



DYNAMIZE YOUR TAP WATER IN ORDER TO MAKE IT COMPARABLE TO MOUNTAIN WATER!

THE BENEFITS OF DYNAMIZED WATER



The pure, round and sweet taste of water that is significantly less oxidizing and more hydrating for your cells



Water containing significantly more energy (from a photonic point of view) comparable to mountain water.



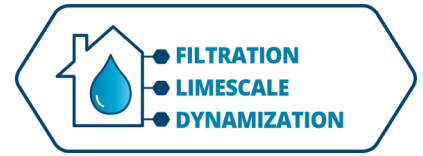
Regenerating water throughout the house, at all taps, baths, showers but also for your coffee, tea, soups, vegetables.



An ecological and economical solution respectful of the environment, No more need for plastic bottles or their transport or a softener with salt



YOUR BENEFITS THANKS TO THE BIOFILTER & BIODYNAMIZER



← Purified water



← A sweet and round taste



← A global solution



← An ecological solution



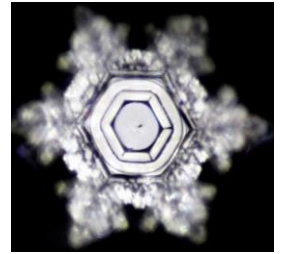
← An economic solution



→ More hydrating and less oxidant water



→ Restructured water with more energy



→ Intelligent limescale management









→ Biocompatible water for the whole family





COMPARATIVE TABLE OF DIFFERENT WATER QUALITIES

Comparative types of water		Chlorine	Pollutants	Minerals	Pharmaceuticals	Heavy metals	Limescale treatment	Structure (molecules)	Energy (photons)
	Biodynamized water 	+	+	+	+	+	+	+	+
	Bottled water	+	+	○	+	+	NA	○	○
	Tap water	-	○	○	○	○	-	○	○
	Softened water	-	-	○	-	-	+	○	○
	Osmosis water	+	+	-	+	+	NA	-	-

NA = Not applicable



PURIFY : Biofilter®

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BIOFILTER : THE PRINCIPLE

- **Filtration by adsorption** : activated carbon, mixed with micronized polyethylene beads and a porous fiber (Aqualen®) in which there is ionized silver. This combination will remove most of the pollutants that would still be present in city water (i.e. chlorine, bad tastes and odors, iron and corrosion from pipes, bacteria, chemicals, nitrates & nitrites, sulphates, heavy metals (including arsenic, cadmium, chromium, mercury, nickel, lead, selenium and zinc.), aluminum, drugs and hormones, etc.) while **preserving minerals** (what a *reverse osmosis* unit does not do!).
- Minerals are also essential for our **health**, in particular because they contain trace elements (which are fully metabolized), but also magnesium and calcium. Indeed, the calcium present in the water plays a role in the protection against cardiovascular diseases, in the elimination of fats and in the regulation of blood cholesterol
- The **limestone** is therefore not retained by the filter like a softener would, but it will be **restructured** by the Biodynamizer® (and beyond 40 ° f by the Biolimescaler®) to reduce the problems associated with limestone (it will transform the crystalline structure of calcite limestone in aragonite, a white powder which does not become encrusted and is easily evacuated).





BIOFILTER : HIGH PERFORMANCE TRIPLE FILTRATION TECHNOLOGY

- **Filtration 1: Pre-filtration: *Spunbond*** (made with thermally welded filaments, 100% polypropylene) **mixed with Aqualen® fiber**. Sediment filter which retains particles of iron, sand, mud, neutralizes the development of germs, bacteria etc ... and protects the activated carbon block
- **Filtration 2: The Carbon Fiber Block** (patent n° 2282494) is composed of **granulated activated carbon sintered with micronized polyethylene marbles and Aqualen® fiber**. The activated carbon is obtained after calcination of the coconut shells by injection of pressurized water vapor = physical phenomenon of the fixing of polluting molecules by the difference in polarity between the pollutant (charge +) and the activated carbon (charge -)
- **Filtration 3: Aqualen® porous fiber** (patents n° 20704036 & US n° 6514413) ; fiber with a fiber diameter of **10 µm**, mixed with activated carbon. This fiber resembles the roots of a tree which bind the granules of activated carbon into a dense structure. Its function is threefold, it:
 - allows to have a very large **adsorption surface**, i.e. **1,000 cm² / g activated carbon (33 times greater than that of conventional filters)**, that is to say a good distribution of water over the entire surface of the activated carbon (this avoids preferential water channels)
 - **physically retains pollutants** in its structure up to diameters of **5 µm** (physical filtration of heavy metals, bacteria, arsenic and parasites) ; (patent n° 2429067)
 - incorporates in its structure **ionized silver** (negatively charged) which is bactericidal (neutralizes microorganisms, antibiotics, etc.), the silver is therefore not mixed with the activated carbon but retained in the microfiber ; (patent n° 2172720)



