ZENITH PURE SOLUTIONS

OWNER'S MANUAL

Zenith Lead Filtration

Whole-home lead reduction

Certified to NSF/ANSI 53 for lead and cyst reduction
City or well water



Zenith Pure Solutions

6951 E 30th St, Suite B, Indianapolis, IN 46219
(317) 690-4172 · info@zenithpuresolutions.com

KEEP THIS MANUAL
NEAR YOUR SYSTEM

01 Welcome

Thank you for choosing Zenith Pure Solutions. Your Zenith Lead Filtration system reduces lead and cysts in the water for your whole home, using a carbon block cartridge certified to NSF/ANSI 53.

Keep this manual near the system. Your installer records your system details on the last page. It explains what your system does, routine care, and what to do if something seems wrong.

Need help? Call us before you open the system.

Most questions are answered in one phone call, and work done by others can affect your warranty.

Zenith Pure Solutions

Phone	(317) 690-4172
Email	info@zenithpuresolutions.com
Website	zenithpuresolutions.com
Address	6951 E 30th St, Suite B Indianapolis, IN 46219
Hours	Monday to Friday, 9 am to 6 pm

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02 Important safety information

Your system works best, and stays under warranty, when it runs inside the limits below.

- **Cold water only.** The system is installed on the cold water supply. Never connect it to a hot water line.
- **Protect from freezing.** Keep the system indoors, upright, and protected from freezing.
- **Power.** The status cap runs on a plug-in adapter in a grounded, unswitched 115 V outlet, with 3 AAA backup batteries.
- **Grounding.** On metal plumbing, a grounding wire runs across the system to keep your home's plumbing grounded. Never remove it.
- **Do not open the tank.** The tank is under pressure. Cartridge changes are done by Zenith.
- **Keep the space above the tank clear** so the cartridge can be lifted out at service.

Operating conditions

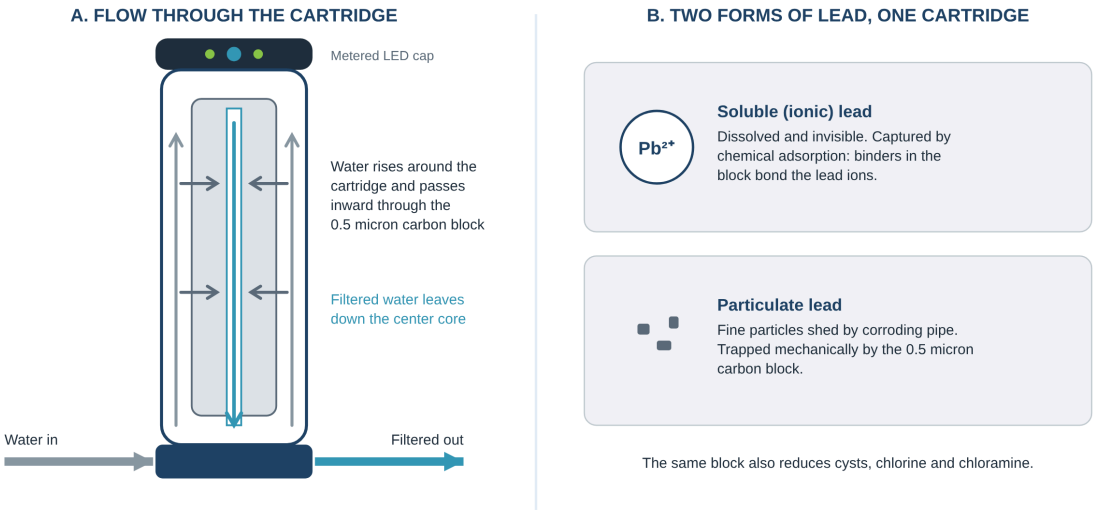
Condition	Limit
Water source	City or well water
Water pressure	20 to 125 psi
Water temperature	34 °F to 120 °F, cold water supply only
Peak flow	8 gpm
Power	Grounded, unswitched 115 V outlet; 3 AAA backup batteries

This system is not intended to be used to treat water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

03 How your system works

Lead reaches tap water in two forms, dissolved and as fine particles from corroding pipes and fittings. One carbon block cartridge reduces both.



A: water rises around the cartridge and passes inward through the carbon block. B: dissolved and particulate lead are reduced by one cartridge.

How it works

Water enters the base of the tank, rises around the cartridge and passes inward through the 0.5-micron carbon block, then leaves through the center to your home. Binders in the block capture dissolved lead. The fine 0.5-micron structure traps lead particles and cysts. The same block also reduces chlorine, chloramine, taste and odor.

