

Aquasub is a floating surface aerator

AQUASUB is a hydro-ejector that reconciles aeration and the movement of masses of water. Used in freshwater lakes or ponds, it provides the oxygen essential to fish life. With a simple design and very robust construction, our devices can be used in all circumstances.

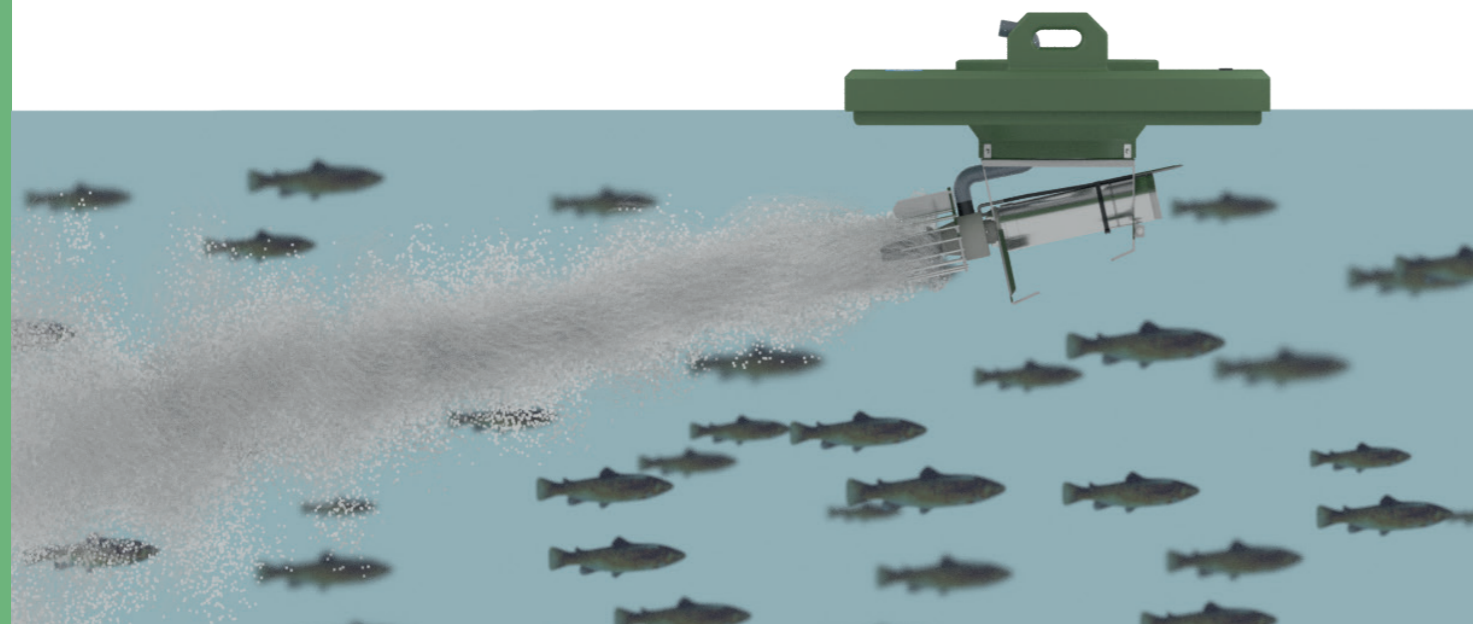
The Aquasub can be used in many cases:

- For aeration and destratification of lakes, ponds
- For the desaturation of water supersaturated with gas, etc ...

A complete range of Aquasub with 5 powers ranging from 0.37kW to 4kW is available.

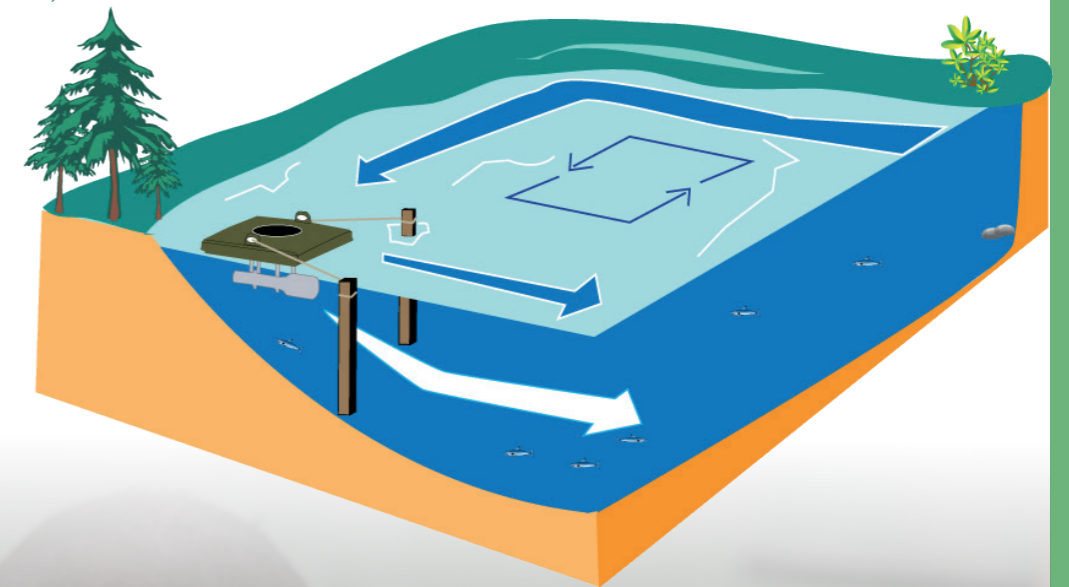
High performance.

