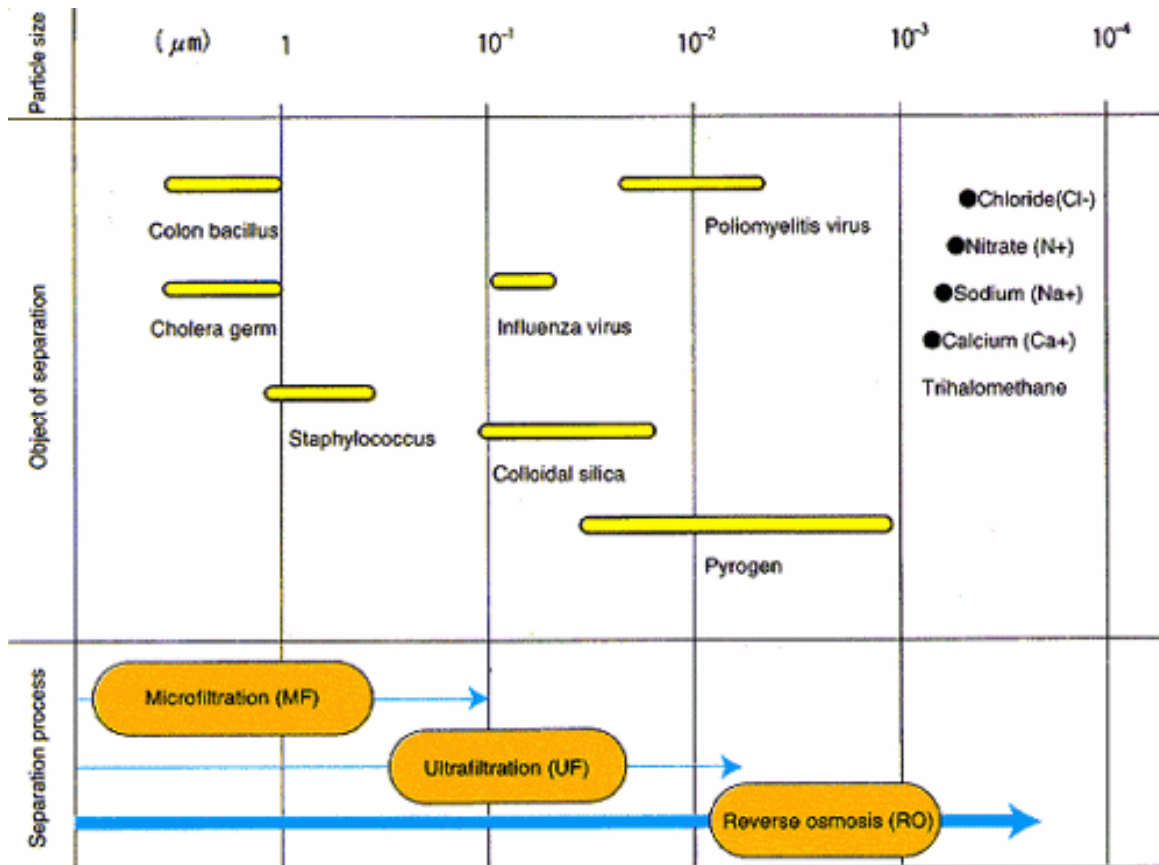


CON-SERV MFG Membrane Separation Technologies

Membrane separation processes currently in use include Reverse Osmosis (RO), Ultrafiltration (UF) and Microfiltration (MF). Reverse Osmosis is capable of separating even ions and organic substances, which are the smallest solutes in aqueous solutions.



A Water Analysis would be necessary prior to defining the appropriate membrane separation solution to the project. Feed water sources vary and the effect of different components of the feed source generally require pretreatment equipment prior to utilizing this technology. Typically Iron, Hardness, Temp, Ph, Sediments, Turbidity and other water problems will require addition equipment to be installed upstream of this equipment. Type of equipment required varies by project. A target water quality will also have an impact on the final design. Depending on the application, it may be possible to reduce operating and capital costs, while delivering the Quality required.