

## Waterix DENIT 1600



Waterix DENIT combination devices are an optimal device where the municipal or industrial wastewater mixing and aeration is needed to alternate. When the water flows from bottom to surface the DENIT aerates and mixes the water. As soon as the impeller rotation direction is changed and water starts to flow from surface to bottom, the aeration stops and unit acts only as a powerful mixer.

DENIT combination devices A-models are optimized for aerating and M-models for mixing.

## BENEFITS

- Same unit can do both aeration and denitrification mixing
- No need for complex infrastructure
- Savings in investment
- Minimal maintenance
- Easy and fast to install
- Adjustable speed in mixing and aeration

## Product specifications

### A-model

- **Motor** 22 kW
- **Oxygen transfer rate** 22 kgO<sub>2</sub>/h
- **Thrust in mixing mode** 1280 N
- **Weight with floats** 560 kg

### M-model

- **Motor** 22 kW
- **Oxygen transfer rate** 26 kgO<sub>2</sub>/h
- **Thrust in mixing mode** 1600 N
- **Weight with floats** 560 kg



Waterix DENIT combination devices are usually delivered with floats. Therefore, the device is easy to handle and install without emptying the basin.

DENIT devices are equipped with a frequency converter, wherein the aeration and mixing power can be adjusted continuously and thus achieve an optimal flow and energy consumption.