>b</b> | Front Cover                         |
| <b>c</b> | PCT Filter (Pre-installed) x1       |
| <b>d</b> | RO Filter (Pre-installed) x1        |
| <b>e</b> | Smart Faucet x1 set                 |
| <b>f</b> | 1/4" Filtered water tubing (red) x1 |
| <b>g</b> | 3/8"Purified water tubing (blue) x1 |
| <b>h</b> | 1/4" Drain water tubing (black) x1  |
| <b>i</b> | Power adapter and cord x1           |
| <b>j</b> | Feed water adapter x1               |

| Part     | Description                                   |
|----------|-----------------------------------------------|
| <b>k</b> | 3/8" Inlet water tubing (white) x1            |
| <b>l</b> | Adapter Nut (3/8" Compression to 1/2" FIP) x1 |
| <b>m</b> | Drain saddle x1 set                           |
| <b>n</b> | 3/8" Lock clips x8                            |
| <b>o</b> | 1/4" Lock clips x8                            |
| <b>p</b> | 1/4" Quick-connect fitting x1 AND 3/8"x1      |
| <b>q</b> | Teflon tape x1                                |
| <b>r</b> | Adapter Nut (1/2" FIP to 3/8" Compression) x1 |
| <b>s</b> | 3/8" L-connector x2                           |
| <b>t</b> | 1/4" L-connector x2                           |

{not pictured}

3/8" Pressure Reducing Valve --> 40 PSI x1  
3/8" Leak Detect x1



# Installation Instructions

## Before Installation

### Required Tools:

- Variable speed drill
- Screwdriver
- Adjustable wrench, pliers
- Utility knife or scissors
- Flashlight
- Towel
- Drill bit 1/4"

### How to drill a hole in your sink or countertop (optional):

**NOTE:** Confirm if there is an existing hole available to install the RO faucet. If not, drill a hole according to the following steps.

- a. Choose a diamond core bit for granite or a carbide drill bit for stainless steel. Do not use a hammer drill on natural stone, glass, or ceramic.
- b. Choose a spot on your sink or countertop where you want the hole to be located, and drill the 1" hole.
- c. To help guide the bit make an indent with a center punch on a stainless-steel sink before drilling.
- d. Be careful when drilling on a porcelain sink, as it can be easily chipped. Apply downward pressure firmly on the bit until you break through the surface.
- e. Starting at the lowest speed, hold the drill straight with firm pressure to prevent the bit from walking on the counter.
- f. Once you break through the surface, swirl the drill a little to apply pressure in a circle evenly.

## Installation Steps:

### Step 1: Connect tubing to the four water ports on the RO filtration unit

#### a. Prepare the ports

There are four ports at the bottom back of the filtration system unit.

- First, remove the blue lock clip from each port by pulling the clip straight up.
- Then, remove the white connector from each port by pushing down lock sleeve, then pulling the plug straight out.
- Insert the appropriate size L-shaped connector into each port with the larger end of each L-shaped plug connector (i.e., the end that has a Quick-Connect fitting) pointing upward. The "PURIFIED" + "INLET" water port takes a 3/8" L-shaped connector; the "DRAIN", and "FILTERED", water ports each take a 1/4" L-shaped connector.

#### b. Connect the tubing

Connect the appropriate polyethylene (PE) tubing to the Quick-Connect fitting on each of the four L-shaped connectors (see detailed connection instructions below), in the following order:

- Insert the 1/4" **red** tubing into the L-shaped connector in the **Filtered** water port.
- Insert the 3/8" **blue** tubing into the L-shaped connector in the **Purified** water port.
- Insert the 3/8" **white** tubing into the L-shaped connector in the **Inlet** water port.
- Insert the 1/4" **black** tubing into the L-shaped connector in the **Drain** water port.

Push a blue lock clip of the appropriate size onto each of the four upward-facing Quick-connect fittings to lock the tubing in place and prevent it from coming out.

