



HYDROLOGY WATER SOLUTIONS

OWNER'S WARRANTY, CARE & MAINTENANCE GUIDE

Premium Water Treatment. Professionally Maintained. Built to Perform.

Hydrology Water Solutions

Sign up for maintenance plan: hydrology-ws.com

Business Phone:

(480) 978-3459

(480) 440-2767

Emergency Phone:

602-560-4107

Email:

support@hydrologywaterstoreaz.com

hello@hydrologyaz.com

Manufacturing Warranty Info

Clack - <https://www.clackcorp.com/technical-support/>

Luminor - <https://www.luminoruv.com/support/product-warranty/>

Viqua - <https://viqua.com/sale-terms-conditions-warranty/>

Pentair - <https://www.pentair.com/assets/residential-filtration-warranty>

Installation - Refer back to your installation agreement.

WELCOME TO HYDROLOGY

Thank you for choosing **Hydrology Water Solutions**.

Your water treatment system has been professionally designed and configured specifically for the needs of your property, water conditions, household or facility demands, and treatment objectives.

Depending on your installation, your Hydrology system may include water softening, catalytic carbon filtration, sediment filtration, specialty filtration media, ultraviolet disinfection, reverse osmosis, remineralization, saltless conditioning, or other treatment technologies.

While individual system configurations vary, one principle remains the same:

Proper maintenance protects system performance, water quality, equipment longevity, and your investment.

This guide provides general information regarding the operation, maintenance, service, and warranty of Hydrology systems. Your specific equipment, maintenance requirements, and warranty coverage may vary based on the system purchased and should always be referenced alongside your original proposal, invoice, equipment documentation, and manufacturer warranty.

1. YOUR HYDROLOGY SYSTEM

Every Hydrology system is designed around the specific water treatment needs of the property.

Depending on your installation, your system may contain one or more of the following components:

Sediment Filtration

Sediment filtration helps capture suspended particles such as sand, rust, silt, dirt, and debris before they reach downstream treatment equipment.

Properly maintained sediment filtration can help protect valves, filtration media, plumbing fixtures, and other water-using equipment.

Filter micron ratings and replacement intervals vary depending on the application and incoming water quality.

Carbon Filtration

Carbon filtration may be used to reduce chlorine, taste, odor, and certain other compounds present in the incoming water supply.

Hydrology systems may utilize catalytic carbon or other specialized filtration media depending on the application.

Water Softening

Water softeners are designed to reduce hardness minerals such as calcium and magnesium through ion exchange.

Reducing hardness can help minimize scale accumulation throughout the plumbing system and on water-using fixtures and appliances.

Softening systems require proper salt levels, regeneration settings, and periodic professional inspection to maintain performance.

Saltless Water Conditioning

Certain Hydrology systems may utilize saltless conditioning technology to help manage mineral scale without traditional ion-exchange softening.

Maintenance requirements vary depending on the specific equipment and treatment media installed.

Specialty Filtration

Depending on water conditions, Hydrology may incorporate specialized treatment media designed for specific contaminants or water-quality concerns.

These systems may require periodic testing or media replacement to verify continued performance.

Ultraviolet Disinfection

Systems equipped with ultraviolet technology use UV light as part of the water-treatment process.

UV lamps lose effective output over time even when the lamp remains illuminated. For this reason, UV lamps should generally be replaced according to the manufacturer's recommended schedule.

Quartz sleeves should also be inspected and cleaned periodically to maintain proper UV transmission.

Reverse Osmosis

Hydrology reverse osmosis systems use membrane technology and multiple filtration stages to produce highly filtered drinking water.

Depending on the system, additional stages may include carbon filtration, remineralization, ultraviolet treatment, or specialty polishing filters.

Filter and membrane replacement intervals depend on water quality, water usage, system configuration, and operating conditions.

2. PROTECTING YOUR INVESTMENT

Your Hydrology system is designed for long-term performance, but like any premium mechanical and filtration system, it requires periodic maintenance.

