

# AQQA<sup>®</sup> membranes

## better water for less

flat sheet plates for membrane bio reactors  
waste water and surface water applications

Benefit	Improvement
Up to 3 times higher output per membrane surface area.	More pores per square inch. Highly hydrophilic PES membrane manufactured in Germany. Free permeate flow thanks to unrestricted flow channels for the permeate.
Less acquisition cost.	Higher output allows less membrane modules and smaller systems with less footprint.
Less maintenance cost.	The plates are fully backflushable, allowing effective cleaning without removing the membranes from the tank. Thousands of dimples hold the membrane in place and enable high backflush pressures. Single plates can be exchanged.
Less operating cost.	The plates are rigid and have a constant spacing of 6 mm. This provides optimum shearing forces on the membrane leading to a maximum cleaning efficiency and lowest energy consumption. The membranes cannot touch each other.
Less pretreatment cost.	Thanks to the constant spacing of 6 mm, the system is not vulnerable to hairs and fibers.
Less replacement cost.	Robust construction with solid PP plate and dimples that hold the membrane in place during relaxation. The membrane cannot flutter, eliminating the risk of wear.
Higher bacteria rejection.	Bacteria rejection 6 log or 99,9999%.
Extended warranty.	2 years full plus 3 years pro-rated.