

## 14-Stage Overview

### The Radiant Life Biocompatible Water System

Our system "polishes" and purifies your water by eliminating the amount of rust and sediment, odors and chlorine, lead, bacteria, and volatile organic compounds (VOCs) including pesticides like linden and herbicides like atrazine. Our water purifier in your home will provide you with great tasting water for drinking, cooking, and making beverages such as coffee, tea, and juices.

From physics, we know that everything is in vibration. Every material reacts on certain frequencies, more or less strongly. Ideal vibrations create impulses, which, under defined circumstances, start a chain reaction (of vibrations) with increasing force. Water is changeable; it is able to absorb, transfer and release information in its structure. Therefore, even after physical purification, water still often carries unhealthy electromagnetic frequencies from poisonous substances that have been removed by the first three purifiers and sterilizer. In the last stages of water purification, our Radiant Life Biocompatible Water System will erase unwanted frequencies, and reprogram the water to copy that of nature.

#### STAGE 1 – Five Micron Pre-Filter

Throughout the first filtration stage, tap or well water passes through a 5 micron sediment filter where silt, sediment and particles (like sand and clay) are removed.

#### STAGE 2 – Internal Coconut Shell Carbon Filter

In the second stage, water is forced through a high efficiency coconut shell carbon filter where a specialized carbon efficiently absorbs chlorine, chloramines, pesticides, radon, bad tastes & odors, and other harmful organic chemicals and pollutants. This pre-filtered water is now cleaned of membrane-damaging particles and chemicals. Stages 1 and 2 protect the RO (reverse osmosis) membrane from harmful damage.

#### STAGE 3 & 4 - Reverse Osmosis Membrane (Purifier #1)

For most areas of the world, RO (reverse osmosis) is the only reasonable option for water treatment. It is a continuous self-cleaning ultra-filtration system. Our RO membrane removes up to 99% of undesirable water contaminants and total dissolved solids allowing only the clean water to pass. Only the highest quality RO membranes have been individually tested and selected for our Radiant Life Biocompatible Water System. These membranes come with a 4 year pro-rated warranty with an expected 7 year life. Lower quality membranes can remove up to 95% when new but weaken quickly over time, requiring replacement annually. What occurs here is the pre-filtered water passes through a thin film reverse osmosis membrane module where pure water molecules are separated, leaving salts, hardness, bacteria, viruses, pyrogens and other impurities isolated and available for flushing from the system. Reverse

osmosis successfully treats water with dissolved minerals and metals such as aluminum, arsenic, barium, cadmium, chloride, chromium, copper, fluoride, iron, lead, magnesium, manganese, mercury, nitrate, selenium, silver, sulfate, and zinc. RO is also effective with asbestos, many taste, color and odor-producing chemicals, particulates, total dissolved solids, turbidity, and radium.

#### STAGE 4 & 5 – Mixed Bed De-ionization (Purifiers #2 and #3)

Deionization is a method used most often by laboratories to produce purified water on demand. Our system incorporates consecutive Deionization purifiers. All naturally occurring water contains dissolved mineral salts. In solution, salts separate into positively charged cations and negatively charged anions. Deionization can reduce the amounts of these ions to very low levels (up to a 90% removal for each purifier) of the remaining 1% left from reverse osmosis), through the process of ion exchange. Cations are removed by cation exchange resin. It replaces sodium, calcium, magnesium, and other cations with hydrogen ions (H<sup>+</sup>). Two general types of anion resins are used for deionization: weak base resin and strong base resin. Weak base resin absorbs strong acids, while strong base resin exchanges chloride, sulfate and alkaline anions for hydroxide ions (OH<sup>-</sup>). The hydrogen ions from the cation exchange process combine with the hydroxide ions anion exchange process to form water (HOH or H<sub>2</sub>O). In a mixed bed deionizer, cation and anion resins are thoroughly mixed in a single cartridge. The mixed resins act like a series of alternating cation and anion exchange cartridges to produce very high quality water.

#### STAGE 6 – Holding Tank

After the cleaned water goes through the R.O. membrane and the two Deionization purifiers, it then passes into an under-the-counter 5-gallon pressurized storage tank. This tank usually fills in about 2 hours. Water capacity is approximately 3 gallons. The purified water is safely enclosed within a butyl rubber bladder with air pressure surrounding the bladder and occupying the remaining volume within the tank.

#### STAGE 7 – Stainless Steel Ultraviolet Light

Ultraviolet (UV) Lamps disinfect water for residential and commercial applications. UV light disinfection systems will protect you from harmful bacteria (e-Coli), virus, and parasitic cysts (cryptosporidium and giardia-lambia - beaver fever) that have been found in drinking water. Chlorination of municipal water is not sufficient to kill cysts. Many communities and private homes draw surface water from lakes, streams, reservoirs, or wells that are open to pollution from natural, agricultural and industrial sources. Ultraviolet lamps create light at a wavelength of 254 NM; this wavelength penetrates the micro organisms found in water and damages the DNA of the bacteria and virus to prevent replication rendering the organism inactive (all bacteria, virus, molds, algae, and yeast). The UV light is placed after the storage tank to kill any and all organisms that could possible grow if the water remained stagnant in the storage tank. The Radiant Life Biocompatible Water System pre-filters the water before it reaches the UV system. The reduction levels are 99.99% in properly

maintained systems. The UV unit does not add any chemicals or by-products to the water. The UV unit uses 25 to 65 watts of power, the same as a light bulb and rated for 1 year of continuous use. It plugs into a standard wall outlet.

