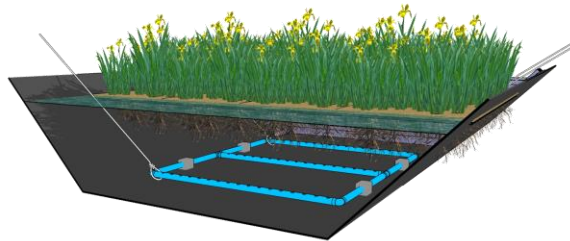


Floating Wetlands



Floating wetlands are surface flow wetlands, where a support matrix with floating plants is placed in suspension above the water surface. Floating wetlands work by encouraging settling and biological processing of suspended sediments, particulate and dissolved nutrients and pollutants and also by directing the water through the suspended root mass. In this case it is important to maintain a consistent horizontal flow in the system, avoiding short circuits. The hydraulic retention time (HRT) is one of the most important parameters, sufficient retention time is required for sediment settling and microbiological action.

KEY POINTS:

- May be operated to treat pre-treated wastewater or secondary treated wastewater
- Nature Based Solution (NbS)
- Helophyte plant sieves growing on a floating structure
- Sludge management
- Simple operation
- Low maintenance

MAIN FEATURES

- ✓ Vertical baffles to avoid preferential paths
- ✓ High L/W ratio to promote piston flow, pruning and maintenance work.
- ✓ Aeration with extractable diffusers for improved performance (N-removal).
- ✓ Very low energy consumption
- ✓ Footprint: > 2 m²/PE.
- ✓ Maintenance of mechanical elements (blower).