### How to Use the Quick-Connect Fittings

#### To connect:

There is an existing mark at the end of the tubing for you to confirm if the tubing is fully inserted into the Quick-Connect fitting. Push the tubing into the fitting until it reaches the mark on the tubing (about 0.8"). Then, push the blue lock clip onto the Quick-Connect fitting to hold the tubing in place.

#### NOTE:

- If the tubing is not fully inserted, no seal will be created and leakage will occur.
- If the tubing is too long, cut it to a suitable length with a sharp utility knife or scissors. Cut the tubing squarely and cleanly.

#### To disconnect:

- Remove the blue lock clip from the Quick-Connect fitting.
- Use your thumb and index finger to press down the lock sleeve. Use your other hand to pull out the tubing from the fitting.

**NOTE:** Do not pull out the tubing directly without first pressing down on the lock sleeve, as otherwise the fitting may be damaged and leakage occur.

## Step 2: Prepare the filter cartridges

- a. Remove the front cover of the RO filtration unit.
- b. Twist the end of the top filter 90 degrees counterclockwise and pull the filter out of the unit.
- c. Remove the rubber band from the top of the filter.
- d. Re-insert the filter into the RO filtration unit and twist it 90 degrees clockwise to lock it into place.
- e. Repeat the above process with the lower filter.

## Step 3: Install the RO faucet

- a. Slide the rubber ring onto the bottom end of the faucet body (the end where the blue and white tubes come out) and position the ring into the round groove that is in the base of the faucet body.
- b. Slide the black washer onto the bottom end of the faucet body so that it covers the rubber ring.
- c. Insert the base of the faucet body through the hole in the countertop.
- d. Then, insert the faucet spout into the faucet body fully and firmly.
- e. Under the sink, tighten the gray nut until the faucet is fixed firmly in the countertop without any wiggling.
- f. Insert one end of a straight 1/4" to 1/4" Quick-Connect fitting fully and firmly onto the end of the short **white** tubing coming from the bottom of the faucet body, using a 1/4" lock clip to lock it in place (see above "How to Use Quick-Connect Fittings").
- g. Insert the open end of the **red** Filtered water tubing that runs from the RO filtration unit (see Step 1 above) fully and firmly into the other end of this Quick-Connect fitting, using a 1/4" lock clip to lock it in place.
- h. Insert one end of a straight 1/4" + 3/8" Quick-Connect fitting fully and firmly onto the end of the short **blue** tubing coming from the bottom of the faucet body, using a 1/4" lock clip to lock it in place.
- i. Insert the open end of the **blue** Purified water tubing that runs from the RO filtration unit fully and firmly into the other end of this Quick-Connect fitting, using a 3/8" lock clip to lock it in place.

## Step 4: Install the Feed Water Adapter and connect to the cold water supply

**CAUTION:** DO NOT CONNECT THIS WATER LINE TO A HOT WATER SUPPLY LINE. The water supply to the unit **MUST** be from the COLD-WATER LINE. Using HOT WATER will severely damage your filters.

- a. Turn off and then disconnect the existing cold water supply line.
- b. Wrap the exposed threads of the feed water adapter and of the braided supply line with Teflon tape, about 10x around each.
- c. Connect each end (i.e., the male and the female ends) of the feed water adapter to the cold-water supply line.

NOTE: An extra adapter nut is included on the feed water adapter allowing it to attach to either a 3/8" or 1/2" feed plumbing line.

- d. Unscrew the 3/8" lock nut from the port that protrudes from the side of the feed water adapter.
- e. Slide this 3/8" lock nut over the open end of the 3/8" white Inlet water tubing running from the RO filtration unit (see Step 1 above).
- f. After soaking the open end of the white Inlet water tubing in a glass of hot water for approximately 30 seconds, attach it to the port on the side of the feed water adapter by pushing the open end of the tubing directly over the lip of the port until it seals tightly all around. Then slide the lock nut into place and use a wrench to tighten the nut to the feed water adapter so that the tubing is held securely in place.

### **Step 5: Install the Drain Saddle and drain water tubing**

- a. Choose a spot on the drainpipe under the sink that is convenient for installing the drain saddle and drill a 1/4" hole in the drainpipe. Be sure not to penetrate the opposite side of the pipe.

