

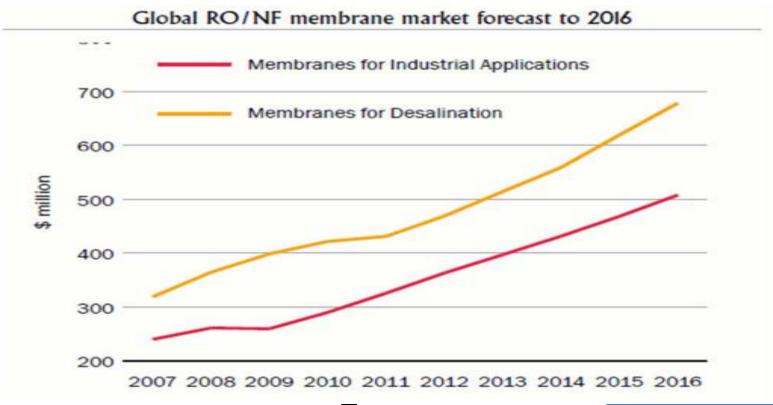
Jaffer Alali

Desalination mainly by MSF &/or RO

The world's water consumption rate is doubling every 20 years.

It is projected that by the year 2025 water demand will exceed supply by 56%

The supply of fresh water is on the decrease. Water demand for food, industry and people is on the rise.

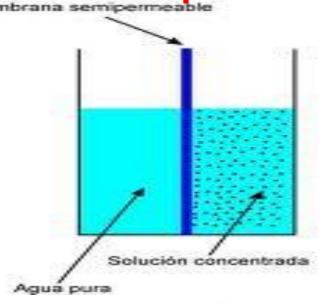


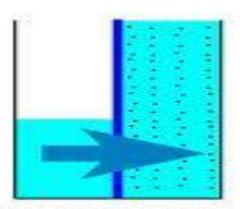
market

With higher population and growing industries, there is a high demand for water treatment, specially in salty water desalination.

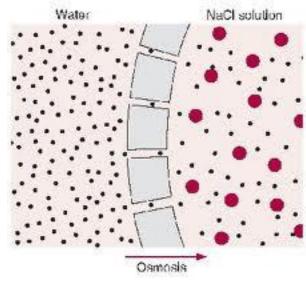
What is osmosis?

• What is osmotic pressure? pi = mRT

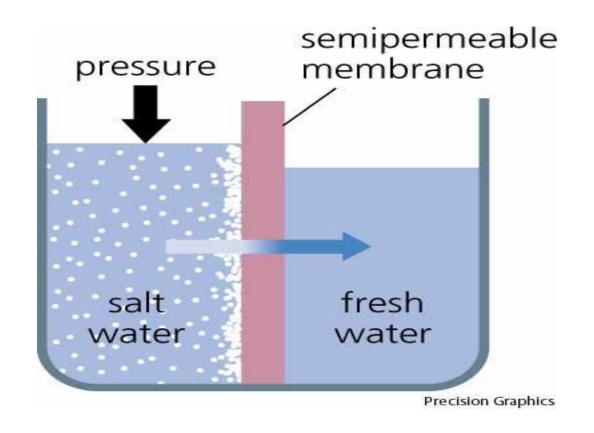


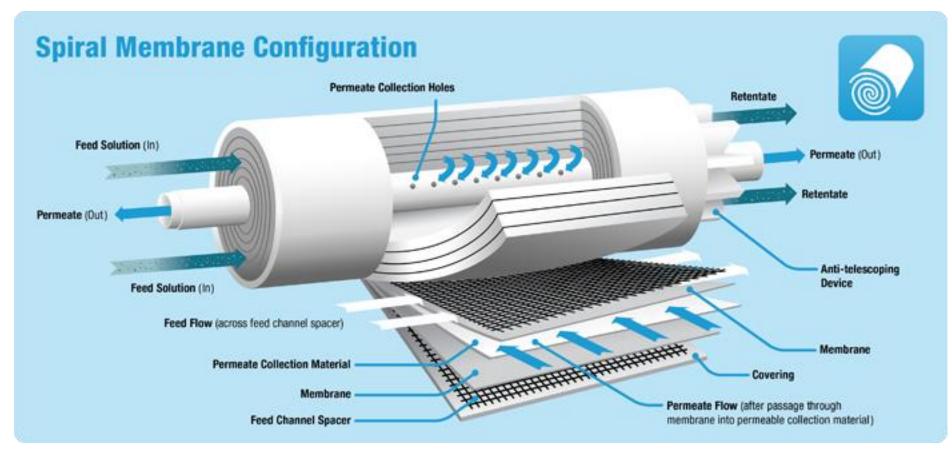


El agua se difunde a través de la membrana hasta que la presión de la solución impide el movimiento



- What is Reverse Osmosis?
- Pressure needed for seawater.





hallenges

- 1. Cost
- 2. Chemical use/disposal
- 3. Membrane deterioration
- 4. Environmental impacts