Filters become loaded with contaminants. Treatment media ages. UV output declines. O-rings and seals should be inspected. System settings can change. Water conditions themselves can also change over time.

Preventive maintenance allows small issues to be identified before they become larger problems.

We Recommend the Hydrology Maintenance Plan

The easiest way to maintain your system is to allow Hydrology to manage it for you.

With a **Hydrology Maintenance Plan**, our team can help keep track of your recommended service intervals and professionally maintain your equipment based on the system installed in your property.

Depending on your plan and equipment, scheduled maintenance may include:

- System inspection
- Filter replacement
- Sediment filter replacement

- Carbon filter replacement
- RO filter service
- UV lamp replacement
- UV quartz sleeve inspection or cleaning
- Water softener inspection
- Salt and brine system inspection
- Valve and programming review
- Leak inspection
- Pressure and flow observations
- O-ring and seal inspection
- System sanitization when appropriate
- Water-quality testing when applicable
- Recommendations for upcoming maintenance or media replacement

Why Hydrology Maintenance?

Your system was designed to perform for years.

Our maintenance program is designed to help make sure it does.

Rather than remembering individual filter dates, replacement parts, lamp schedules, or service requirements, Hydrology can manage the maintenance cycle for you.

Professional maintenance can help:

- Maintain optimal system performance
- Protect expensive treatment equipment
- Reduce unexpected service issues
- Identify leaks or worn components early
- Maintain proper filtration and treatment
- Extend the useful life of system components

- Maintain accurate service records
- Save you the time of tracking individual maintenance schedules
- Ensure replacement components are appropriate for your equipment

Ask Hydrology about enrolling in a maintenance plan and available service-plan savings.

3. GENERAL MAINTENANCE SCHEDULE

Because Hydrology systems are individually designed, not every maintenance item below will apply to every installation.

Your actual service intervals may vary based on incoming water quality, household or facility usage, equipment type, system size, and manufacturer requirements.

Maintenance Item	Typical Interval	Notes
Visual system inspection	Monthly	Look for leaks, unusual noises, alarms, or visible changes
Sediment filter	Approximately 6–12 months	May require earlier replacement in high-sediment conditions
Carbon cartridge	Approximately 6–12 months	Varies by water quality and usage
RO pre/post filters	Approximately 12 months	Depends on system and water consumption
RO membrane	As needed, commonly 1–2 years	Determined by water quality, usage, and system performance
UV lamp	Approximately every 12 months	Follow equipment manufacturer specifications
UV quartz sleeve	Inspect annually	Clean or replace as required
Water softener	Inspect annually	Check programming, regeneration, salt system, and general operation
Saltless conditioner	Per manufacturer recommendation	Media life varies by system and water conditions
Specialty treatment media	As required	May require testing to determine replacement
System sanitization	Typically annually or as appropriate	Depends on equipment and application
Water-quality review	Annually or as needed	Recommended when water conditions or performance change

Comprehensive Hydrology service	Annually	Recommended for long-term system performance
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These intervals are general guidelines only. Your specific Hydrology system may require different service intervals.

4. SIMPLE OWNER CARE

Between professional service visits, we recommend periodically checking your equipment.

Once a Month

Take a quick look at your system and confirm:

- There are no visible leaks
- There are no unusual sounds
- Equipment displays are operating normally
- There are no warning lights or alarms
- Water pressure appears normal
- Salt levels are adequate if your system uses a brine tank
- The area surrounding the equipment is clean and accessible

If anything appears unusual, contact Hydrology.

5. WHEN TO CONTACT HYDROLOGY

Contact Hydrology if you notice:

- A significant change in water pressure
- A change in water taste, odor, appearance, or feel
- Visible leaking
- Unusual system noises
- A system alarm or warning light

- Excessive salt consumption
- A softener that does not appear to be regenerating properly
- Changes in RO production
- Water around the treatment equipment
- Damage to plumbing or filtration components
- A filter that has reached its recommended service interval
- A UV lamp that has reached its replacement interval
- Any sudden or unexplained change in system performance

If you are uncertain whether something requires service, contact Hydrology. We would rather help evaluate a concern early than have a small issue develop into a larger repair.