**NOTE:** It is recommended that the drain saddle be installed on the vertical portion of the drainpipe

- b. Stick the foam seal over the hole on the drainpipe, ensuring that the hole in the foam seal is aligned with the hole in the drainpipe.
- c. Insert the open end of the **black** Drain water tubing that runs from the RO filtration unit (see Step 1 above) firmly into the half of the drain saddle that has a hole with a quick connect fitting in it. Push the tubing through the hole in the drain saddle until the tubing comes out the other side of the drain saddle approximately 1/2".
- d. Position the drain saddle on the drainpipe so that—when the drain saddle is pushed snug against the pipe—the tubing aligns with and inserts into the hole in the drainpipe. Position the other half of the drain saddle on the opposite side of the drainpipe so the holes in the wings of the two halves of the drain saddle align. Insert a bolt through these aligned holes on each side of the drain saddle, then screw a nut onto the end of each bolt and use a screwdriver to tighten the bolts firmly in place.

### **Step 6: Start up the system**

- a. Insert the faucet power cord which is connected to the faucet into the "FAUCET" connector at the back of the RO filtration unit housing and tighten the nut.
- b. Insert the appropriate end of the unit's main power cord into the socket located just below the Faucet connector on the back of the unit housing.
- c. Turn on the cold-water supply. Check for any leaks in the system.
- d. Plug the other end of the unit's main power cord into an outlet under the sink.

**NOTE:** If the system does not power on after you insert the power plug, check whether there is power flowing to the outlet under the sink, as this problem most often occurs when the power under the sink is powered off. Also, check to ensure that the power plug is plugged fully and correctly into the outlet. To test if there is a problem with the system itself, try powering on the system using another power outlet.

Please contact us if the system cannot be powered on, and we will help determine the source of the problem.

e. After the first power-up, the system will beep and then start an automatic 18-second flush. After the initial 18-second flush is complete, turn on the tap and let the system continue flushing for an additional 30 minutes to wash the filter cartridge.

**NOTE:** Do not drink the water when the system is flushing.

Be sure to carefully check the tightness of each part of the system while flushing. Check and ensure that all tubing is installed correctly and completely. Make sure there are no leaks at the joints, fittings, valves, or tubing connections.

## Product Maintenance

### Filter Replacement Schedule:

| Filter Type                   | Replacement Schedule                                                                                                                                                     | Function                                                                                                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SMF RO1000PCF<br>(PCT Filter) | After 1600 gallons or 8-12 months                                                                                                                                        | Removes sediment, sand, rust, suspended materials, residual chlorine, and abnormal flavor and odor from water, improving the taste.                                                         |
| RO 1000M<br>(RO Filter)       | After 1300 gallons or 12-24 months (longer life assumes faucet's "Purified" mode is reserved for use only with drinking water—see section on "Smart Faucet Modes" above) | Can effectively reduce TDS (Total Dissolved Solids) and the presence of substances including arsenic, lead, chromium, sodium, mercury, nitrates, and other heavy metals found in tap water. |

### Filter Life Reminder:

There are convenient electronic filter indicators on the front panel of the RO filtration unit (see above section "Guide to Display Panel and Buttons on your RO Filtration Unit") and on the smart faucet screen. These will notify you when it is time to perform routine filter replacement. Be sure to reset the filter life indicator every time you replace a filter (see Filter Replacement Guide" below for instructions).

### Filter Replacement Guide:

Before replacing a filter, turn off the cold and hot water supplies under the sink, then open the faucet to fully release the water pressure on the system. Wait 3-5 minutes and then unplug the power cord to the RO filtration unit.

