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So, you have always hated the idea of wasting water unnecessarily. Do you know an RO system, during the purification process, recovers only 5 to 15 percent of the water entering it? What about the rest of the water? Well, it gets discharged as waste water. But benefits of using an RO system are many; benefits subdue this disadvantage. The waste water carries with it the rejected micro organisms, dissolved particles, and new age contaminants; even if you recover it, it is not practical. Few people use it to meet other chores such as watering gardens and fields, etc.

When we speak about RO system companies, it is Eureka Forbes that flashes in the mind of one and all. Such is the rapport of the company. And it is after years of continuous exploration, evaluation, and implementation of ideas that Eureka Forbes has developed purification technologies to the usersâ€™ advantage. Every Eureka Forbes RO system is certified by several global certification bodies for quality and effectiveness in purification. Millions of mothers bank upon Eureka Forbes purifiers for health and happiness. It wonâ€™t be an exaggeration to say that the Eureka Forbes RO system is a â€˜Paani ka Doctorâ€™ in the true sense of the term.

Here is a list of AquaGuard Eureka Forbes RO Purifiers:

â€¢ AquaGuard Total ENHANCE

â€¢ AquaGuard Total Reviva

â€¢ AquaGuard Total Protec+

â€¢ AquaGuard Total Atom.

What is the purification process in a Eureka Forbes RO system? As you put on the switch, the purification process starts. To start with, water pressure from the tap forces water molecules through the 0.0001 micron semi permeable RO membrane. Before it passes through the membrane it passes through pre-carbon filter so as to enhance the life of the membrane. At least four extra filter cartridges purify the water until it flows from the faucet. Total dissolved solids including salt content, micro organisms, and new age tough contaminants are ridden of. You will always find 100 percent safe and pure water flowing from the faucet.

In an RO system, it is the RO membrane that is the most vital component. Two common types of household RO membranes are generally used; these are Cellulose Triacetate (CTA) membrane and Thin Film Composite (TFC or TFM). Eureka Forbes RO system makes use of TFC spiral membrane. Long sheets of the membrane (TFC - Thin Film Composite) are properly slotted in together and rolled up around a hollow central tube in a spiral fashion. The bigger the purifier and bigger the storage capacity, bigger in size will be the membrane.

The key differences between CTA and TFC spiral membrane are on chlorine tolerance and filtration ability. Both have their plus and minus points. While TFC rejects 98 percent of standard contaminants, is not chlorine tolerant, and less susceptible to membrane fouling, CTA membrane rejects 93 percent of the contaminants, is chlorine tolerant, and more susceptible to fouling from bacteria. This is why you will always find a Eureka Forbes RO system with carbon pre treatment.

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