



# Owner's Guide & Reference Manual



## Tankless Reverse Osmosis

*Instant flow. Real-time TDS monitoring. No tank. No waiting.*

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## PART ONE SAFETY & COMPLIANCE

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*Read before installation, operation, or service*

### 1.1 Important Safety Instructions

This manual contains critical information for the safe installation, operation, and maintenance of your Life Filtration system. Failure to follow these instructions may result in personal injury, property damage, or voiding of your warranty. All installation and servicing must be performed by a trained Life Filtration professional.

#### **⚠ WARNING**

**ELECTRICAL HAZARD** — Disconnect power from the unit before performing any service or maintenance. Do not operate the system with a damaged power cord, plug, or adapter. Contact Life Filtration for any electrical component replacement.

#### **⚠ WARNING**

**WATER QUALITY** — This system is NOT intended for use with water that is microbiologically unsafe or of unknown quality without adequate pre-disinfection. Do not connect to non-potable water sources.

#### **◆ CAUTION**

**CHILDREN & VULNERABLE PERSONS** — This appliance is not intended for use by children or persons with reduced physical, sensory, or mental capabilities without direct supervision.

#### **◆ CAUTION**

**APPROVED PARTS ONLY** — Use only Life Filtration certified replacement filters and components. Use of unauthorized parts may reduce performance, void your warranty, and create safety hazards.

#### **◆ CAUTION**

**PRESSURE LIMITS** — Never exceed the maximum operating pressure specified for your system. Install a pressure-reducing valve if your inlet pressure exceeds the rated maximum.

### 1.2 Before You Begin

#### Pre-Installation Checklist

- Verify that your water supply meets the inlet pressure and temperature requirements.
- Confirm your home's plumbing connections match the system's inlet/outlet specifications.
- Check and comply with all applicable local plumbing codes and ordinances.
- Have your water tested by a Life Pro before installation to identify any pre-treatment needs.
- Ensure a certified Life Filtration technician performs the installation.

**NOTE** Life Filtration provides free professional installation with every system. Do not attempt self-installation. Improper installation may void your warranty and cause property damage.

## PART TWO SYSTEM OVERVIEW & SPECIFICATIONS

*How your system works and what it delivers*

### 2.1 System Description

The Life Filtration Tankless Reverse Osmosis System is a next-generation, high-speed water purification unit that delivers purified water on demand at up to 800 gallons per day — without the use of a pressure storage tank. Its tankless design eliminates the risk of bacterial growth in stored water and provides a continuous supply of fresh, clean water instantly.

Equipped with a real-time TDS monitor, child safety lock, automatic shut-off, and smart filter replacement reminders, this system is engineered for modern kitchens and health-conscious households. An optional alkaline filtration stage is available to re-mineralize purified water and raise pH to 7.5–8.5.

<b>Glass of Water</b> <b>~4 seconds</b>	<b>Full Pot</b> <b>~45 seconds</b>	<b>Full Sink</b> <b>~2 minutes</b>
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### 2.2 What This System Removes

The following contaminants and substances are reduced by your Life Filtration system. Actual reduction performance depends on local water quality, operating conditions, and regular filter maintenance.

● Total Dissolved Solids (TDS)	● Pharmaceuticals
● Chlorine & Chloramines	● Pesticides
● Heavy Metals	● Arsenic
● Lead	● Sediment & Rust
● Fluoride	● Chemical Odors
● Nitrates	● Dissolved Solids
● Bacteria & Viruses	● Chromium
● PFAS / PFOA	● Sulfates

### 2.3 Filtration Stages

Each stage of your system plays a specific role in the purification process. Understanding each stage helps you recognize when service may be needed.

Stage	Component	What It Does	Service Interval
1	<b>Pre-Sediment Filter</b>	Removes particles, rust, sand, and debris	6 – 12 months
2	<b>Carbon Block</b>	Reduces chlorine, chloramines, VOCs, and chemical taste/odor	6 – 12 months

3	<b>High-Speed RO Membrane</b>	Removes dissolved solids, heavy metals, bacteria, fluoride	12 – 24 months
4	<b>Post-Carbon</b>	Final polishing stage for clean, fresh taste	6 – 12 months
5	<b>Alkaline (Optional)</b>	Re-mineralizes purified water and raises pH to 7.5–8.5	12 months

**NOTE** Filter life estimates are based on average household conditions. High sediment, chlorine, or TDS levels may require more frequent replacement. Life Filtration will assess performance at each annual visit.

## 2.4 Technical Specifications

<b>Filtration Stages</b>	5-stage high-speed filtration
<b>Max Daily Output</b>	600 – 800 GPD
<b>Fill Speed</b>	Glass ~4s · Pot ~45s · Sink ~2 min
<b>Operating Pressure</b>	40 – 100 PSI
<b>Inlet / Outlet</b>	1/4" standard quick-connect tubing
<b>Dimensions</b>	15" H x 14" W x 5" D (approx.)
<b>TDS Monitoring</b>	Real-time inlet and outlet TDS display
<b>Safety Features</b>	Child lock, automatic water shut-off
<b>Noise Level</b>	Low-noise booster pump operation
<b>Power Supply</b>	110–120 VAC / 24 VDC adapter
<b>Installation</b>	Free Professional Installation Included

## 2.5 Factors That Affect Performance

System performance is influenced by several variables including inlet water pressure, water temperature, total dissolved solids (TDS) concentration, and water hardness. Your Life Pro will monitor these factors during annual water testing visits and adjust the system or recommend pre-treatment if conditions change.

