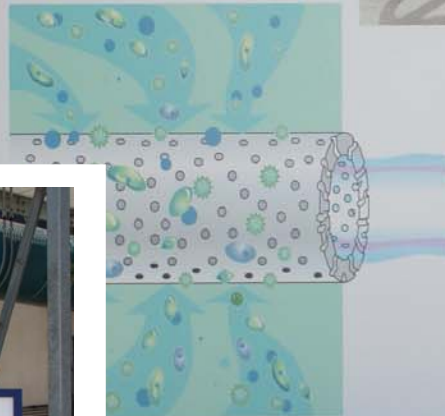


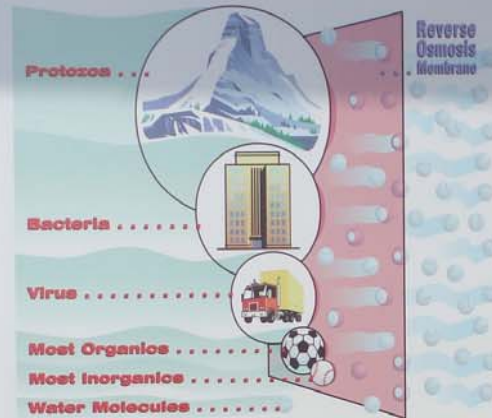
Microfiltration (MF)



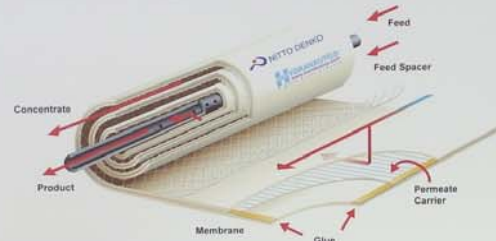
- MF is the first major step in the purification process for seawater barrier water
- MF removes bacteria, protozoa and suspended solids
- Water is pulled through holes (1/300th size of human hair) in the sides of "straw-like" MF membranes
- MF is a proven technology that has been used since the 1940's to purify baby food, fruit juices and other beverages, and to sterilize medicines that cannot be heated



Reverse Osmosis (RO)



- RO is the second major step in the water purification process
- RO is the heart of the purification process
- RO removes dissolved minerals, viruses, pharmaceuticals and other organic compounds
- Water is forced through the molecular structure of the RO membrane
- RO is the same technology used by many bottled water companies, in home filtration devices and to purify ocean water



Ultraviolet Light (UV) and Hydrogen Peroxide



- UV is the final step in the purification process
- Hydrogen peroxide is added to the water before exposure to high intensity UV light which creates an advanced oxidation process
- UV light with hydrogen peroxide provides a multiple barrier against low molecular weight organic compounds and possible unknown contaminants
- The result is ultra-pure water that is similar to distilled water

