

## Membrane systems



Filtration is a mechanical process that separates solids from liquid. Numerous methods can be relied upon, depending on the application and the particles size. Filtration is differentiated from screening which is typically an open channel process. Ion India can recommend the best process for your custom application, including among others gravity filtration, Media filtration and ultrafiltration, or a combination thereof

Ultra-filtration used in further process of waste water treatment into domestic purpose like cleaning and washing Etc.,

Ultrafiltration can be used for the removal of particulates and macromolecules from raw water to produce potable water. It has been used to either replace existing secondary (coagulation, flocculation, sedimentation) and tertiary filtration (sand filtration and chlorination) systems employed in water treatment plants or as standalone systems in isolated regions with growing populations.

Industries such as chemical and pharmaceutical manufacturing, food and beverage processing, and waste water treatment, employ ultrafiltration in order to recycle flow or add value to later products. Blood dialysis also utilizes ultrafiltration.

In some countries used it's for Potable purpose after the treated effluent into Reverse osmosis process.