### Water Pressure

Low pressure reduces flow rate and filtration efficiency. Keep inlet pressure between 40–100 PSI. Below 40 PSI, the booster pump will compensate but output speed may be reduced.

### Water Temperature

Cold water reduces membrane output. System performs optimally within the rated temperature range.

### TDS / Hardness

High TDS or hardness accelerates filter wear and can foul membranes. Monitor IN/OUT TDS readings monthly as an early indicator of performance change.

### Sediment Load

High turbidity clogs pre-filters quickly. A whole-house sediment pre-filter upstream extends component life significantly.

### Usage Volume

Higher daily water consumption reduces filter lifespan proportionally.

## PART THREE OPERATION & INDICATORS

*Understanding your system's controls and status displays*

### 3.1 Starting Up Your System

Your Life Filtration system is professionally commissioned during installation. The steps below describe what happens during initial startup and what you should expect.

Step	Action	Details
1	<b>Initial Flush</b>	The system performs an automatic flush to condition the filters. Duration: 5–10 minutes.
2	<b>Pressure Stabilization</b>	Allow 10–15 minutes for pressure to normalize throughout your plumbing.
3	<b>First Water Draw</b>	Discard the first 1–2 liters of water from the outlet.
4	<b>Normal Operation</b>	The system is now ready for regular use. The TDS display will show live IN and OUT readings.

## PART FOUR MAINTENANCE & FILTER REPLACEMENT

*Keeping your system in peak condition*

### 4.1 Maintenance Philosophy

Life Filtration systems are designed to be low-maintenance for the customer. All scheduled maintenance is handled by your Life Pro as part of your included service plan. The information in this section is provided for reference and transparency so you understand exactly what service your system receives.

#### ✓ Annual Maintenance

Free yearly visit by Life Filtration

#### ✓ Annual Water Testing

Free on-site water quality testing each year

#### ✓ Unlimited Service Calls

No caps, no charges — ever

### 4.2 Maintenance Schedule

Maintenance Task	Frequency	Notes
<b>Replace pre-filter (Stage 1)</b>	Every 6–12 months	Smart indicator will alert when due
<b>Replace carbon block (Stage 2)</b>	Every 6–12 months	Change with Stage 1 typically
<b>Inspect / Replace RO membrane (Stage 3)</b>	Every 12–24 months	Assessed by TDS readings
<b>Replace post-carbon (Stage 4)</b>	Every 6–12 months	Smart indicator will alert when due

<b>Replace alkaline stage (Stage 5)</b>	Every 12 months	If alkaline upgrade is installed
<b>Monitor TDS readings</b>	Monthly	Record IN/OUT values for reference
<b>Annual water quality test</b>	Annually	Full water analysis included
<b>System sanitization</b>	Annually	Included at annual maintenance visit
<b>Inspect tubing and connections</b>	Annually	Check for leaks or wear
<b>Clean faucet and unit exterior</b>	As needed	Soft damp cloth only

### 4.3 Filter Replacement Procedure

Filter replacement is performed by your Life Pro during the annual maintenance visit. The steps below describe the process for reference. Contact Life Filtration at (786) 347-1982 to schedule service.

Step	Action	Details
1	<b>Power Off the Unit</b>	Press the power button and unplug the unit from the wall outlet.
2	<b>Close the Water Supply Valve</b>	Shut off the inlet supply valve fully before servicing.
3	<b>Identify the Filter to Replace</b>	The smart display will indicate which filter icon is active.
4	<b>Twist and Remove Cartridge</b>	Rotate the cartridge counterclockwise to unlock and pull out.
5	<b>Insert New Certified Cartridge</b>	Align and push the new cartridge in, then rotate clockwise to lock.
6	<b>Restore Power and Water</b>	Re-open the supply valve and plug the unit back in.
7	<b>Allow Flush to Complete</b>	Wait 5 minutes for the system to complete the auto-flush cycle.
8	<b>Verify TDS Display</b>	Confirm OUT TDS readings are within normal range (below 50 ppm).

**NOTE** Only use Life Filtration certified replacement cartridges. Third-party filters may not fit correctly, can reduce filtration performance, and will void your Warranty.

### 4.4 System Sanitization

Annual sanitization of the system is recommended to prevent bacterial growth inside filter housings and tubing. This procedure is performed by your Life Pro during the annual maintenance visit and is included in your service plan at no charge. Do not attempt to sanitize the system yourself with household chemicals, as this can damage components.

