



What is Osmosis?

It is the natural tendency for water molecules to pass through a semi-permeable membrane, from the side high in dissolved impurities to the side low in dissolved impurities. .

How does Reverse Osmosis work?

Reverse osmosis, or RO, is a water treatment process in which water passes through a semi-permeable membrane. Reverse osmosis is known for producing great-tasting pure water and being highly effective for contaminant removal.

The reverse osmosis process uses a semi-permeable membrane to separate water from contaminants. "Semi-permeable" means that some things like water can pass through, while impurities are trapped in the membrane.

The RO membrane has holes that are just big enough for the passage of a water molecule. Even small particles such as sediment and precipitated iron are too big to flow through an RO membrane. At this point, because the membrane only lets certain molecules pass through, there is some waste. The waste, a concentrated solution of contaminants, is sent to the drain. You are left with virtually contaminant-free, clean water that makes it through the membrane. This is called a permeate stream, or as we like to say, great-tasting filtered water.

The water your business uses has a major impact on your guests' experience and is probably not as clean and tasty as it could be. Every year, we learn more about what is in our water and how these contaminants affect our health.

REVERSE OSMOSIS