- a. Remove the front cover of the RO filtration unit.
- b. Twist the filter that needs to be replaced counterclockwise until the triangle symbol on the filter is aligned with the “unlocked” symbol on the filter housing.
- c. Remove the old filter by pulling it straight out. Note that a small amount of residual water will flow out when the old filter is removed. Use a clean towel to wipe up any remaining water inside the empty filter housing.
- d. Remove wrappings and protective cap from the new filter.
- e. Insert the new filter into the corresponding filter hole, aligning the triangle symbol on the filter with the “unlocked” symbol on the housing, then rotate 90° clockwise until the triangle symbol is aligned with the “locked” symbol on the housing. You may hear a click when the filter is in place.
- f. After the filter is in place, plug the power cord back into its outlet and turn the water supply back on. Press and hold the filter Reset button for 3 seconds to enter the filter reset program, then tap the selection key to select the desired filter. Press the Reset button again for 3 seconds until you hear the system beep. The filter is now successfully reset.

### **Flushing the Filter After Replacement:**

Once either or both filters have been replaced and the unit’s power cord is plugged back in, the system starts will flushing automatically for 18 seconds. The horizontal light strip on the RO Filtration Unit display flashes while the unit is flushing.

### **System Maintenance:**

If the system will not be used or will be left unattended for more than 3 days, unplug it from the power source and shut off the cold-water supply to prevent the “water hammer” effect that can be caused by unstable water pressure and which can cause damage to the unit.

If you do not use the machine for more than 3 days, it is recommended that the faucet be opened to flush for a few minutes before the water is used again.

Please replace the filters regularly when prompted by the filter life indicator.

Note, however, that testing was performed under standard laboratory conditions, actual performance may vary depending on the source water quality and water usage. In order to prevent blockage and failure of the filters, it is recommended that the filters be replaced in accordance with actual usage when heavier-than-normal usage and/or poor water quality may otherwise cause the filters to expire prematurely.

Clean the system with clear water. Do not spray water directly on the filter. Do **not** use steel wool, abrasive cleaners or corrosive liquids such as gasoline or acetone.

When cleaning, do not pour other liquids into the filter so as not to risk damaging the filter system.

Keep the wastewater pipe unobstructed to avoid damage to the filter or internal components.

When the drainpipe is blocked, do not use the system (and please turn off the power) to avoid wastewater from flooding the floor.

Check the system and water pipe fittings regularly for water leakage to avoid any property damage.

Regularly check whether the power supply and wires are damaged or loose to avoid major accidents caused by an electrical malfunction.

**NOTE:** If you are using well water as the source, please ensure that the feed water has passed through a pre-filtration system. Otherwise, large particles in the well water may clog the filter and shorten the filter life.

## **Troubleshooting:**

### **If the System Cannot Be Powered on After You Insert the Power Plug**

- a. Check the flow of electricity to the power outlet under the sink, as this problem most often occurs when there is no flow of electricity to the outlet. Also, check to ensure that the system has been plugged correctly into the outlet.
- b. To test if there is a problem with the system itself, try plugging the system into another power outlet. Please contact us if the system can't be powered on, and we will help determine the source of the problem.

### **No Output Water from RO Faucet**

- a. Filter has 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: Reinstall the two filters, making sure they are inserted properly.
- e. A tubing is crimped: Check all tubings and remove any crimps.

### **Low Water Flow from Faucet**

- a. A tubing is crimped or there's a leak at the tubing connection: Check to ensure all tubing is installed correctly and completely and that there are no crimps.
- b. Filter has expired: 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 with a water temperature of 41-100 °F.
- d. If you use well water as the source and the feed water has not passed through a prefiltration system, the filter may have become clogged. If you are using well water as the source, please ensure that the

feed water passes through a pre-filtration system. Otherwise, large particles in the well water may clog the filter and shorten the filter life.

### **High TDS in Filtered Water**

The system will provide a 90% TDS (Total Dissolved Solids) 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: Turn on the RO faucet and allow water to run for a while. The TDS reading should return to normal.
- b. The RO membrane filter has expired: Replace the RO membrane filter immediately.
- c. The wastewater tubing may be crimped or clogged: Check and remove crimps. Realign the drain saddle and drainpipe.
- d. The source water may have a high TDS: Test both the source water and filtered water. The filtered water's TDS should be about 5%-10% of your source water's TDS. This is a normal range. A high TDS in the source water 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, perform routine filter replacement.

