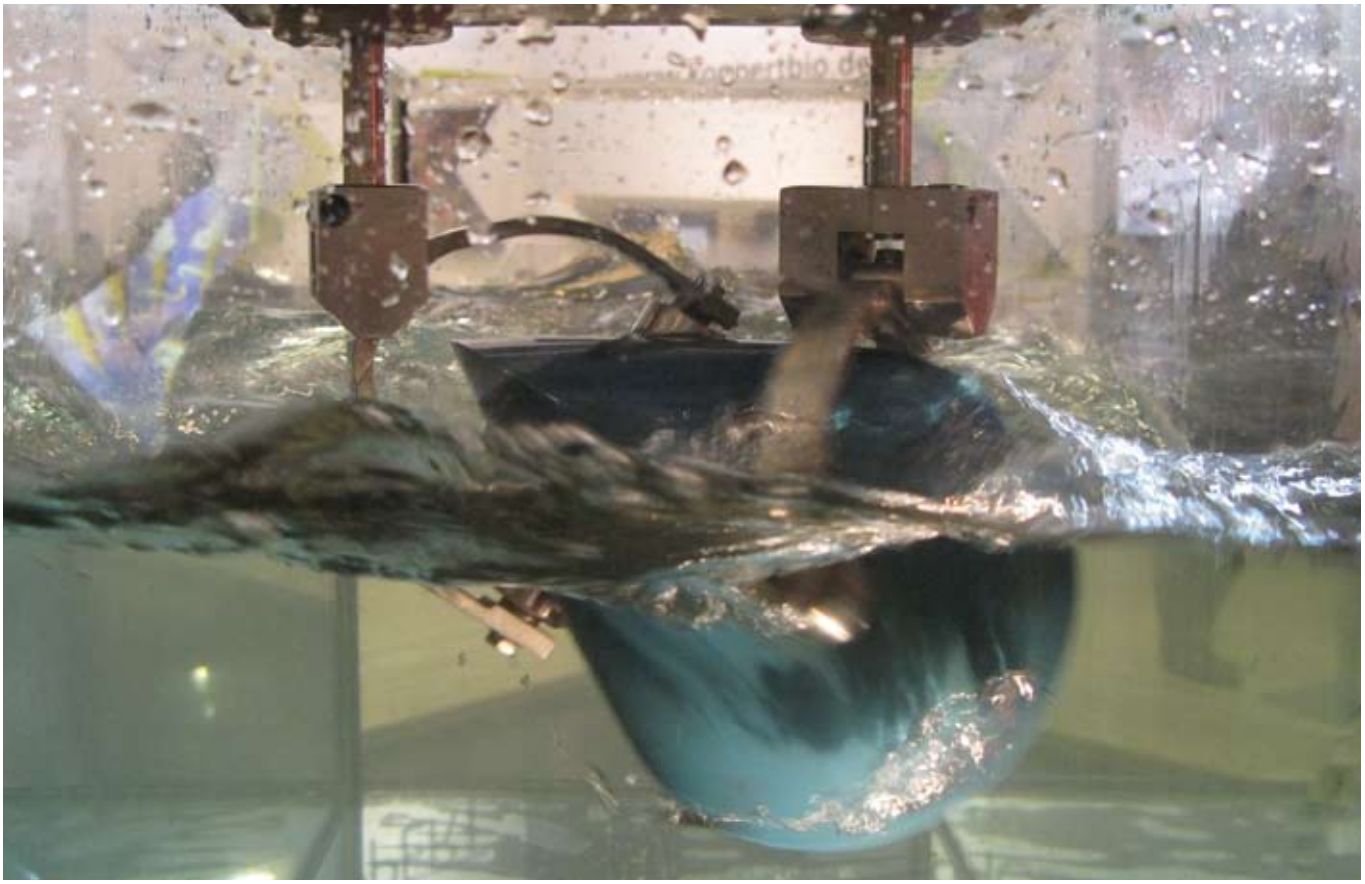


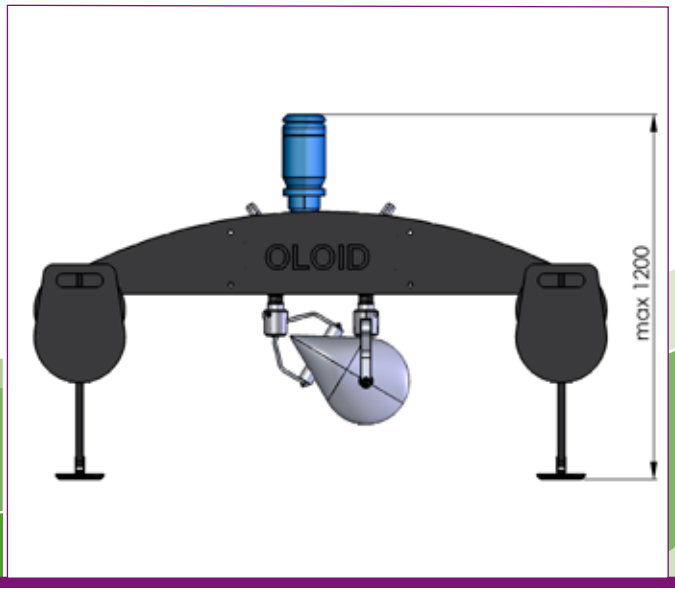
HortiMaX Oloïd

- Reduces accumulation of organic matter
- Prevents algae growth
- Keeps rain water in optimum condition

OLOID

HortiMaX growing solutions

For cleaner, more homogenous and oxygen-enriched water



Stagnant water is detrimental to your crop, since it can drastically lower the water's oxygen content and cause explosive algae growth. Algae, in turn, can clog up your irrigation system. HortiMaX's solution to these problems is the Oloïd. The Oloïd 'agitates' the water in your bassin or pond, homogenising the water and raising the water's oxygen content to the maximum soluble level. The Oloïd also prevents algae growth and biodegradable materials from accumulating at the bottom of your reservoir or tank.

Increases oxygen content - Using irrigation water with maximum oxygen content not only boosts plant growth, but also makes crops stronger and more resistant to diseases and pests.

Reduces accumulation of organic matter - Since the Oloid keeps water in constant motion, organic degradable matter will decompose naturally.

Homogonises water quality - The constant water current ensures a homogenous water quality and temperature throughout your reservoir or tank, resulting in more stable growing conditions for your crop.

Prevents algae growth - The Oloïd effectively inhibits algae growth. This results in cleaner water and a cleaner irrigation system.

The Oloïd is equipped with an electrically-driven agitating body, which has a unique geometric shape and drive mechanism. The rotating agitating body causes a pulsating and unidirectional water current, which efficiently stirs great quantities of water. This current flows throughout the reservoir or tank, not just at the surface. As a result, oxygen-enriched water is spread homogenously throughout the body of water.
