



A range of **surface aerators** designed for wastewater treatment. Two key words are **AERATION** and **MIXING** to ensure the most efficient ratio dissolved oxygen/energy consumption.



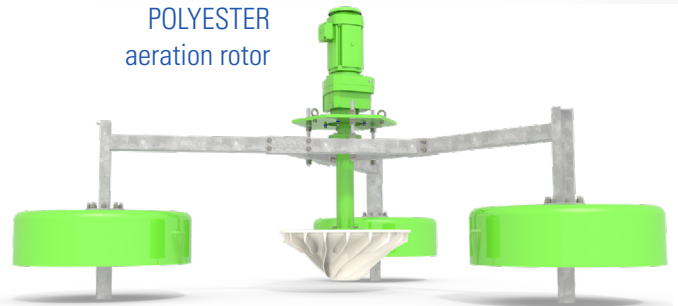
ADVANTAGES

- Self-standing structure stabilised by cables
- Suitable for all types of aeration tank without footbridge
- Unsinkable floats made of resin polyester
- **STAINLESS STEEL** or **POLYESTER** aeration rotor
- Robust system = low maintenance
- Rotor open blades type to get rid of fibers and rags clogging
- Wide range of power from 1,1 to 75 kW
- Efficiency of 1,7 to 2,5 kgO₂/kWh depending on model and installation conditions

STAINLESS STEEL
aeration rotor



POLYESTER
aeration rotor



AQUAPROD0120D-PR00-A-EN





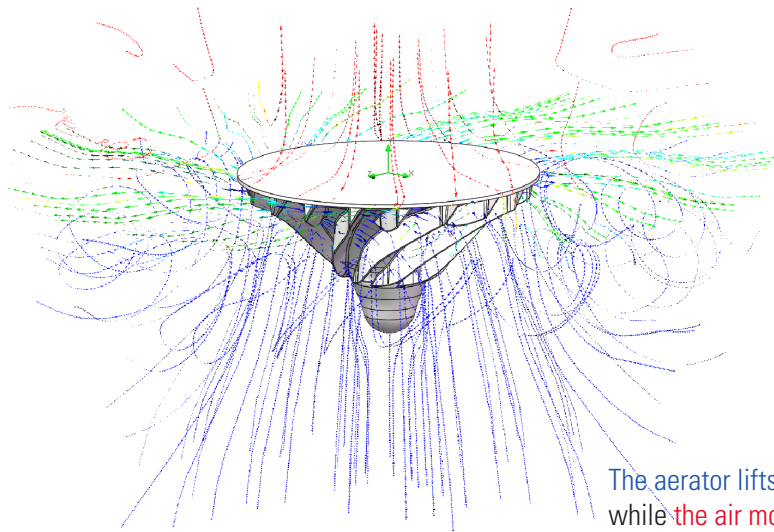
OPERATING PRINCIPLE

Wastewater aeration systems must perform two functions simultaneously:

- **dissolve oxygen** required for effluent treatment,
- **optimal mixing of the effluent** to keep solid particles in suspension and ensure good homogenisation of the environment.

The driven rotor agitates the water in the aeration tank and transfers oxygen using air-water contact by means of a spray on the surface of the aeration tank: the aerator lifts the water, creating a vacuum while the oxygen sinks back down. The layout and shape of the floats ensure optimum stability and buoyancy.

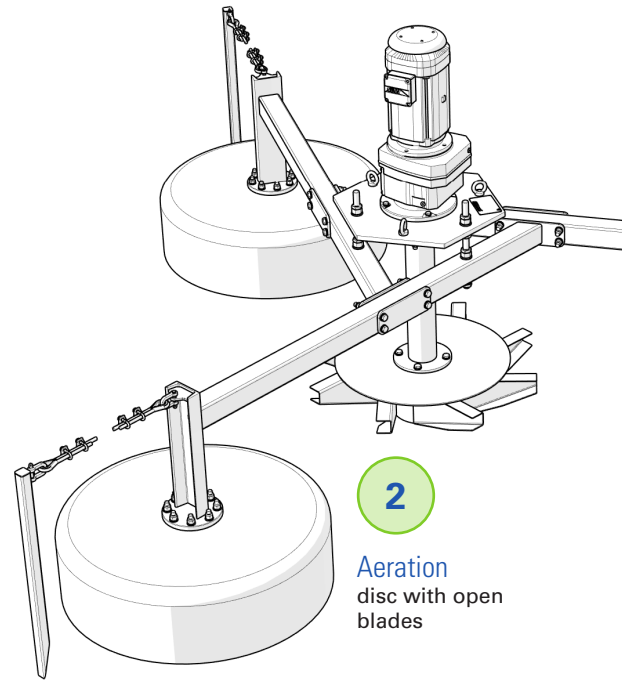
The speed of rotation is determined to enable the rotor to achieve optimum mixing and oxygen yield in accordance with the customer's requirements. The **AQUAMEO LFL** has the advantage of low maintenance, there are no wearing parts that need to be replaced regularly.



The aerator lifts the water upwards, while the air moves downwards.

1

Drive
by a geared motor with cylindrical gear



2

Aeration
disc with open
blades

3

Anchoring and fixing
by tensioned cables and
circular floats made of resin
polyester, injected with
foam.



Controlled flow analysis
for a design that is ever
closer to reality and optimal
oxygenation.



OPTIONS



Walkway for maintenance

EMO sas,

4 rue Lépine – PA La Richardière, BP 53209, 35530 Noyal sur Vilaine, France
+ 33 (0)2 99 86 02 03 - emo@emo-france.com

www.emo-france.com

Certification ISO9001 - ISO14001



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