CFB

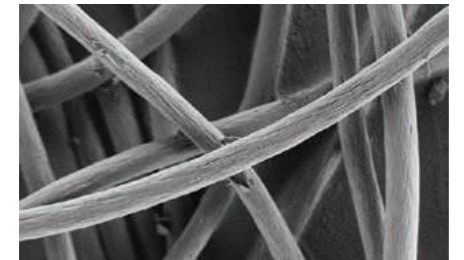


AQ



IAM

Ag⁺_{DFS}



TECHNICAL CHARACTERISTICS OF THE BIOFILTER

- **Connection after the cold-water meter (max 38 ° C)**
- **Filtration capacity:** 150m³ (150,000 L) and max 1 year, i.e. good performance for 1 family, in 1 house, for 1 year
- **Flow rate:** 1.5 m³ / Hour (or 25 L / min)
- **Max pressure:** 6.5 bars, pressure loss 0.1 bar if mains water pressure: 1.5 > <6 bars
- **Legal warranty (2 years)**
- **Fittings:** 3/4 inch
- **Dimensions:** Height: 595 mm x Diameter: 180 mm
- **Weight:** 7.5 kg
- **Certificate of Sanitary Conformity issued by the Carso laboratory: n° 21 ACC LY 990**
- **Material conformity certifications according to European regulations:**

(EC) 1935/2004 & (EC) 1907/2006 (REACH) & (EC) 2023/2006 & (EC) 10/2011



A GLOBAL SOLUTION: DRINK & BATHS & SHOWERS



- Delicious water to **drink**, a **pure, smooth and rounded taste** that makes you want to drink
- **Water is not directly hydrating for the skin!** Indeed, the epidermis constitutes a barrier which is protected by the famous "**hydrolipidic film**" which prevents water from entering your body.
- However, when **tap water is not filtered**, it contains **polluting substances which can then enter the body via percutaneous absorption** (passive diffusion of pollutants through the skin to the blood; Guy & Hadgraft, 1985 ; Jamoule JC 1988; Marty J.P. 1993)! Thus, there is a **potential of 500 potentially toxic molecules**, due to the reactions of chlorine and organic matter present in tap water (Prof. UCL Alfred Bernard), **which can be absorbed during baths or showers through the skin.**
- **Filtered water protects you by greatly reducing this type of insidious pollution!**

DYNAMIMIZE :



Biodynamizer®

Enjoy the natural movement of life



THE 3 BASIS PRINCIPLES OF WATER DYNAMIZATION

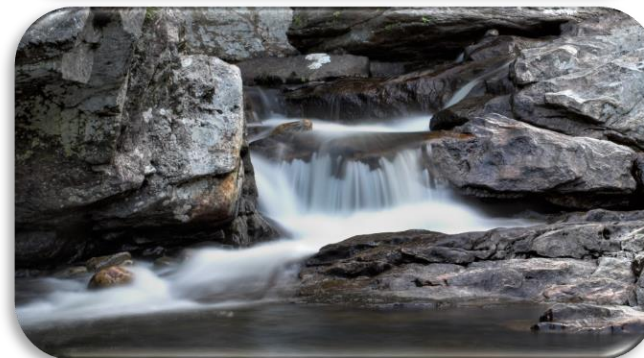
① **THE NATURAL VORTICES :**
the natural movement of water in nature is the **vortex** (vertical and longitudinal vortices)