6. IMPORTANT SYSTEM CARE

Protect the Equipment

Water-treatment equipment should be protected from:

- Freezing temperatures
- Excessive heat (direct sunlight without proper protection or partial shade)
- Direct environmental exposure when equipment is not rated for it
- Physical impact
- Flooding
- Improper electrical connections
- Corrosive chemicals
- Unauthorized alterations to the plumbing or equipment

Environmental damage may not be covered under equipment or workmanship warranties.

Keep the Equipment Accessible

Maintain adequate access around the system so Hydrology technicians can inspect and service equipment safely.

Avoid permanently enclosing treatment equipment without providing appropriate service access.

Plumbing Changes

If plumbing modifications, remodeling, pool construction, irrigation changes, pressure changes, or other major plumbing work is performed after your Hydrology installation, contact us if the modification may affect the water-treatment system.

Changes to plumbing design, pressure, flow, or water source can affect system performance.

7. PROFESSIONAL SERVICE RECOMMENDED

Some routine observations can be performed by the homeowner, but Hydrology recommends that filter replacement, UV service, system sanitization, valve service, programming changes, media replacement, and other significant maintenance be performed by a qualified technician.

Improper service can result in:

- Leaks
- Damaged O-rings or housings
- Cross-threaded filter housings
- Improper valve settings
- Incorrect filter installation
- Bacterial contamination
- Equipment damage
- Reduced system performance
- Water damage to the property

Damage resulting from improper installation, unauthorized modification, misuse, neglect, or improperly performed maintenance may not be covered by the applicable warranty.

For the simplest ownership experience, enroll in a Hydrology Maintenance Plan and allow our team to handle the service for you.

8. FILTER & MEDIA REPLACEMENT

Filters and treatment media have finite service lives.

Replacement timing depends on factors including:

- Incoming water chemistry
- Sediment levels
- Chlorine or disinfectant levels
- Water hardness
- Household or facility consumption
- Flow rate
- System size
- Treatment objectives

A filter should not be considered effective indefinitely simply because water is still flowing through it.

Likewise, many treatment media require replacement or professional evaluation after a specified service life.

Hydrology can review your equipment and establish the appropriate maintenance schedule for your system.

9. UV SYSTEM CARE

This section applies only to systems equipped with ultraviolet treatment.

UV lamps gradually lose germicidal intensity over time even when they continue to produce visible light.

UV lamps should generally be replaced at the interval specified by the equipment manufacturer, commonly every 12 months.

During UV service, the quartz sleeve should also be inspected for scaling, cloudiness, damage, or mineral buildup.

Improper UV servicing can damage the lamp or quartz sleeve and may expose the technician or homeowner to UV radiation.

Hydrology recommends professional UV service.

Never look directly at an operating UV lamp or operate the system outside its properly assembled UV chamber.

10. WATER SOFTENER CARE

This section applies only to systems equipped with ion-exchange water softening.

Maintain an appropriate amount of approved water-softener salt in the brine tank.

Avoid continuously overfilling the brine tank. Salt should be monitored periodically and replenished as needed.

If you notice salt bridging, unusual water levels, excessive salt consumption, or a change in water softness, contact Hydrology.

During professional maintenance, Hydrology may review:

- Valve operation
- Programming
- Regeneration frequency
- Brine draw
- Salt usage
- Injector operation
- Resin performance
- Plumbing and bypass operation

11. REVERSE OSMOSIS CARE

This section applies only to properties equipped with reverse osmosis.

RO systems require periodic filter replacement to protect the membrane and maintain water quality.

Depending on the system, Hydrology may also evaluate:

- Membrane performance
- Storage tank pressure
- System production
- TDS reduction
- Leak protection
- Pump operation
- UV components
- Remineralization stages
- Sanitization requirements

If RO production noticeably decreases or water quality changes, contact Hydrology.

