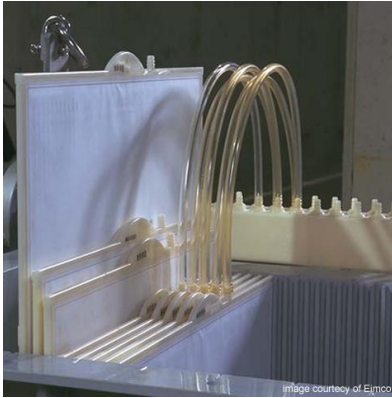


# MEMBRANE BIOREACTOR - MBR



A MBR is a process variation of Conventional Activated Sludge process. In MBR, secondary clarifiers and granular media filtration are replaced by membrane filtration to separate MLSS from the secondary effluent. This process produces the highest quality discharge without requiring any addition or generation of chemicals that are hazardous to the environment.

## TYPES OF MEMBRANE



FLAT SHEET



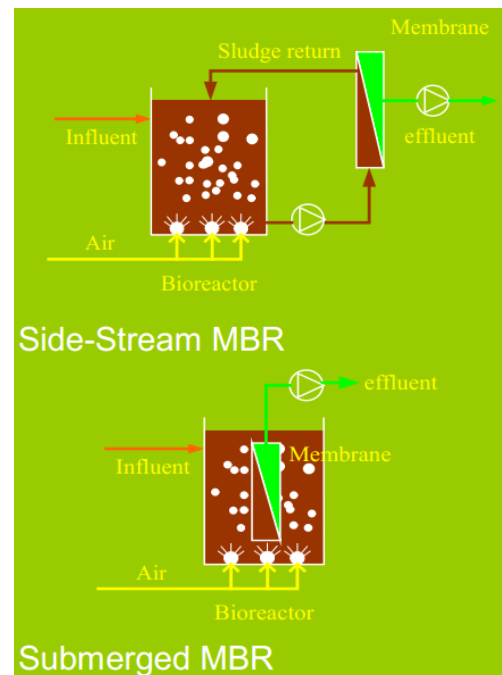
HOLLOW FIBER



MULTITUBE

## APPLICATION

- Municipal wastewater (retrofitting/expansion of existing plant, wastewater reuse)
- Industrial wastewater (pulp & paper, food and beverages, tanneries, chemical, oil & gas, pharmaceutical)



## ADVANTAGES

- Small footprint.
- No settlement problems.
- No further polishing required for disinfection/filtration.
- Advanced nutrient removal.
- Higher MLSS concentration.
- Add-on to existing biological process.