The Oloïd is adjustable to different depths. In its highest position, the device is partly above the water surface, mixing air (and therefore oxygen) into the water. In its lowest position, the Oloïd is mostly submerged, increasing the water current. This position is used in winter to prevent the water surface from freezing solid. This position also prevents biodegradable matter and waste from collecting at the bottom of your reservoir. You will soon notice the results, an example of which is shown on the left. The rotational speed of the Oloïd can be adjusted with a control unit that is normally fixed to a mounting pole near your bassin or pond.

Oxygen enrichment and algae control at low water consumption level:	
Water reservoirs up to 800 m^3	Oloïd 200
Water reservoirs up to 12,000 m^3	Oloïd 400
Water tanks up to 1,000 m^3	Oloïd 200
Oxygen enrichment at high water consumption level:	
Consumption up to 200m^3/day	Oloïd 200
Consumption up to 600m^3/day	Oloïd 400
Oloïd 200 can operate at a depth of 2 - 3 metres; the Oloïd 400 up to 4 metres.	

The measurement results for a 13,000m^3 rain water reservoir at a Dutch nursery after the Oloïd 400 was installed	**Before installation**	**3 week after installation**	**6 weeks after installation**
Oxygen content at the:			
- surface	72%	72%	99%
- mid-depth	74%	71%	98%
- bottom	36%	69%	82%
Temperature difference between bottom and surface	2 °C	0 °C - homogenous	0 °C - homogenous
Light transmission	76%	81%	73% *
Algae ratio (chlorophyll content)	913 µg/l	590 µg/l	383 µg/l
* caused by adding ground water			

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