With the Radiant Life Biocompatible Water System, cleaning of calcium and iron deposit from the UV lamp is not required. Calcium and iron do not build up on the UV lamp because of the triple purification prior to reaching the lamp. The UV light is resistant to damage by brownouts and voltage fluctuations. It will withstand a range of 90 - 265 volts and still operate properly. The unit has an alarm and red light to warn of failure though the overall system will continue to purify water even through a power failure.

#### **STAGE 8 & 9 – Homeopathic Restructuring** *Erasing Memory & Molecule Coherence*

One of the most intriguing properties of water is "memory," or the ability to contain information about a substance even though that substance may no longer be physically present. This characteristic of water is what underlies the 150+ year-old esteemed science of homeopathy. Our restructuring process erases the memory of electrical fields, physical toxins, and other residues of the human world, and gently infuses the natural and beneficial informational fields of the natural world using naturally occurring far-infrared minerals. Our research suggests that clearing water's previous discordant energetic memory is an essential step in creating water that is nourishing and similar to the best water from nature. A triangular shape magnet is held within a steel casing. Each side of the triangle is a 12,000 Gauss NdFeB (Neodymium Iron Boron) magnet. At the center point of the triangle where the magnetic energy surrounds the water as it flows through this section, there is a 36,000 Gauss magnetic field that has an effect of erasing the frequency memory on the passing water. This field influences the ions within the water to enhance ion exchange that improves the oxygen utilization of the water. Water molecules are usually random, or disorganized. This strong field also makes the water molecules coherent or more organized. Most importantly is its ability to erase unwanted frequencies.

#### **STAGE 10 – REPROGRAMMING** *Adding Natural Mineral Properties*

After the water flows through a powerful magnetic field erasing the frequency memory of the water, the water passes over special mineral rocks (74 minerals) built within the Radiant Life Biocompatible Water System. The water with no memory is now programmed with the new frequencies of 74 minerals. These mineral formations occur naturally, and we are effectively boosting the process so that the restructuring occurs in 18 inches of travel by the water, rather than over miles of river rocks on Earth. It is the frequencies of these minerals (that are programmed into the water) that make the change, and not the mineral themselves.

#### **STAGE 11 – REPROGRAMMING** *Adding Natural Earth Properties*

Far-infrared energy, sometimes called "the wavelength of life", causes the water molecules in the body to vibrate. When the water flow is channeled through

natural far-infrared honeycomb shaped ceramic materials, the water is imprinted with these far-infrared frequencies.

**STAGE 12 – REPROGRAMMING** *Natural Flow Form, Surface Tension Lowered*

When the water flows moves through the ceramic far-infrared balls (also containing minerals) it creates an "S" shape configuration (pattern) that mimics and energizes the water (like free flow form water). The surface tension is reduced, improving the biological permeability and hydration properties.

**STAGE 13 – Coconut Shell Carbon Post-Filtration**

Helps to reduce particles and prevent possible damage to watertight seals in faucets and appliances, therefore cutting down on maintenance costs. The coconut shell post carbon filter uses a granular activated coconut carbon with hundreds of square feet of absorption area, which helps to polish and improve the taste and odor.

**STAGE 14 - Alka-Min** *(Alkalizing, Ionic Re-mineralization)*

Calcium and Magnesium are now added to the water to balance the water. The effect of these special minerals is to help balance the pH and energize the water, giving it more electrons.

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The Radiant Life Biocompatible Water System combines a number of simple and highly sophisticated technologies, along with precision filters to remove impurities. Some individual stages remove contaminants more effectively than most conventional filters. Other components of the system energize and re-mineralize the water to provide sparkling clear, 100% pure and great-tasting water. One of the basics of good health is a daily intake of clean water. It's simple. It's convenient. And it can have a major impact. Now it's possible to have a source of water that is chemically and energetically ready to support your health, right in your home. Quality housings, filters, and durable mounting frames ensure years of dependable service. Installation by a professional plumber is not necessary. Depending on your household needs, look at our whole house carefree chlorine removal system.

**QUESTION and ANSWERS**

*Q. Is it ok to use a water softener with the Radiant Life Biocompatible Water System?*

A. Yes, water softeners will reduce build up and scaling to extend the life of your water heater, water pipes, fixtures and appliances. Using a water softener (good potable water) in combination with the Radiant Life Biocompatible Water System will

extend the life of the RO membrane.

*Q. If you have hard water and no water softener can you still use the Radiant Life Biocompatible Water System?*

A. It is preferred that you use a water softener. Hard water is more than a nuisance. It is costly too. It contains heavy amounts of calcium, magnesium, and iron, which build up inside your water heater, water pipes, fixtures and appliances. The Radiant Life Biocompatible Water System provides the highest quality RO membrane in order to provide the best (rejection) quality of water for the longest period of time. Hard water will shorten the life of the membrane and therefore might require more frequent membrane replacement.

*Q. I use a water distiller, and the taste of the water is flat and heavy. What does the water taste like from the Radiant Life Biocompatible Water System?*

A. With the Radiant Life Biocompatible Water System, the taste is like natural spring water, with a nice light mineral taste that refreshes your thirst. Your water's natural mineral properties are restored and surface tension is improved, and biological availability, as well as increased hydration of your body is enhanced. Everything you use water for will taste better.

*Q. How does The Radiant Life Biocompatible Water System compare to buying bottled water for drinking?*

A. No heavy bottles to lift, no trips to the store, and no monthly billing required. All bottled water, even the best, is inconvenient. Tests indicate that most bottled water may be of low quality and often does not even meet the same standards as tap water. Bottled water is more costly than the water prepared with The Radiant Life Biocompatible Water System. When the quality and performance is combined, it is the most cost-effective and convenient method of getting pure, great-tasting water.

To learn more about The Radiant Life Biocompatible Water System, please contact:

**Radiant Life Company**

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