Certified performance

This system has been tested for the reduction of the substances below. The concentration of each substance entering the system was reduced to at or below the maximum permissible concentration for water leaving the system, as set out in the named standard. Testing was performed under standard laboratory conditions; actual performance may vary.

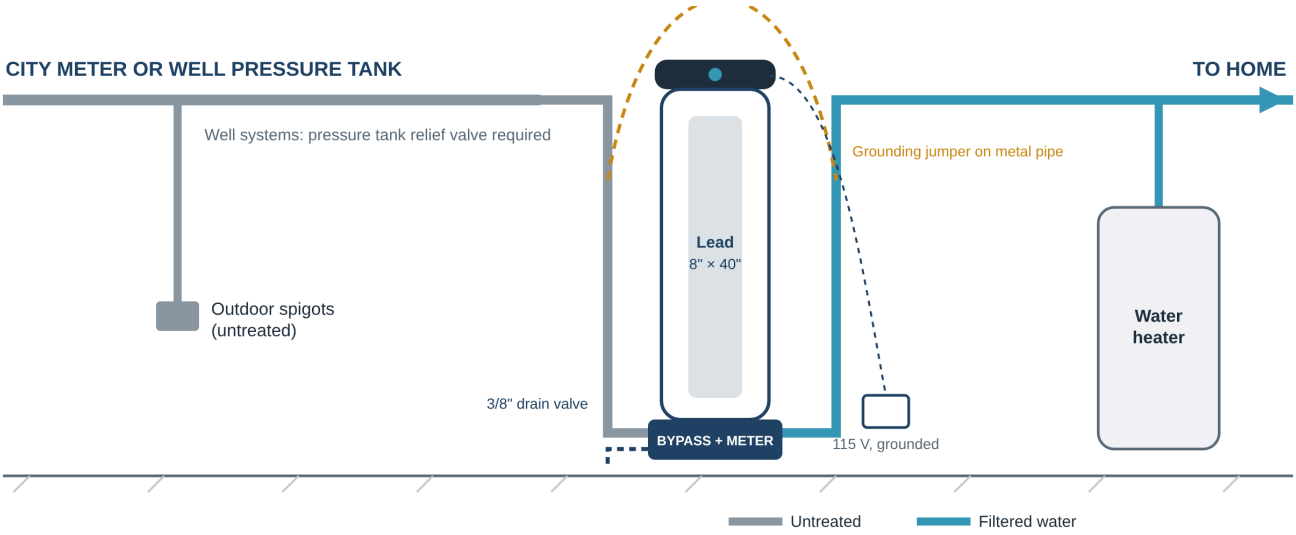
Substance	Influent challenge	Maximum permissible product water	Standard
Lead	0.15 mg/L ± 10%	0.010 mg/L	NSF/ANSI 53
Cysts	Minimum 50,000 per L	99.95% reduction	NSF/ANSI 53
PFOA/PFOS (combined)	1.5 µg/L ± 10%	0.07 µg/L	NSF/ANSI P473

Certified by IAPMO R&T to NSF/ANSI 53 (lead, cysts), NSF/ANSI P473 (PFOA/PFOS) and CSA B483.1. Rated cartridge capacity 100,000 gallons at 4.51 gpm. Chlorine and chloramine reduction are manufacturer data and not part of this certification.

The system does not treat hardness, iron, manganese, hydrogen sulfide, bacteria or viruses. Copper, cadmium, barium and mercury are not certified claims.

04 Your system at a glance

Your system is a single non-metallic cartridge tank with a bypass, a flow meter and a status cap that tells you when the cartridge is due.



Typical installation. After the water meter (city) or pressure tank (well); outdoor spigots stay on untreated water.

Part	What it does
Cartridge tank	8″ × 40″ non-metallic tank, about 21 lb. Certified to NSF/ANSI 44 and 61 for materials and structural integrity.
Carbon block cartridge	0.5-micron coconut shell carbon block that reduces lead and cysts.
Status cap	Metered cap with green, yellow and red lights showing cartridge life.
Flow meter	Counts the gallons treated, on the outlet side.
Bypass	Lets Zenith route water around the system for service.
Red relief button	Releases pressure from the tank during service. For Zenith use.
Drain valve	A small valve used to flush the tank during cartridge changes.

05 Specifications

One system for city or well water, sized for whole-home flow.

