

**BE SMART ...BUY SOLAR !!!**

**THINK DIFFERENT...INSTALL SUSTAINABLE!!!**

## **POND AERATION : zero-to-low energy**

The surface aerator OLOID is equipped with a special design impellor which can be positioned in different ways to aerate , to circulate or to mix the lagoon ( lake, pond)

By installing the OLOID a deep and adequate mixing is created to prevent thermal stratification and to prevent excess surface heating. In the position of aerating large quantities of oxygen are added to improve the water quality . Efficient mixing and circulation of lakes can hold the the algae in suspension while reducing its photosythetic reproduction rate.

Aeration normally requires electrical wiring installed to the site at great expense and ongoing energy costs. The OLOID apparatus can aerate and create destratification with zero-to-low energy by means of solar energy and a DC motor.

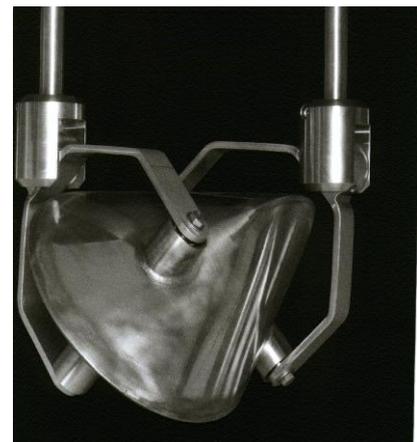
### **Advantages:**

- **Increase of oxygen transfer rate**
- **Destratification of large areas**
- **Increases capacity for aquatic life and fish growth**
- **Natural aerobic action**
- **Reduces surface scum and odor problems**
- **Prevents accumulation of noxious gases**
- **Zero-to-low energy cost**

FLOATING AERATOR WITH SOLAR PANELS



IMPELLOR BENEATH SURFACE



TYPES	OLOID 200	OLOID 400
Power Motor	80 Watt	370 Watt
Energy consumption	25-60 Watt	250 Watt
Weight	11 kg	41 kg
Rotation	50-125 T/min	53 T/min
Oxygen rate	70 gr O2/hour	250 gr O2/hour
Oxygen performance	2,2 kg/kWhour	1 kg/kWhour
Coverage area	30 m <sup>3</sup> - 1.000 m <sup>3</sup> 2-4 m depth	100 m <sup>3</sup> - 15.000 m <sup>3</sup> 3-6 m depth

### **Installation**

The floating device is very easy to assemble and install . The unit can be 100 % solarpowered or grid powered by a small motor. The installation requires no special skills and less mechanical equipment. The floating system is made of sustainable PE and the impellor is stainless steel .

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WATER  
ENERGY**