## PART FIVE TROUBLESHOOTING

*Diagnosing and resolving common issues*

### 5.1 Before You Call for Service

Use the troubleshooting guide below to identify common issues and their solutions. If the problem persists after following the recommended actions, contact Life Filtration at (786) 347-1982 — unlimited service calls are included with your system.

Symptom	Possible Cause	Recommended Action
<b>No water output</b>	Power not connected or supply valve closed	Check power adapter and supply valve. Confirm indicator is lit.
<b>Low water flow rate</b>	Clogged pre-filter or insufficient inlet pressure	Check indicator lights. Confirm inlet pressure is 40–100 PSI. Schedule filter replacement.
<b>High OUT TDS reading</b>	RO membrane nearing end of life or high feed TDS	Note IN vs OUT TDS values and contact Life Filtration. Membrane may need replacement.
<b>Unit making loud noise</b>	Performing flush cycle or low inlet pressure	Loud sound during flush is normal. If persistent during normal operation, call Life Filtration.
<b>Water leak from unit</b>	Loose tubing connection or damaged fitting	STOP USE. Close supply valve. Contact Life Filtration immediately.
<b>Filter icon showing red</b>	Filter cartridge expired	Contact Life Filtration immediately to schedule replacement. Do not continue use without servicing.

### 5.3 Frequently Asked Questions

#### Q How is a tankless RO different from a traditional RO system?

A traditional RO system stores purified water in a pressurized tank, which can harbor bacterial growth if not maintained. The tankless system produces purified water on demand at high speed (up to 800 GPD), eliminating stored water entirely — delivering fresher, safer water with every use.

#### Q What does the TDS number mean?

A TDS (Total Dissolved Solids) measures the concentration of dissolved substances in your water in parts per million (ppm). Purified water from a well-maintained RO system typically reads below 50 ppm on the OUT display. A rising OUT TDS — especially with stable IN TDS — may indicate the membrane needs assessment.

#### Q How quickly does it produce water?

A The system fills a standard 8 oz glass in approximately 4 seconds, a pot in approximately 45 seconds, and a full sink in approximately 2 minutes — depending on local water pressure and temperature.

#### Q Does the unit need to stay plugged in?

A Yes. The booster pump and smart display require a continuous power connection to operate. Do not unplug the unit except during servicing.

## PART SIX WARRANTY, SERVICE RECORD & CONTACT

### 6.1 Warranty

#### WHAT IS COVERED:

This Warranty covers defects in materials or workmanship in manufacturing of your Life Filtration water filtration system.

#### FOR HOW LONG:

This warranty runs for the life of the product (“25 Year Lifetime Warranty”).

#### WHAT IS NOT COVERED:

This warranty does not cover filter cartridges and any products that were not used in compliance with the instructions or that have been abused or operated incorrectly. It also does not cover incidental or consequential damages caused by failure of the product. Finally, this warranty is voided if the product is used with parts that are not genuine Life Filtration parts. This includes, but is not limited to: replacement filters; Electronic components are covered for a 5 year period on our Titanium systems and a 7 year period on Signature systems. And a 10 year period on tanks for Signature.

#### WHAT LIFE FILTRATION WILL DO:

We will replace the defective part of the covered product or provide you with installation instructions.

If you need to file a warranty claim, contact Life Filtration at (786) 347-1982 or [Clientservices@lifefiltration.com](mailto:Clientservices@lifefiltration.com) within the Warranty Period to describe the problem to a customer service representative who will verify that the product is under warranty and arrange for delivery of a replacement part.

#### HOW STATE LAW APPLIES;

This warranty gives you specific rights and you may have other rights which vary from state to state.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

#### WARRANTY CARD:

Warranty registration is not required for coverage under the Life Filtration Limited Warranty and is not necessary for factory direct purchases made from <https://www.lifefiltration.com>.

If you purchased from a retailer or dealer, please complete the online warranty registration form at <https://www.lifefiltration.com>.

Once registered online, we will have a record of your purchase and a proof of purchase for your records.

➔ <https://www.lifefiltration.com>

## 6.2 Your Included Service Plan

### ✓ Free Professional Installation

Certified technician installs everything at no charge

### ✓ Annual Maintenance Visits

One scheduled visit per year to inspect and service your system

### ✓ Annual Water Testing

On-site water quality testing at no cost, every year

### ✓ Unlimited Service Calls

We come out as many times as needed — no fees, no limits

## 6.3 Contact Life Filtration

For service, warranty claims, filter replacements, or any questions about your system, contact Life Filtration using the information below. A Life Pro is available to assist you.

<b>Office Address</b>	1001 Brickell Bay Drive #2701, Miami, FL
<b>Customer Service</b>	(786) 347-1982
<b>Email</b>	clientservices@lifefiltration.com
<b>Website</b>	www.lifefiltration.com
<b>Business Hours</b>	Monday – Friday, 8:00 AM – 6:00 PM EST
<b>Emergency Line</b>	(786) 347-1982 (available after hours for urgent issues)

## LIFE FILTRATION

1001 Brickell Bay Drive #2701, Miami, FL · (786) 347-1982 · www.lifefiltration.com