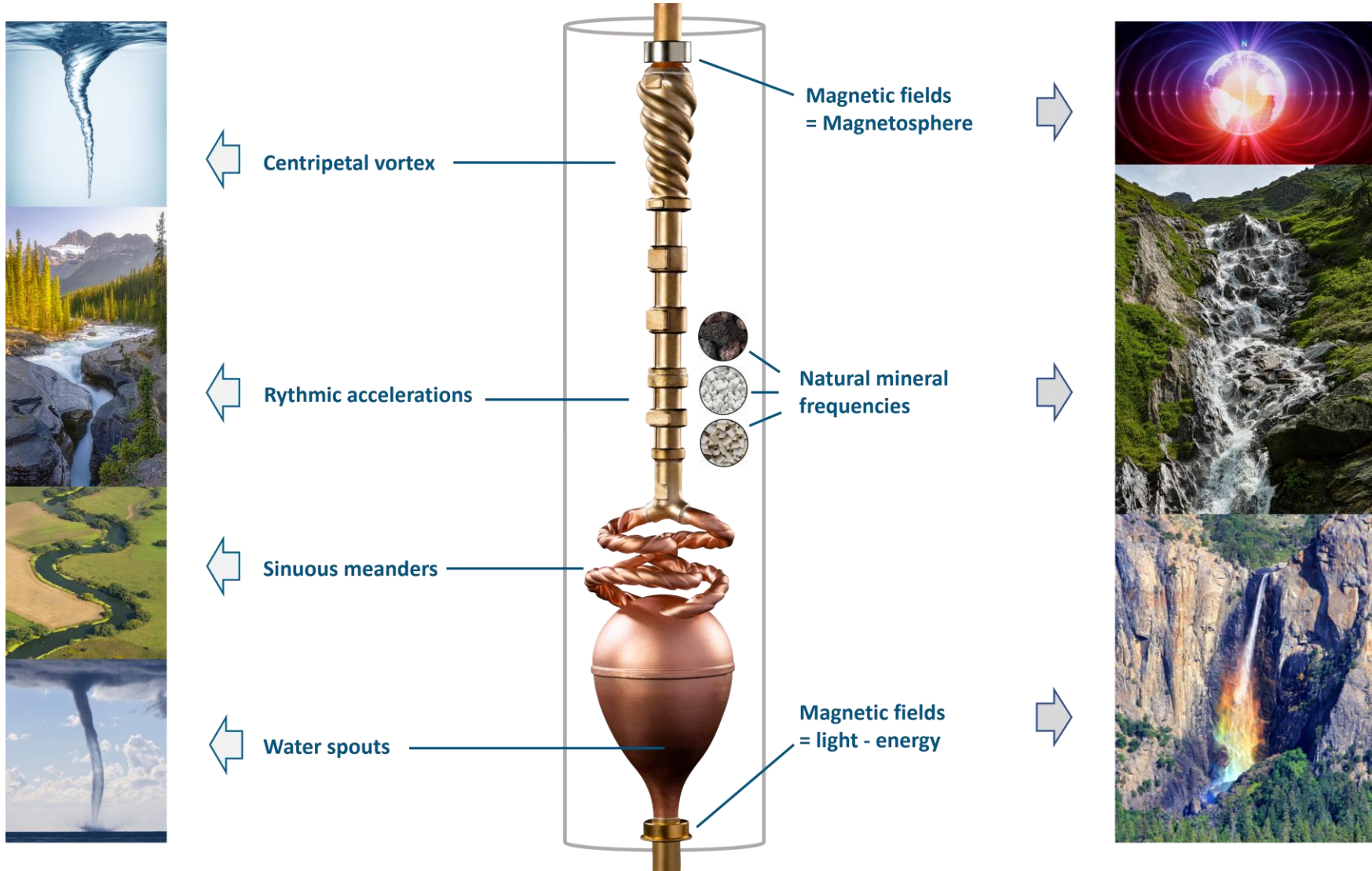
② **THE MAGNETISM :**
The Earth is a **magnetosphere** whose magnetism is communicated to water & minerals



③ **NATURAL MINERAL FREQUENCIES :**
Water captures the energies of **minerals** (Marble, Lava stone, informed Ceramic)

