

Presentation and Demonstration of The Fountain of Life and the Fountain of Life Kit



La Fontaine de Vie



Introduction

- We have created a new-generation ultrafilter water pump called "The Fountain of Life". It is the result of 3 years of research and about 15 prototypes.
- • Good congestion conditions, weight (48kg excluding water), mobility and simplicity of operation, this unique machine producing 200 to 1000 liters of drinking water and 2000 liters of water Culture per hour from a river, a well or a marigot or a pond, without any chemicals.
- It has been approved in Belgium by the organization that provides authorizations for implementation on the food market and it has passed the analyzes of the National Laboratories of analysis of Congo Kinshasa, Togo, Bamako and Mopti attesting the perfect bacteriological quality filtered water.
- They do the same thing. The Fountain of Life can provide drinking water for villages of 300 to 1000 people.
- The Fountain of Life is an application that can be used in the most difficult conditions of climate and access. It can therefore meet the needs of many villages that have drinking water problems and improve ensuing health problems according to their needs, but is also perfectly adapted to the needs of schools and health centers, etc.
- We have also developed a complete kit with the Fontaine de Vie, a mobile photovoltaic power supply and a list of 3 to 5 meters depending on the needs, for a total autonomy of villages or establishments where a kit will be installed.

Présentation of **The Fountain of Life**



Présentation of **The Fountain of Life**

- The Fountain of Life is an autonomous unit for the purification of surface fresh water (wells, rivers, lakes, lakes, ...).
- Its characteristics are :
 - Totally mechanical
 - Without any chemical addition
 - Compact (50x60x118)
 - Lightweight (48kg out of water)
 - Mobile
 - Extremely easy to use (the user manual is engraved on the machine)
 - Minimum maintenance thanks to a double backwash system.
 - Very few consumables (cost estimated at 20 € / year or 30,000 FCFA)

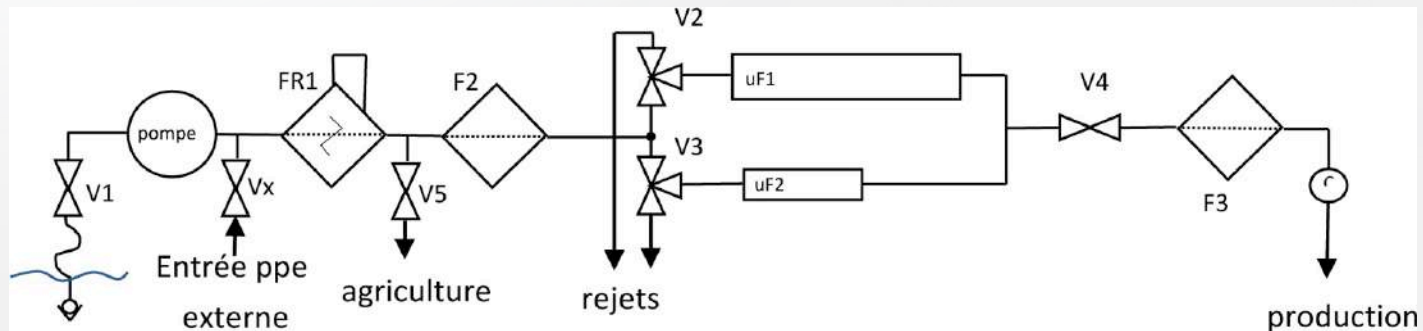
All the materials used are of high quality and guarantee solidity and durability of the Fountain of life whatever the climatic conditions

Présentation of **The Fountain of Life**

- The technology used is the ***ultra filtration***. This eliminates treated water particles ***above 0.01 micron***, or 10,000 times finer than a hair. The biological qualities of the pulsed water do not matter because the system Ultra Filtration is suitable for stopping viruses, bacteria, germs, parasites, micro-organisms and other suspended matter.
- This makes it possible to limit or eradicate the public health problems related to Hydric diseases.
- The polysulfone filtration modules are designed to filter surface water as well as borehole water with satisfactory ***physicochemical qualities***.
- In its basic version (***uf500***), its capacity is 480 to 600L / hour of drinking water.
- It also allows the irrigation of crops thanks to an output of 2 m³ / h not μ -filtered.

