



Owner's Guide & Reference Manual

Salt-Free Conditioner

Soft water at every tap. Protects your home, your appliances, and your skin.



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PART ONE SAFETY & COMPLIANCE

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 Life Filtration 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 Whole-House Salt-Free Water Conditioner & Carbon Filtration System is an advanced, dual-purpose water treatment solution that combines high-capacity activated carbon filtration with proven salt-free scale prevention technology. The carbon stage removes chlorine, chloramines, VOCs, chemical odors, and harmful contaminants from your entire home's water supply.

The salt-free conditioning stage uses Template-Assisted Crystallization (TAC) technology to transform hard water minerals into microscopic crystals that cannot adhere to surfaces as scale — delivering all the benefits of soft water without salt, chemicals, wastewater discharge, or sodium addition to your water. Your system is engineered for reliability, minimal maintenance, and long-term performance.

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.

● Chlorine	● Scale Formation (TAC)
● Chloramines	● Industrial Chemicals
● VOCs & Solvents	● Pesticides & Herbicides
● Chemical Odors & Taste	● Pharmaceuticals
● Heavy Metal Traces	● Disinfection Byproducts
● Sediment (pre-filter stage)	● Organic Contaminants

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	Sediment Pre-Filter	Removes particles, rust, and debris before entering carbon and conditioning tanks — protects downstream media	3 – 6 months
2	Activated Carbon Media	High-capacity activated carbon removes chlorine, chloramines, VOCs, chemical odors, and organic contaminants	3 – 5 years
3	Salt-Free TAC Conditioner	Template-Assisted Crystallization converts hardness minerals into harmless crystals that flow through without scaling surfaces	3 – 5 years

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

2.4 Technical Specifications

System Type	Salt-Free Conditioner + Carbon Filtration (Dual Tank)
Carbon Media	High-capacity activated carbon
Conditioning Technology	Template-Assisted Crystallization (TAC) — salt-free
Salt Required	None — sodium is never added to your water
Electricity Required	None
Wastewater Discharge	None — no regeneration cycle
Beneficial Minerals	Preserved — calcium and magnesium remain in water
Filter Media Life	Carbon and TAC media: 7-10 years
Pre-Filter Life	Sediment pre-filter: 3 – 6 months
Installation	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. Life Filtration 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 within specified limits.

Water Temperature

Cold water reduces system efficiency. System performs optimally within the rated temperature range.

TDS / Hardness

High TDS or hardness accelerates media wear. TAC conditioning is most effective below approximately 25 gpg.

Sediment Load

High turbidity clogs the sediment pre-filter quickly. Replace the pre-filter promptly to protect downstream media.

Usage Volume

Higher daily water consumption reduces media 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	Initial Flush	The system will perform an initial flush to clear any loose carbon fines from the filters. Duration: 5–10 minutes.
2	Pressure Stabilization	Allow 10–15 minutes for pressure to equalize throughout the system.
3	First Water Draw	Discard the first 1–2 gallons from each tap closest to the system.
4	Normal Operation	The system is now fully operational. No ongoing user action is required.

NOTE This system requires no electricity and no regeneration cycles. Once installed, it operates passively at all times — providing continuous conditioning and filtration with zero user intervention.

No Salt Required

Sodium is never added to your water supply

No Electricity

Operates entirely on water pressure — no power needed

No Wastewater

Zero drain discharge — nothing is wasted

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 Life Filtration 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
Replace sediment pre-filter	Every 3–6 months	Replace sooner if pressure drops noticeably
Carbon media performance test	Annually	Test for residual chlorine — indicator of media exhaustion
TAC media performance check	Annually	Assess scale formation on test surface
Carbon media replacement	Every 3–5 years	Per annual assessment findings
TAC conditioning media replacement	Every 3–5 years	Per annual assessment findings
Inspect all connections and fittings	Annually	Confirm no leaks at any joint
Annual water quality test	Annually	Chlorine, hardness, pH, and TDS measurement