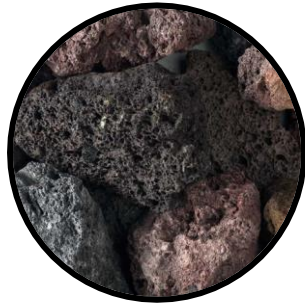
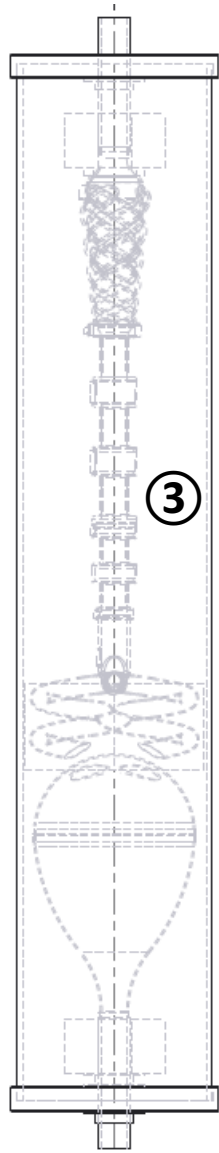


NATURE IS THE MAIN ENGINEER OF THE BIODYNAMIZER®, BIOMIMETICS



OBSERVE, UNDERSTAND and COPY NATURE!:
The shapes of the Biodynamizer® and its permanent magnets reproduce the water cycle in an accelerated manner

TRANSMISSION OF NATURAL MINERAL FREQUENCIES



The aquifer part is entirely surrounded by minerals from nature (more than 10 Kg) :

- **Volcanic lava stone** (found in the earth's crust),
- **White marble** (found in mountain rivers),
- **Ceramics informed by efficient micro-organisms (EM)*** which emit **infrared frequencies** compatible with living things; product certified authentic by EMRO



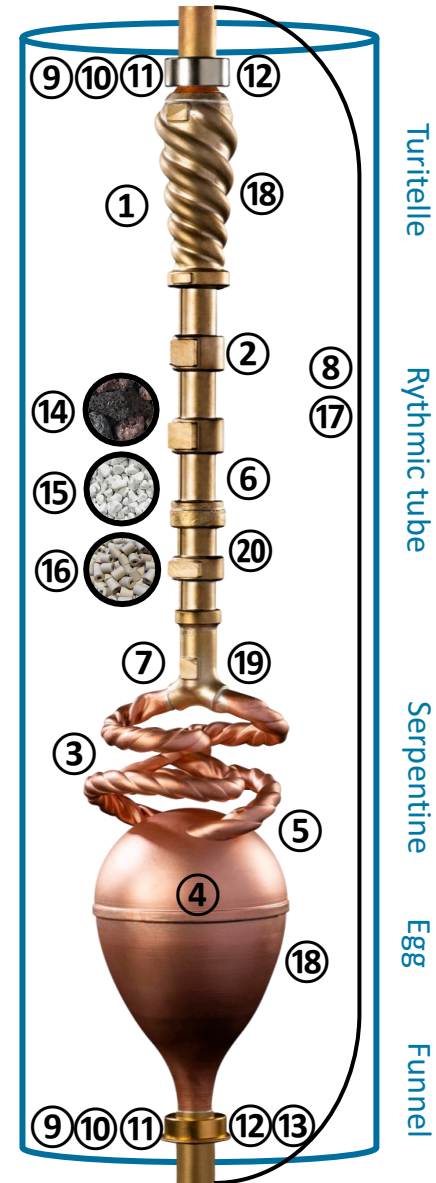
*Clay (composed of 80% silica, SiO₂) mixed with several complementary strains of bacteria that ferment in clay, fungi and natural yeasts (EM's). These EM's emit far infrared waves favorable to life and water. The clay is then heated at +/- 1,300 ° C and becomes ceramic which contains the natural frequencies emitted before heating by the EM's. These vibrations are then transmitted to the water (invention of Prof. Dr. Teruo Higa).





