



The bubbles that form when 120-volt AC wires are placed in water are primarily the result of electrolysis (splitting water into hydrogen and oxygen gas) combined with resistive heating (boiling the water instantly around the wires). [Reddit · r/che... +1](#)

Because standard household 120V power uses Alternating Current (AC), the positive (hot) and negative (neutral) wires rapidly alternate. This means bubbles form on both wires, with the specific gas changing based on the wire's polarity at that exact millisecond. [Allen.In](#)

Yes, distilled water can interact with charcoal filters. Because distilled water is aggressively pure and "hungry" for minerals, it dissolves and pulls trace minerals out of its environment. When it passes through an activated charcoal filter, the water can leach residual mineral ash from the charcoal. [Reddit +3](#)

- On the Negative half-cycle (the wire acts as a cathode): The current splits the water to release hydrogen gas.



- **Re-releasing Contaminants:** Activated charcoal works by trapping impurities (like chlorine, VOCs, and heavy metals) in its microscopic pores. Once the filter reaches its capacity, it cannot hold any more. If left in the pitcher or faucet too long, it can begin to "dump" or leach the previously trapped contaminants back into your water. [Reddit +3](#)

- On the Positive half-cycle (the wire acts as an anode): The current splits the water to release oxygen gas. [Brainly.in](#)

**Safety Warning:** This is an extremely dangerous setup. Submerging 120V household wires in a glass of water causes a direct short circuit, posing a severe risk of electrocution, exploding the glass, or starting a fire.

Steam distilled water pumped continuously through charcoal filters will not dissolve the charcoal, but it will physically erode the media. Because distilled water is aggressively pure and chemically unsaturated, it acts as a powerful solvent that will strip ions from container surfaces and absorb atmospheric gases until it reaches equilibrium. [Mayu Water +3](#)

Charcoal itself is non-toxic, so small amounts of harmless black dust leaching into your water is generally safe to drink. However, as the filter absorbs contaminants, old filters can actually release trapped pollutants back into the water, and neglecting to replace them can result in bacterial growth. [Reddit +4](#)

- **Bacterial Growth:** The moist environment inside a used water filter is a breeding ground for bacteria. If a filter is used past its recommended lifespan, bacteria can multiply and contaminate your drinking water, potentially causing nausea or diarrhea. [Filtersmart +3](#)

- **Free Hydrogen:** To get free molecular hydrogen for health purposes, the bound hydrogen and oxygen must be split apart through a process called electrolysis. Under natural, atmospheric conditions, standard distilled water holds a negligible amount of free hydrogen gas (usually less than 2 mg/L or 2 PPM). [Hydrogen on... +3](#)

### How the Water "Absorbs"

Even though distilled water can't dissolve solid carbon, it will rapidly absorb the following:

- **Atmospheric Gases:** If the system is exposed to air, the ultra-pure water will quickly absorb carbon dioxide, lowering its pH and making it slightly acidic. [Project Nayuki +4](#)
- **Container Materials:** Over time, the water will leach micro-elements from the storage tanks, plastic tubing, or pump components.

- **The Rule:** If you need absolutely pure water for lab work or sensitive equipment (like CPAP machines), do not use a post-distillation carbon filter. Only use it for taste if the water is for drinking. [Amazon.com +1](#)



- **The Cause:** Charcoal (carbon) is washed to remove dust, but it naturally contains trace ash and minerals. When ultra-pure, demineralized water (like steam-distilled water) passes through it, this pure water actively strips and absorbs those trace minerals. This can alter the water's taste, increase its Total Dissolved Solids (TDS), and release fine, black carbon dust (causing the "erosion" effect) into your container. [FilterWay +4](#)

- 1) I have made steam distilled water since 1985, the last year I had a doctor. Our Children and their Children raised on clean water! (Strong, Healthy, Disease free).
- 2) Dirty Water #1 cause premature death, all humans die from Advanced Scurvy due to rock mineral accumulation!
- 3) All water filters are dirty day 1 and insure all water passing through is contaminated. Dr. Hulda Clark was our friend that researched why people die. Dr. John R. Christopher (my 1<sup>st</sup> herb teacher) set in on 1,500 autopsies and said ground water #1 reason for death.
- 4) Medical using steam distilled water by 1850.
- 5) I worked at Detroit Aluminum & Brass 30 years we had to clean the dirty city water so our plating systems could work. People die because of their dirty water more than all else. MH108

**50% The Body Physical:** Diet. Habits, Sunlight, Exercise, Cleanses, Germ/Chem Warfare daily antidotes, Parasites, avoiding the deficient diet, Raise Super Babies that are never sick, etc.

**50% The Body Electric:** LifeWave has that covered!

**What kills humans:** Dirty Water, Dental Disaster, Germ / Chem Warfare, Deficient diets, Lymes and all Parasites! Parasites of result of a sick body.

All babies born after 1992 are said to have no thyroid by age 40 as a result of adding Titanium Dioxide to all air, junk foods, soaps, lotions, shampoos, vitamins, drugs, etc. Germ & Chem Warfare after 1948 to date intends on all humans to die by age 40.

You are not old, you are not sick, you are in Fact: Poisoned!

Moses discovered the greatest Antidote! I suggest all humans / mammals master that antidote!

I suggest all humans deworm daily and understand how to never be constipated ever and save their colon health for life.

MH108