12. WATER CONDITIONS CAN CHANGE

A water-treatment system is designed based on known water conditions at the time of specification.

Municipal water chemistry, well-water conditions, plumbing conditions, property usage, and other factors may change over time.

For properties with wells or known water-quality concerns, periodic professional water testing may be recommended.

If you notice a significant change in your water, contact Hydrology so we can determine whether testing or system adjustments are appropriate.

13. WARRANTY INFORMATION

Hydrology stands behind the systems we install and the workmanship associated with our installations.

Warranty coverage varies depending on the equipment purchased, manufacturer, system configuration, installation agreement, and date of purchase.

Your specific warranty terms are contained in your Hydrology proposal, invoice, agreement, or applicable manufacturer documentation.

Warranty coverage may include separate terms for:

- Tanks
- Control valves
- Filter housings
- Pumps
- UV equipment
- RO equipment
- Electronic components
- Treatment media
- Plumbing components
- Hydrology workmanship

Consumable items and normal maintenance components are generally subject to replacement schedules and may not be considered warranty items.

Examples may include:

- Sediment cartridges
- Carbon cartridges
- RO filters
- RO membranes
- UV lamps
- Treatment media
- Salt
- O-rings and seals subject to normal wear

Manufacturer warranty terms apply where applicable.

Warranty Exclusions

Unless otherwise stated in your specific warranty documents, warranties generally do not cover damage resulting from circumstances such as:

- Freezing
- Excessive environmental heat
- Flooding or water intrusion from external sources
- Fire
- Electrical surges
- Improper electrical supply
- Misuse
- Neglect
- Unauthorized modification
- Improper maintenance
- Damage caused by third-party plumbing work
- Changes to incoming water conditions
- Excessive pressure outside equipment specifications
- Acts of nature
- Normal wear or consumable filter replacement

Always refer to your original Hydrology documentation for the specific warranty applicable to your equipment.

14. MAINTENANCE & WARRANTY

Routine maintenance is an important part of protecting the equipment and maintaining its intended performance.

A maintenance-plan enrollment does not replace or modify the written warranty applicable to your equipment unless specifically stated in your service agreement.

However, maintaining a professional service history can make it much easier to:

- Verify proper system care
- Identify developing issues
- Document filter and component replacements
- Maintain equipment according to manufacturer recommendations
- Keep an accurate history of system performance

This is another reason we strongly recommend allowing Hydrology to maintain your system.

15. THE HYDROLOGY MAINTENANCE PLAN

Water treatment should be something you enjoy, not something you have to manage.

With a Hydrology Maintenance Plan, we help take the guesswork out of owning a premium water-treatment system.

Instead of wondering:

When was my filter changed?

Does my UV lamp need replacement?

Is my system operating correctly?

When should my RO be serviced?

Is my softener programmed properly?

You have a team that already understands your equipment.

Your system deserves the same level of care that went into designing it.

Hydrology maintenance is designed to provide **convenience, consistency, professional oversight, and long-term confidence in your water system.**

Ask your Hydrology representative about current maintenance-plan options, included services, and available savings.

Call Hydrology:
(480) 978-3459
(480) 440-2767

16. SERVICE RECORD

We recommend maintaining a record of all service performed on your Hydrology system.

Date	Service Performed	Filters / Parts Replaced	Technician	Notes

BUILT FOR THE LONG TERM

Your Hydrology system is an investment in the water quality, comfort, and protection of your property.

We believe the relationship with our customers should continue long after installation day.

From routine maintenance and filter replacement to system testing, upgrades, and long-term service, **Hydrology is here to take care of your water system for years to come.**

Premium equipment deserves premium care.

**Let Hydrology maintain the system.
You simply enjoy the water.**

HYDROLOGY WATER SOLUTIONS

Better Water. Better Systems. Better Service.