Présentation of The Fountain of Life

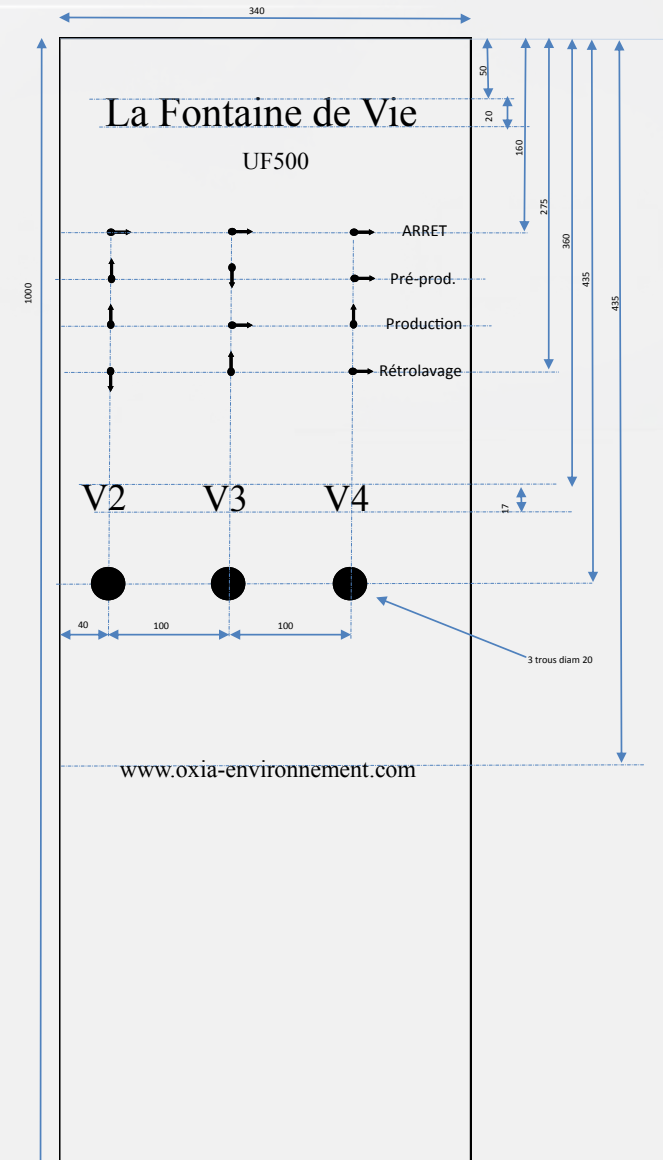
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- It consists of:
- a heat pump or a photovoltaic pump,
- a 100 micron pre-filter associated with a pressure regulator,
- a 10 micron filter screen filter
- a polysulfone microfiltration system of 0.01micron

Présentation of The Fountain of Life

- The Fountain of Life is controlled by 5 valves allowing, according to their position, to engage the various cycles of production:
- **V1** (at the back of the fountain) - water inlet.
- **V2, V3** and **V4** - (on the front panel) Off - Pre-production - Production - Backwashing.
- **V5** (at the back of the Fountain) - Culture water (semi filtered)
- The water thus treated is drinkable (therefore drinkable without danger to health), it nevertheless passes through an active charcoal filter that rids it of any remaining flavors and odors, even if they are safe.
- At the end, it can be compared, in terms of appearance and taste, the best mineral water. It is guaranteed 100% bacteria free!



Présentation of **The Fountain of Life**

Easy to install and compact, it is available in 3 versions:

200 L / h

500 L / h

1000 L / h



For each Fountain of Life installed, we train the operators who will be in charge of the system.

Présentation of The Photovoltaic Power Supply

- The photovoltaic power supply Oxia Solar has the particularity to be mobile because mounted on a trailer.
- The Fountain of Life and all related accessories can be integrated into the mobile structure.
- 3 attachment systems are provided so that the food can be towed by a car, a motorcycle or a donkey to adapt to all terrains and all situations specific to each village and neighborhood.



Présentation of The Photovoltaic Power Supply

- The mobile photovoltaic power supply Oxia Solar is designed to operate a water pump for the entire period of years.
- Then, the optional batteries mounted on it can offer him an additional autonomy of 2 to 3 hours.
- It can also be delivered as an option with a power generator set of 2 Kva.



Présentation of **Flexibles Tanks**

Good water management and preservation also involves means of storage that preserve the quality of the treated water.



The flexible tanks that we offer in the Fountain of Life kit are the ideal solution to easily provide a temporary or long-term water reserve.

The installation of traditional networks and infrastructures allowing access to drinking water represents a difficult operation for isolated or private sites. Responding to storage needs, the drinking water tank is the perfect complement to the Fountain of Life since it allows the treated water to be protected from any external contamination.

Présentation of **Flexibles Tanks**

The drinking water flexible tank is made from a textile coated with plastomer. It is a reliable, economical, ecological and sustainable solution.

The range of flexible tanks ranges from 1m³ to 1000m³

These flexible tanks have the following main advantages:

- their speed of implementation
- their small empty space
- their resistance
- their certification of potability
- their price

