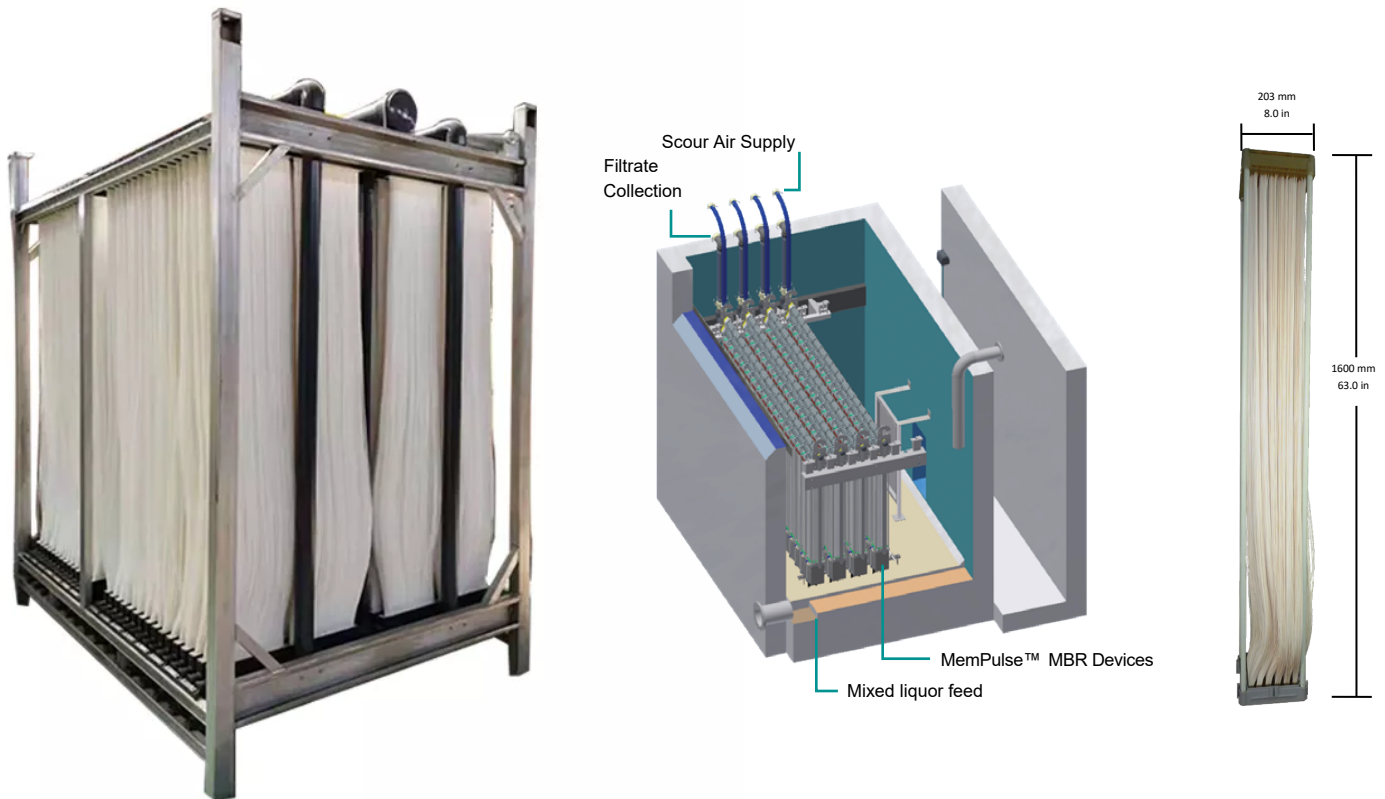


MBR Membrane



Description:

- A membrane bioreactor (MBR) membrane is a key component in wastewater treatment. It's a specialized filter used in MBR systems, which combine a biological treatment process with membrane filtration. The membrane acts as a barrier, separating treated water from the activated sludge, which contains microorganisms that break down pollutants. This results in a high-quality effluent and allows for a smaller footprint compared to conventional treatment methods.

At Water Technology BD Ltd., we specialize in designing and implementing state-of-the-art MBR solutions, tailored to your specific industrial challenges, ensuring sustainable water management and helping you achieve your environmental goals.

How MBR Membranes Work:

• *Filtration:*

The membrane acts as a filter, retaining solids (like bacteria and undissolved particles) while allowing treated water to pass through.

• *Types of Membranes:*

MBRs commonly use either hollow fiber or flat sheet membranes, often made of materials like PVDF.

• *Pore Size:*

Membrane pore sizes are typically in the range of 0.03 to 0.5 microns, effectively removing suspended solids, bacteria, and some viruses.