

**FAIVRE**  
INDUSTRIE  
ENVIRONNEMENT



# HYDROPULSE



MADE IN FRANCE

**60 YEARS  
OF EXPERIENCE  
IN VENTILATION**

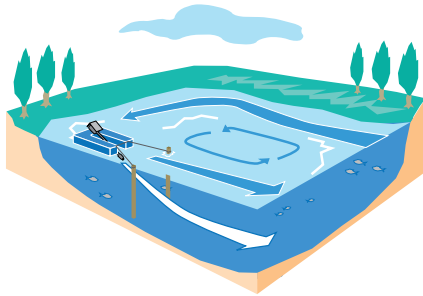
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# HYDRO-EJECTOR / HYDROPULSE

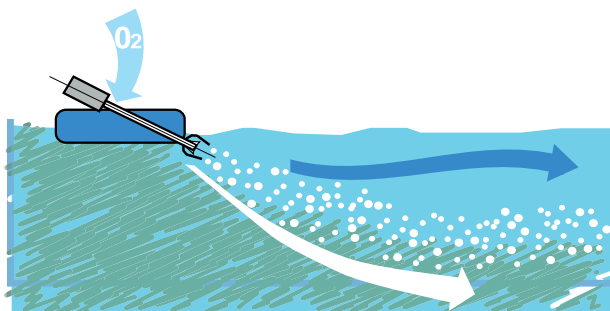


**HYDROPULSE** is a hydro-ejector with a vacuum turbine which reconciles the ventilation and the setting in motion of the masses of water.

Used in lakes, lagoons and leachate ponds, it provides the essential oxygen for bacteriological life. Simple in design and very robust manufacturing, this device can be used in all circumstances, and has the advantage of a very quiet operation.

## OPERATIONS:

A special positive-displacement turbine running at 3000 rpm is attached to the end of the drive shaft. The air coming through the guide tube is sucked into the center of the propeller by VENTURI effect. The air mixed with the water is diffused in micro-bubbles in the stream of water generated and directed towards the bottom. The amount of oxygen transferred is optimum because the microbubbles have a very long residence time in the volume of water pushed.



⇨ Underwater oxygen current  
➡ Current generated on the surface

## Rehabilitation of a natural lagoon



1

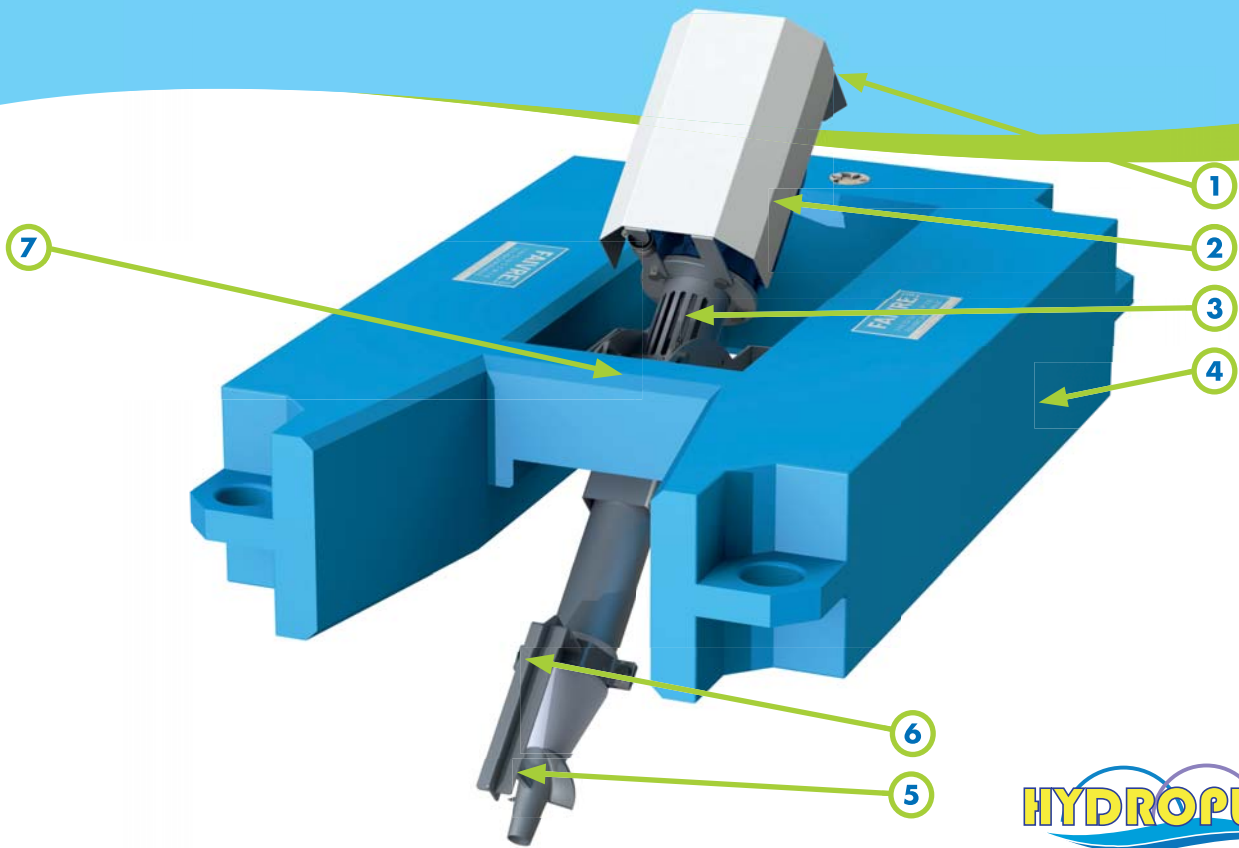
Installation of hydro-pulses: important presence of mud and duckweed



2

4 days after start-up of hydro-pulses, removal of lenses and restoration of hydraulic capacities of the basin

# HYDRO-EJECTOR / HYDROPULSE



## DESCRIPTION:

- ① Engine protection stainless steel hood
- ② IP 55 motor 3000 rpm
- ③ Air suction strainer
- ④ Float made of high density polyethylene anti UV
- ⑤ 3-blade stainless steel impeller
- ⑥ 316L stainless steel strainer.
- ⑦ Tilt adjustment of the motor/turbine block

Each device comes with 30 meters of cable, additional lengths on request.

HYDROPULSE >		2cv	3cv	4cv	5cv	7cv
Power output	<b>kW</b>	1,5	2,2	3	4	5,5
Absorbed power	<b>kW</b>	1,88	2,75	3,75	5	6,87
Volume of water processed ≈	<b>m3/h</b>	550	750	1200	1500	1800
Production of O <sup>2</sup> <sup>(1)</sup> ≈	<b>kg-O<sub>2</sub>/h</b>	0,95	1,4	1,8	2,5	3
Weight ≈	<b>kg</b>	42	47	70	75	75
380 - 415v 3 phases / 50 hz		AHP0153	AHP0223	AHP0303	AHP0403	AHP0703

<sup>(1)</sup>Clear water test

<sup>(2)</sup>Other voltages available on request



## FAIVRE, AMONG THE FIRST MANUFACTURERS OF AERATORS.



With more than 10,000 aerators installed worldwide for the past 60 years, we have become one of the European leaders of the floating aerator.

The reputation gained is also due to the quality of the components and materials used (stainless steel, HDPE, special resins ...).



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### EXCLUSIVE RESELLER:

Blank area for the exclusive reseller information.