Specification	Zenith Lead Filtration
Tank size	8″ × 40″, about 21 lb
Cartridge	0.5-micron high-capacity carbon block
Peak flow	8 gpm
Pressure drop	9 psi at 4.51 gpm
Rated cartridge capacity	100,000 gallons at 4.51 gpm
Inlet and outlet	1″ MNPT
Electrical	Grounded, unswitched 115 V outlet; 3 AAA backup batteries
Cartridge change	Every 6 months (Zenith schedule)
Certification	NSF/ANSI 53 (lead, cysts), NSF/ANSI P473 (PFOA/PFOS), CSA B483.1, by IAPMO R&T. Tank: NSF/ANSI 44 and 61 by NSF International.

06 The status light

The status cap on top of the tank shows how much cartridge life is left. The lights flash while water is flowing.

Light	What it means	What to do
Green	Cartridge is good	Nothing.
Yellow	About 10% of cartridge life left	Call Zenith to schedule a cartridge change.
Red	Cartridge life reached	Call Zenith now. The cartridge needs changing.

The meter counts gallons and is set to the cartridge's rated 100,000 gallons. Zenith changes the cartridge every 6 months, which is usually well before the light turns yellow. Three AAA batteries keep the cap working during a power cut; Zenith replaces them at each yearly service.

07 Routine care and service

Zenith changes the cartridge every 6 months and services the system once a year.

Task	How often	Who
Cartridge change	Every 6 months, or sooner if the light turns yellow or red	Zenith
Yearly Zenith service: cartridge change if due, battery change, lead level check, system inspection	Every year	Zenith
Watch the status light	Whenever you pass the system	You

We send you a reminder 45 days before each cartridge change and 14 days before each service visit. The yearly Zenith service is required to keep your parts warranty.

After a cartridge change

Zenith flushes the system for at least 10 minutes and checks that the light flashes green. You can use your water as normal afterwards.

If you need to turn the system off

For a leak at the tank or fittings, close your home's main water shut-off valve and call Zenith. Do not open the tank or press the red relief button.

08 Troubleshooting

Anything marked **Call Zenith** needs a technician.

What you notice	Likely cause	What to do
Yellow light	About 10% of cartridge life left	**Call Zenith.** Schedule a cartridge change.
Red light	Cartridge life reached	**Call Zenith.** Change the cartridge now.
No lights when water runs	Adapter unplugged or outlet off, and backup batteries flat	Check the adapter is plugged into a working, unswitched outlet. If still dark, call Zenith.
Water pressure has dropped	Cartridge loaded with particles	**Call Zenith.** The cartridge may be due early.
Chlorine taste has returned	Cartridge near the end of its life	**Call Zenith.**
Leak at the top cap, fittings or meter	O-ring or joint	Close the main shut-off valve. **Call Zenith.**

09 Zenith limited warranty

1 yr

System parts 1 year · Labor 1 year

Parts under the manufacturer warranty; replacement cartridges 30 days. Labor when installed by Zenith.

What is covered

If a part of your system fails because of a defect in materials or workmanship during the warranty period, it will be repaired or replaced under the manufacturer warranty, with Zenith labor for the first year.

Keeping your warranty

Cover applies when Zenith installs the system and it is serviced to schedule. Ongoing maintenance and a yearly Zenith service are required to keep the parts warranty.

If you sell your home

The warranty transfers at the original address only, for the remaining term, with written notice to Zenith within 30 days of the sale. Labor coverage transfers only if the new owner takes a Zenith maintenance plan. The warranty does not follow a system that is moved to another address.

What is not covered

- Damage from freezing, fire, flood, lightning or other acts of nature.
- Misuse, neglect, accidents, or operating outside the limits in this manual.
- Repairs, moves, changes or parts by anyone other than Zenith.
- Commercial or other non-residential use.
- Cartridges after their 30-day warranty, batteries, and routine maintenance.
- Damage from overtightening or tools used on the plastic fittings.

Making a claim

Call Zenith at (317) 690-4172 or email info@zenithpuresolutions.com as soon as you notice a problem. Have your name, address, installation date and system details ready (see *Your system record*).

This is a plain-language summary. The full Limited Warranty terms are in your quote and invoice.

10 Your system and service record

Your system record

Your installer fills this in on installation day. Have it ready when you call us.

Item	Your system
Model	Zenith Lead Filtration, 8″ × 40″ cartridge system
Installation date	
Installed by	
City or well water	
Meter reading at installation	
Next cartridge change due	

Service log

Keep a record of every service visit and media or cartridge change. It helps our technicians and supports any warranty claim.

Date	Service performed	Next cartridge due	Technician
	Installation and start-up		

ZENITH
PURE SOLUTIONS

We are here when you need us.

Service, salt delivery, care plans and free in-home water testing across the Indianapolis area.

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