4.3 Filter Replacement Procedure

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

Step	Task	Details
1	Sediment Pre-Filter (Customer or Installer)	The sediment pre-filter housing is accessible without tools. Contact Life Filtration for the correct replacement cartridge for your system.
2	Carbon and TAC Media (Life Filtration Installer only)	Carbon and TAC media replacement requires draining and opening the media tanks. Your Life PRO uses certified media matched to your system.
3	Shutdown for Media Service	Your Installer shuts off the water supply and engages bypass valves before opening any media tank.
4	Spent Media Extraction	Old carbon and TAC media is removed and properly disposed of by your Installer.
5	New Media Installation	Fresh Life Filtration certified media is loaded according to manufacturer specifications.
6	System Restart and Verification	Supply is restored and flow is verified. System is confirmed to be in full operating and scale-prevention performance.

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 Installer 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 BYPASS VALVE OPERATION

5.1 Bypass Valve Operation

BYPASS VALVE OPERATION

Figure 1

NORMAL OPERATION

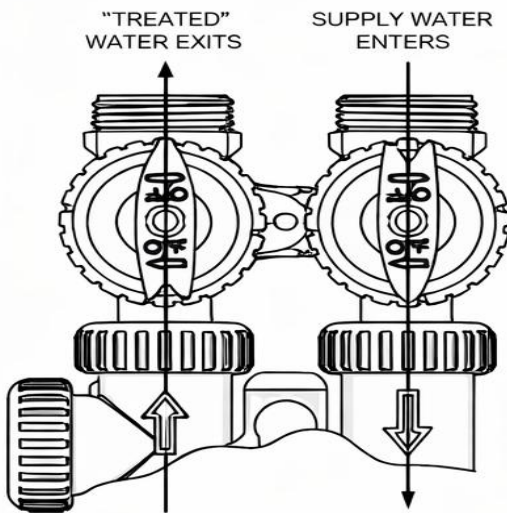


Figure 2

BYPASS OPERATION

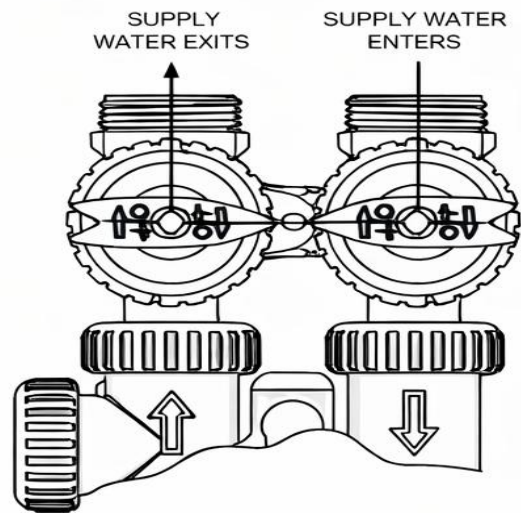


Figure 3

DIAGNOSTIC MODE

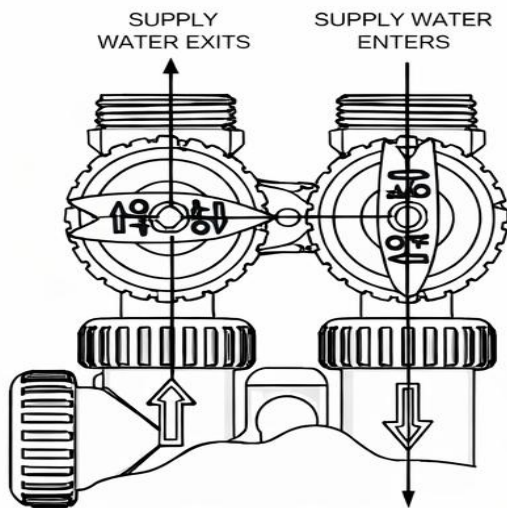
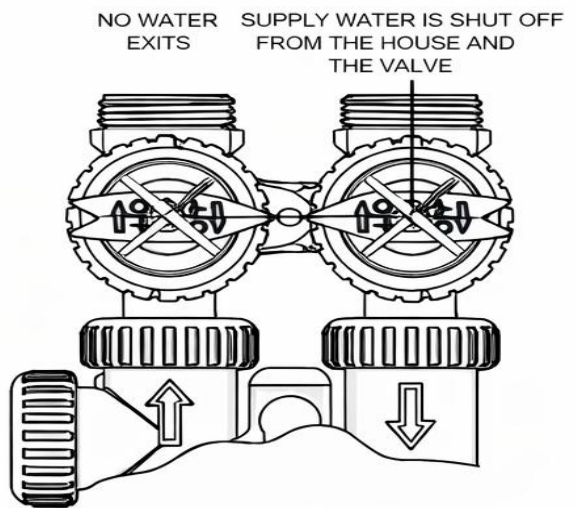


