

How to choose the right reverse osmosis filters

The reverse osmosis system was originally developed for industrial use in printing and photo processing but because of the need for clean water, systems have been adapted for domestic use. Finding the right reverse osmosis filter system for cleaner water at home is important if you understand that there are more than 2000 toxic chemicals in our drinking water.

A reverse osmosis system is a water filtration system that uses high pressure to force water through a semi-permeable membrane in order to remove minerals, chemicals and toxins. Finding the right reverse osmosis system for cleaner water at home will require you to look at the effectiveness of each system.

It is important to understand that the concentration of toxins, water pressure and quality of membrane used to design a filtration system. There are generally two types of membranes used in reverse osmosis - the cellulose triacetate (CTA) membrane and the FTC membrane - each with their own functions. While CTA membranes are organic and more cost effective, they tend to attract bacteria growth and sometimes may generate a smaller volume of water with a lower quality.

The system that uses FTC membranes are made from inorganic materials and unlike the CTA membrane systems, are not susceptible to the growth of bacteria. These systems, unfortunately, are more expensive and may require an additional carbon pre-filter attachment to prevent chlorine in the water from damaging the membranes in this type of reverse osmosis system.

When going about finding the right reverse osmosis filter for cleaner water at home, you will find that there are two main types of systems - one with a tank and the other, tankless. Systems that use tanks typically consist of an internal plastic bladder that keeps the purified water before it is dispensed. Systems that are tankless have the ability to dispense their 'clean water' directly to taps instead.

Systems that don't require tanks tend to be more compact and take up less space as they don't require space to store their purified water. Unfortunately, this type of reverse osmosis system is more costly to purchase as well as maintain. In addition, they require a pressure of 40PSI in order to be effective. This might mean that you may have to purchase an additional pressure pump to be fitted to your water system.

If you're looking to finding the right reverse osmosis filter for cleaner water at home, you should also be aware of the disadvantages that accompany a water system. Apart from these systems costing a hefty amount and the purified water also expensively produced, the main drawback from using reverse osmosis is its removal almost all minerals from water, even trace minerals. As a result, supplements must also be taken to counteract the lack of vital minerals like calcium, magnesium and potassium found in normal drinking water.

If you've worked out your budget and are willing to spend the time and money in finding the right reverse osmosis filter for cleaner water at home, then installing and maintaining such a system may be a good answer to drinking cleaner water. Bear in mind, however, that there are many other water filters that are cheaper and more apt to serving your domestic needs.

Look for a mid-range reverse osmosis filter as most of them can give you quality at a reasonable rate. Taking your time to choose a system if you want clean water at home, you must find the right reverse osmosis system that not only suits your budget but can also give you what you want. Remember, an investment may be worth it if you want safe drinking water in the long run.

About the Author

We have a variety of information on reverse osmosis and [reverse osmosis systems](#) that will be valuable and useful if you are looking to invest in a purification unit that can provide you with quality drinking water.

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