

Drink, Cook, and Bathe in Fluoride-free Water!

Fluoride exposure comes from more than just drinking water. When consumed daily through beverages and food cooked in fluoridated water, fluoride can build up in the body over time and has been linked to dental fluorosis, bone concerns, and thyroid disruption in sensitive individuals. Cooking concentrates fluoride as water evaporates, while bathing and showering can add exposure through skin contact and inhalation of steam. Reducing fluoride at the source reduces overall exposure and supports cleaner water throughout the whole home.

A Natural Solution for Fluoride Removal:

Bone Char Media



**Add to
Any Whole
House
System!**

Bone Char is a natural, carbon-rich filtration media. A highly porous material composed primarily of calcium phosphate and activated carbon, which gives **Bone Char** its unique ability to attract and bind fluoride ions.

Fluoride has a strong chemical affinity for calcium, it naturally adheres to the surface of **Bone Char** as water passes through the media. **The result is effective, long-lasting fluoride reduction** without adding chemicals or altering the taste of your water—making Bone Char one of the **most trusted and proven methods for fluoride removal** in residential water treatment systems.

You've already invested in treating your water—don't stop short.

Adding Bone Char fluoride removal ensures the water your family drinks, cooks with, and bathes in is as clean and natural as possible. It's a small addition that delivers peace of mind every day.

**Fluoride Free is
the way to be!**



AQUA OTTER
WATER SYSTEMS

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Fluoride Reduction Efficiency:

Typically 85–95% fluoride reduction under proper flow rate and contact time

Target Contaminant:

Fluoride (F^- ions)

Removal Mechanism:

Adsorption via calcium phosphate bonding (high affinity between fluoride and calcium)

Media Type:

Natural Bone Char (carbonized calcium phosphate)

System Placement:

Post-filtration stage or dedicated Big Blue cartridge within a whole-house system

Effective pH Range:

Optimal performance between pH 5.5 – 7.5

Flow Rate (Typical Residential):

Designed for controlled flow to ensure adequate contact time

Taste & Odor Impact:

No adverse taste or odor added to water

Chemical Additives:

None – passive, natural filtration media

Compatibility:

Works alongside softeners, carbon filtration, AIO systems, and whole-house RO Pre-treatment

Maintenance & Longevity

Media Life Expectancy:

Typically 6–12 months, depending on:

- Household water usage
- Amount
- Flow rate

Replacement Method:

Media replacement or cartridge change (no regeneration chemicals required)