Figure 4

SHUT OFF MODE



PART SIX TROUBLESHOOTING*Diagnosing and resolving common issues***6.1 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
Chlorine taste or odor in water	Carbon media is exhausted	Contact Life Filtration immediately for a media assessment — do not wait for annual visit.
Scale deposits returning on fixtures	TAC media exhausted or bypassed	Contact Life Filtration. TAC media assessment needed.
Low pressure throughout home	Sediment pre-filter clogged	Replace sediment pre-filter. Pressure should restore within minutes.
Water has salty taste	Should not occur with salt-free system	Contact Life Filtration — may indicate cross-connection with another system.
System leaking	Loose fitting, damaged O-ring, or cracked housing	Shut off main water supply immediately. Contact Life Filtration.
Hard water test still shows minerals	Normal — TAC changes crystal structure, not TDS	This is expected behavior. TAC prevents scaling, not mineral removal.

6.2 Frequently Asked Questions**Q If this isn't a water softener, how does it prevent scale?**

A The TAC (Template-Assisted Crystallization) process converts calcium and magnesium ions into stable, microscopic crystals that remain suspended in the water and cannot adhere to pipe walls, heating elements, or fixtures as scale. The minerals are still in the water but in a harmless form.

Q Will my water test as 'hard' even with this system?

A Yes. Standard water hardness tests measure total dissolved calcium and magnesium. Since the TAC process doesn't remove these minerals, hardness test results will still be elevated. However, you will notice significantly reduced scale formation on your fixtures, shower glass, and appliances.

Q Is this suitable for very hard water (above 25 gpg)?

A TAC conditioning is most effective for water hardness below approximately 25 gpg. For extremely hard water, a traditional ion-exchange water softener may be more appropriate. Your Life Pro will test your water and recommend the best solution for your specific conditions.

Q Does this system add anything to the water?

A No. Unlike traditional water softeners, this system adds no sodium or chemicals to your water. Beneficial minerals like calcium and magnesium are preserved in their natural form.

Q How is this different from the Life Filtration Water Softener?

A The Water Softener (RS1) uses ion exchange to physically remove calcium and magnesium from water, replacing them with sodium. It requires salt, produces wastewater, and regenerates periodically. The Salt-Free Conditioner requires no salt, no electricity, and no regeneration — it conditions rather than removes hardness minerals, making it ideal for customers who prefer a maintenance-free, chemical-free approach.

PART SEVEN WARRANTY, SERVICE RECORD & CONTACT

7.1 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 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>

7.2 Your Included Service Plan

<p>✓ Free Professional Installation</p> <p>Certified technician installs everything at no charge</p>	<p>✓ Annual Maintenance Visits</p> <p>One scheduled visit per year to inspect and service your system</p>	<p>✓ Annual Water Testing</p> <p>On-site water quality testing at no cost, every year</p>	<p>✓ Unlimited Service Calls</p> <p>We come out as many times as needed — no fees, no limits</p>
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7.2 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.

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

LIFE FILTRATION

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