### **Water Leakage**

- a. Check all joints, fittings, and tubing connections to locate the leakage.
- b. Make sure the filters are properly installed.

### **Filtered Water from the RO Faucet Tastes Like Tap Water**

- a. Incorrect tubing installation: Make sure the RO drain water tubing is not connected to the RO faucet.

### **Loud Sound from the RO System**

Normally, the operating sound of the RO System will not exceed 55 dB, which is largely unnoticeable in everyday life (55 dB is as tested under standard laboratory conditions, when the feed water pressure is between 14.5 psi and 87 psi). A loud sound may be caused by the following:

- a. The system is not positioned on a flat surface: Make sure the system is placed evenly without shaking.
- b. The system is placed against the cabinet: Do not place the system in contact with the cabinet, the system may vibrate when it is operating.
- c. The water pressure is unstable: Check and confirm that the water pressure is between 14.5 psi and 87 psi. The sound will decrease when the water pressure becomes stable.



## **2 Year Unlimited Warranty**

### **Smart Purifier™ PLUS Tankless Reverse Osmosis System**

Thank you for your purchase of our Smart Purifier™ PLUS Tankless Reverse Osmosis System. For proof of purchase, please retain your Invoice/Sales Order Copy.

#### **Warranty ~ Offered**

Excalibur Water Systems warrants its products to be free from defect in materials and workmanship to the original owner from the date on the proof of purchase as described below.

#### **Warranty ~ Working Procedures**

If during the suitable warranty period, a part is defective, then Excalibur Water Systems will repair or replace that part at no charge to the original owner, with the exception of charges for nominal shipping, service and/or installation.

#### **Warranty ~ Coverage Outlined**

Excalibur Water Systems guarantees, to the original owner, a period of 2 years, less consumables (replacement cartridges and membranes) the BODY to be free of defects in materials and workmanship and to perform its proper functions. To the original owner, a period of 2 years, all parts to be free of defects in materials and workmanship and to perform their normal functions to the original owner as long as it is maintained with proper service and maintenance. Cartridges must be changed every 12 months.

#### **Warranty ~ Service**

In the event you require service, your local Excalibur Water Systems Dealer will provide all necessary service and installation for your Smart Purifier™ PLUS Tankless Reverse Osmosis System. To obtain warranty service within 30 days of discovery of the defect, notification must be given to your local Excalibur Water Systems Dealer.

#### **General Provisions**

The above warranties are effective provided the Smart Purifier™ PLUS Tankless Reverse Osmosis System is operated at water pressures not exceeding 125psi and at water temperatures not exceeding 120°F; also provided that the RO system is not subject to abuse, misuse, alteration, neglect, freezing, accident or negligence; and provided further that the RO system is not damaged as the result of any unusual force of nature such as, but not limited to flood, hurricane, tornado or earthquake. Excalibur Water Systems is excused if failure to perform its warranty obligations is the result of strikes, government regulation, materials shortages or other circumstances beyond its control.

THERE ARE NO WARRANTIES ON THE RO SYSTEM BEYOND THOSE SPECIFICALLY DESCRIBED ABOVE. ALL IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED TO THE EXTENT THEY MIGHT EXTEND BEYOND THE ABOVE PERIODS. THE SOLE OBLIGATION OF EXCALIBUR WATER SYSTEMS UNDER THESE WARRANTIES IS TO REPLACE OR REPAIR THE COMPONENT OR PART PROVES TO BE DEFECTIVE WITHIN THE SPECIFIED TIME PERIOD AND EXCALIBUR WATER SYSTEMS IS NOT LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. NO DEALER, AGENT, REPRESENTATIVE OR OTHER PERSON IS AUTHORIZED TO EXTEND OR EXPAND THE WARRANTIES EXPRESSED ABOVE.

Certain provinces or states do not allow limitations on how long an implied warranty lasts or exclusions or limitations of incidental or consequential damage, therefore limitations and exclusions in this warranty may not apply to you. This warranty extends your specific legal rights as you may have other rights which vary from province to province or state to state.

Excalibur Water Systems is a manufacturer of water treatment products.

Barrie, ON  
Canada