A special pressure reducing turbine rotating at 3000 rpm is attached to the end of the motor shaft. The air coming through the guide tube is drawn into the center of the propeller by the VENTURI effect. The air mixed with the water is diffused in micro-bubbles in the water current created and directed towards the bottom. The amount of oxygen transferred is optimum because the micro-bubbles have a very long residence time in the volume of water pushed.



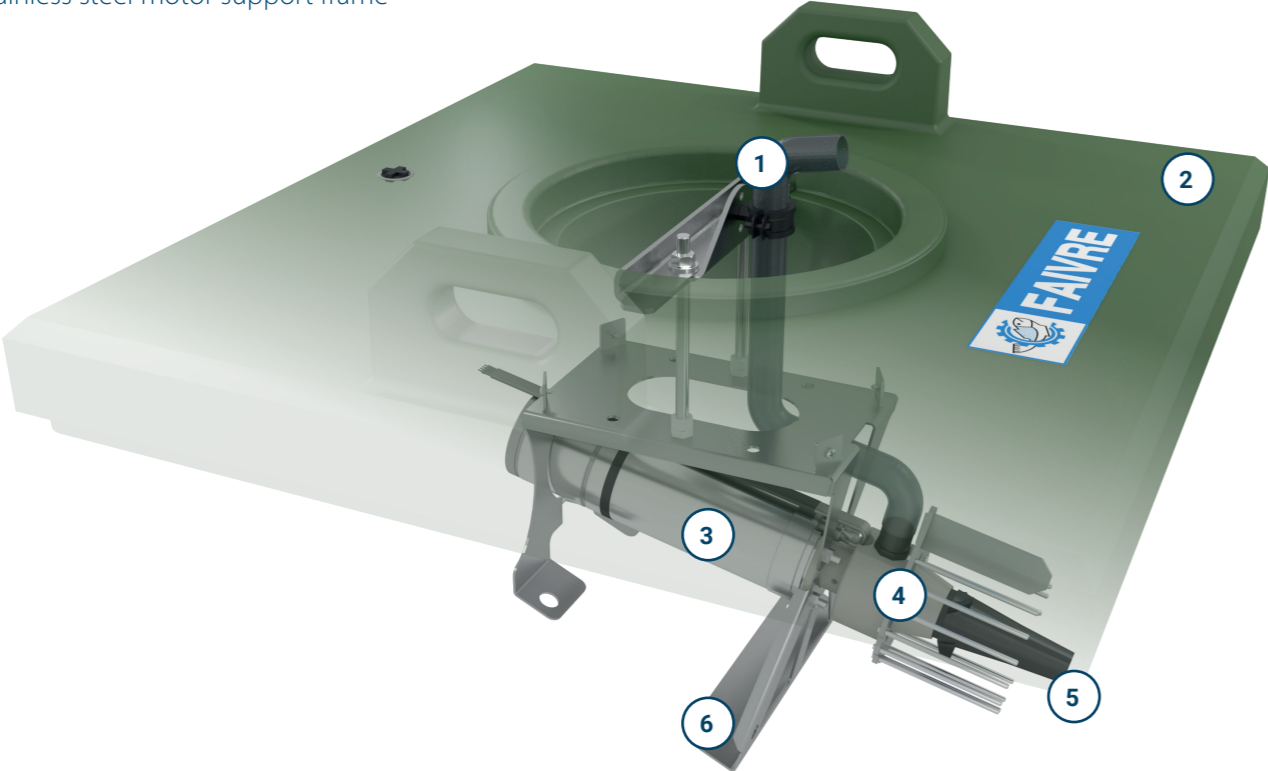
Practical and economical advantage

- ADVANTAGES: A stream of water rich in oxygen
- Reduces fish mortality due to lack of oxygen
- Prevention of the development of phytoplankton (cyanophyceae) as well as weeds.
- The biodegradation (by aerobic bacteria) of organic pollutants kept in suspension.
- An increase in the density of the fish, its growth rate, its good sanitary condition.
- Circulation and mixing of water masses
- Destratification of water bodies, lakes, ponds ...
- In winter, can be used to keep part of the body of water open.
- Compact, portable unit
- Little noisy
- Very simple and inexpensive installation
- Discreet and floating unit (no level adjustment)
- No maintenance (no lubrication)
- Self-cleaning strainer



Specifications

- 1 - Air suction by venturi effect with silencer (option)
- 2 - Rotomolded polyethylene float
- 3 - IP67 stainless steel submersible motor (speed 3000rpm)
- 4 - Stainless steel strainer
- 5 - 3-blade propeller in composite materials
- 6 - Stainless steel motor support frame



AQUASUB	0.5Cv	1Cv	2Cv	3Cv
Puiss. moteur (kW)	0,37	0,75	1,5	2,2
Débit d'eau traité (m3/hr)	200	300	550	750
Production d'oxygène (kg O ₂ /hr)	0,5	0,8	1,7	2,6
Dimensions l x L x H (m)	0.5 x 0.5 x 0.6	0.9 x 0.9 x 0.7	0.9 x 0.9 x 0.7	0.9 x 0.9 x 0.7
Poids (kg)	25	36	41	47
Réf. *220 - 230V 1 phase 50 Hz	APH 0051	APH 0101	APH 0201	APH 0301
380 - 415 V 3 phases 50 Hz	APH 0053	APH 0103	APH 0203	APH 0303

Options

Power cable length

The aerator comes with a 20 meter cable.
Optionally you can obtain lengths of up to 80 meters depending on the power of the requested motor

