

# VIVOS CLEANSTREAM

## World's Only Radioactive Water Purification System

**Vivos Cleanstream** – is the ultimate water purification system for current and future pure water needs. Combining a series of filtration stages, at a measure rate, the **Vivos Cleanstream** will remove virtually all harmful contaminants from your plumbed water source, in your home, or underground bunker.

Radioactive particles are now infiltrating our fresh water sources as a result of the ongoing Fukushima radiation disaster, to uranium mining, and even unknown natural and manmade origins. Following any nuclear event, storage accident, or even WW3, radium and uranium, along with poisonous heavy metal ions may contaminate most water reservoirs, and underground water aquifers. Within days to months of human consumption serious and even irreversible deadly health conditions can occur.



**200 Gallon Per Day Production Capacity**

## HOW IT WORKS

### Stage One

#### **1 UM Sediment Filter**

Capacity 3,000 - 10,000 gallons

This filter specializes in the removal of all sediment particles. As water passes through a well or city water pipes, it picks up different particulates like rust, clay particles, small pieces of organic matter, sand grains, etc. These are collectively known as sediments. Although sediments usually don't interfere with the taste of your tap water, they do affect its aspect and may shield microorganisms from the effects of UV light. Sediment solids also have a detrimental effect on the performance of your kitchen appliances or other household equipment. Water that is high in sediments can also interfere with the performance of multi-stage water filters like reverse osmosis filters or decrease the efficiency of UV water filters. This filter works as a sieving device that "traps" suspended solids found in water, providing a barrier that removes large particulate matter that would clog and prolong the life of the RO membrane by a considerable margin.

### Stage Two

#### **Medical Grade Activated Carbon Filter**

Capacity 3,000 - 10,000 gallons

Activated carbon cleans through adsorption. Carbon has a natural affinity for organic pollutants like Benzene to bind to its surface. If you "activate" carbon—by steaming it at 1,800 degrees, it forms little pores and pockets that increase its surface area. It's said that a teaspoon of activated carbon has the area of a football field. Pesticides, Chloroform, and other contaminants slide into the holes of this honeycomb and bind to the activated carbon at a molecular level almost magnetically. The quality of carbon used makes a huge difference in performance. We only use the highest quality medical grade carbon.

### Stage Three

#### **Reverse Osmosis Membrane**

Capacity 3,000 - 10,000 gallons

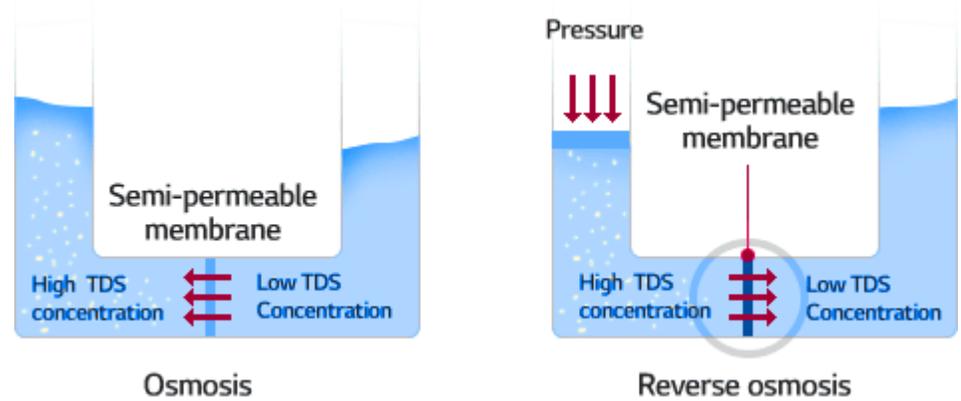
Reverse Osmosis is a process in which pressure greater than the natural osmotic pressure is applied on the high concentration side of the membrane, forcing the water to travel through the membrane from the higher TDS to lower TDS chamber, thus 'reversing' the natural tendency of water flow. The end process is some of the purest drinking water available.

#### Stage Four

##### **Nuclear Grade Anion Resin Filter**

Capacity 3,000 - 10,000 gallons

Anion resin removes radioactive particles via ion exchange. Anion resin can easily reduce uranium levels by over 90%. A mixed bed of cation and anion resins is utilized to remove both radium and uranium. These ion-exchange resins remove poisonous (e.g. copper) and heavy metal (e.g. lead or cadmium) ions from solution, replacing them with more innocuous ions, such as sodium and potassium. This filter resin is then discarded when it can no longer be used.



##### **Booster Pump**

The booster pump allows for consistent water pressure for optimum output, while the battery backup provides for power source redundancy.

##### **Replacement Filters**

Each filter's flow capacity is subject to the amount of contamination in the water source. Filters should be replaced when they have reached their functional capacity.

**Complete System Price: \$1,299**



*Vivos Cleanstream assures safe, reliable, clean and refreshing drinking water, regardless of the potential contamination.*

#### **The Vivos Group**

[cleanstream@terravivos.com](mailto:cleanstream@terravivos.com)

[Terravivos.com](http://Terravivos.com)