

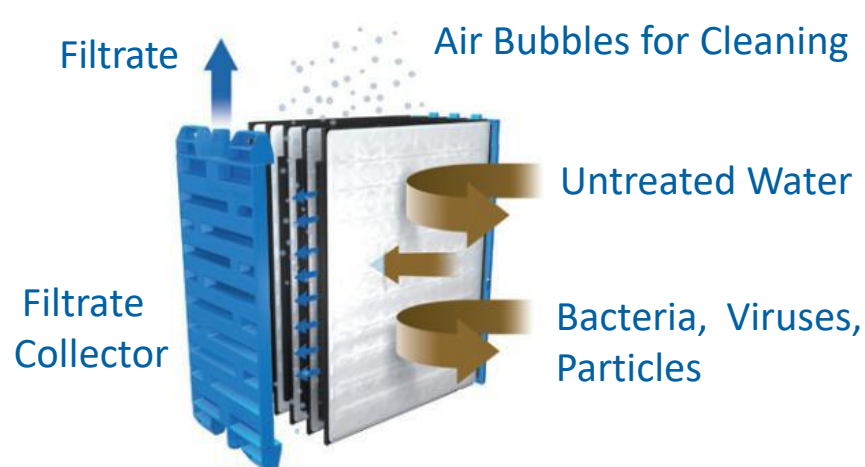
MicroClear® MB-Series Filter Cassette



	MB2-1	MB2-2	MB3-1
Dimension L x W x H (cm)	140 x 76 x 129	140 x 129 x 129	140 x 76 x 178
Surface area (m ²)	80	160	120
Possible Flow (m ³ /day) ¹	25 – 50	50 – 100	37 – 75

1) The range for possible flow depends on the flux rate, influent quality, temperature and/or process conditions. Above table list flow at fluxes of 15 – 30 l/m².h
Designs and specifications are subject to change without notice

How it works: MicroClear® MCXL2 Filter Modules

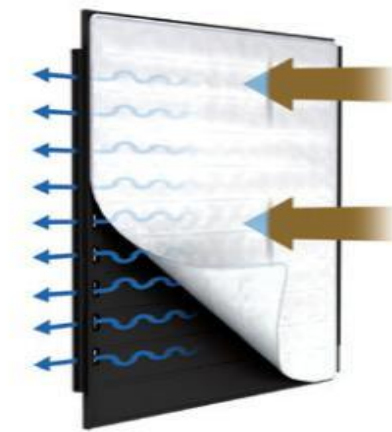


Submerged Membrane Technology for MBR with the features:

- Robust polypropylene plates with welded PVDF membranes on both sides
- Maximum retention of solids and bacteria
- Designed without the need for adhesives or seals

Uniform Pressure Distribution

- Patented design with multiple filtrate outlets
- Uniform pressure distribution over the entire surface of the membrane
- Formation of partial surface layers is prevented



Oxyflex® diffusers for optimum air scouring

- High cross-flow velocities are achieved
- Reduced air requirement
- Optimized bubble size enhances cleaning performance
- High-quality and robust EPDM membrane for air diffusers

Removable Backplate

- Backplate for plate stabilizing
- Easy to disassemble and put back together
- Smart cleaning of each single flat sheet

Polypropylene backplate



True Back Flush Capability

- Consistent, precisely defined spacing of the individual plates
- Extremely uniform distribution of flow and cleaning process
- MicroClear® filter can be completely back flushed

Cleaning without Chemicals

- Carefully defined bubble size cleans the membrane surfaces
- Simultaneous addition of oxygen into the activated sludge is ensured
- The need for chemical cleaning is kept to an absolute minimum
- Hydrophilic membrane material



Effective air scouring due to optimized bubble sizes for the plate distance