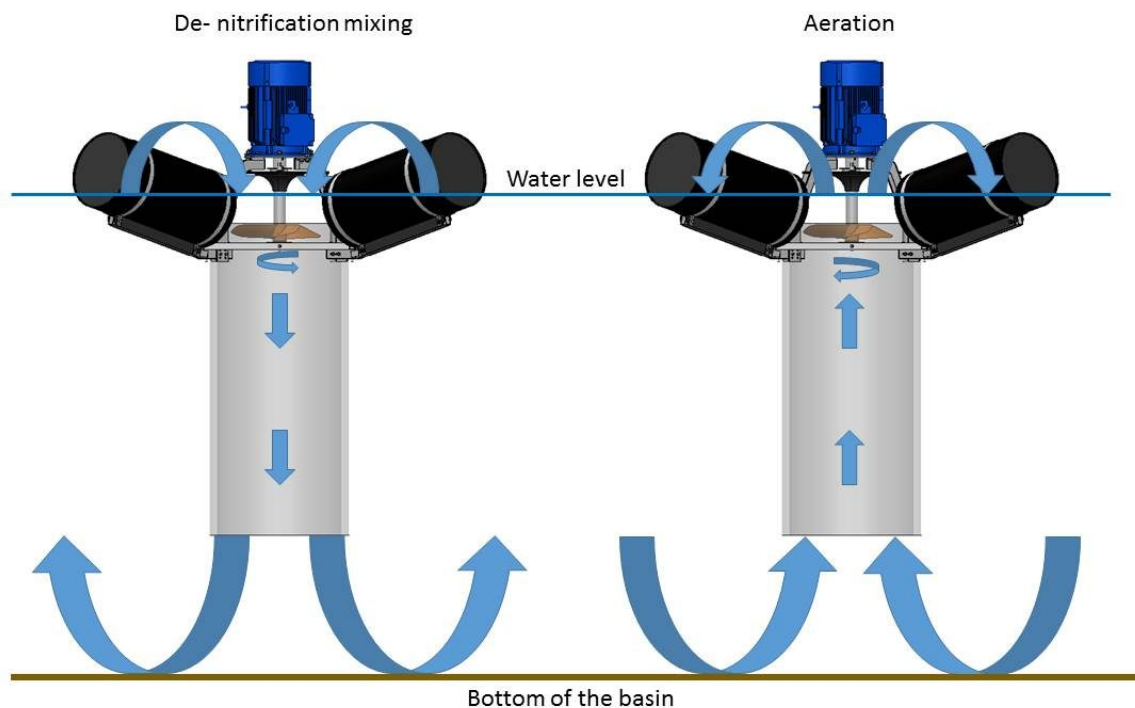


DENIT-combination devices

In Waterix DENIT combination devices is combined effective aeration of AIRIT®-aerator and MIXIT® mixer's mixing features. For example in the denitrification / nitrification process in wastewater, aeration (nitrification) and mixing (denitrification) can be done with one device, the savings in investments and in maintenance can be significant.



Applications

Sequential denitrification mixing and aeration of industrial and municipal wastewater with a single unit.

Low initial investment

Since infrastructure need is minimal, DENIT Combination Device has economical purchasing price. DENIT Combination Device also combines two historically separate units and therefore lowers the purchase costs.

Adjustable mixing and aerating speed

DENIT Combination Device comes with a frequency converter which enables correct aeration or mixing speed/thrust and optimized energy consumption.

Low maintenance requirements

Since in many installations there is more than one unit in the process basin, the maintenance can be done without interrupting the process. The total investment will be lower, since there is no need of doubling the line capacity just for the maintenance

purposes. There are no parts in the system that would require regular maintenance or replacement; therefore the maintenance requirement is very low.

Easy and fast to install

Waterix DENIT Combination Device is very compact and no need for extensive infrastructure and therefore it is easy and fast to install.

Compare products					
		DENIT 400A	DENIT 800A	DENIT 1600A	DENIT 2100A
Oxygen transfer rate	kgO2/h	7.0	15.0	31.0	42.0
Motor	kW	5.5	11	22	30
Thrust in mixing mode	N	320	640	1280	1680
Weight with floats	kg	160	400	560	600
The results have ±15% accuracy					