THE 21 DYNAMIZATION PRINCIPLES APPLIED IN THE BIODYNAMIZER®

- ① **Triple vortex** (spiral movement), anti-clockwise, **centripetal** (implosion energy) and **vertical**, developing intense **kinetic energy** (the radius of rotation decreases and accelerates the speed of the water, a phenomenon of aspiration or suction)
 - ② **Toric or transverse vortices** in the internal concave parts of the rhythmic tube
 - ③ **Double longitudinal vortex with reversal of rotation** (counter-clockwise and clockwise) = natural movement of water
 - ④ **Columnar vortex** (clockwise) with constant diameter and in **free flow without friction** with the walls (extremely fast rotation producing **thousands of vortices**, ultimate kinetic energy, in the center of a mass of water which surrounds it at its periphery and whose it causes the rotation in the same direction but much more slowly)
- The aquifer part in contact with water is composed of **materials that comply with water for human consumption (SCC)** and which are **bactericidal, antiviral** and **conductive**:
- ⑤ ➤ **copper**
 - ⑥ ➤ **brass**
 - ⑦ ➤ **silver** (for all soldering of the 11 metallic parts of the Biodynamizer®)
- ⑧ The **amplitude** of the **dimensions** of the Biodynamizer® (H = 897 mm) & the internal smooth surfaces produce a great kinetic energy
 - ⑨ Different **magnetization intensities (> 1T)**
 - ⑩ Different **volumes of magnets** (different quantities of material that influence the magnetization gradients)
 - ⑪ Different **magnetization axes**: perpendicular (diametrical) and toroidal (radial)
 - ⑫ Magnets whose materials consist of natural rare earths (**neodymium**)
 - ⑬ **Interaction between the vortices & magnetic field** which amplifies magnetic energy
- Transmission of natural dynamization frequencies:**
- **10 Kg of specific minerals:**
 - ⑭ ○ Volcanic **lava stones**,
 - ⑮ ○ Pebbles of Carrara **marble**
 - ⑯ ○ **Ceramics** informed by effective micro-organisms (**EM's**)
 - ⑰ ➤ Transmission of **specific dynamization frequencies (copper, gold, silver)** via magnetic fields
 - Transmissions of **wave patterns** emitted by **proportions respecting the golden number (1-1.618) Phi** found in the:
 - ⑱ ○ **Proportions** of the Turitelle and Egg shape ending in a hyperbolic funnel,
 - ⑲ ○ **Rhythms** (Fibonacci) of the rhythmic tube and **Golden angle** (137.5 °) of the T shape
- ⑳ Different **harmonic rhythms of expansion-contractions, acceleration-deceleration** (*venturi effect*), **high & low pressures** between the different parts of the Biodynamizer
 - ㉑ **Mechanical operation** (city water pressure) by gravity **without electricity**



TECHNICAL CHARACTERISTICS OF THE BIODYNAMIZER

- **Mechanism:** mechanical vortices & magnetic fields & natural mineral frequency transmissions
- **Maintenance:** no maintenance, no consumables
- **Flow rate:** 3.5 m³ / hour (58 L / min) at 3 bars
- **Operating pressure:** min 3 bars - max 6 bars. The metallic aquifer part of the device is resistant to pressures up to 80 bars and complies with European Directive 97/23 / EC on pressure equipment
- **Certificate for Conformity of the metals in contact with water issued by Eurofins under number 20-FST9-241:** All materials in contact with water (copper & brass & silver) have sanitary compatibility in accordance with European Directive 98/83 / EC relating to the quality of water intended for human consumption
- **Legal warranty** (2 years)
- **Pneumatic test** : each Biodynamizer is tested at a pressure of 10 bars for 2 minutes under water in order to check its tightness.
- **Fittings:** ¾ 'inch (outer Ø 26.4 mm, inner Ø 18 mm)
- **Dimensions:** H + fittings: 90 cm x outside Ø cylinder : 16 cm, weight: 17 kg
- **Placement:** the device must be connected to the pipes via dielectric hoses (multiskin) after the meter of the city water distribution network delivering drinking water and this more than 1.5 meters from the main electrical supply and more than 50 cm from the electrical panel



The Biodynamizer® was designed and manufactured with the help of citizens and factories established in the following European countries:



Biodynamizer®
Enjoy the natural movement of life





INNOVATION AWARD AT SIRHA 2021 !

WINNER

**SIRHA+
INNOVATION
AWARDS**

Salon International de la restauration,
de l'hôtellerie et de l'alimentation





Dynamized
Technologies s.a.

SOME ANALYZES REALIZED BY DYNAMIZED TECHNOLOGIES ON DYNAMIZED WATER:

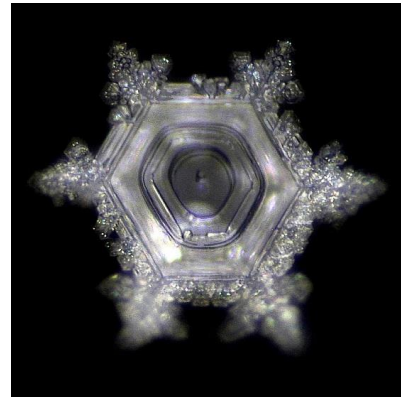
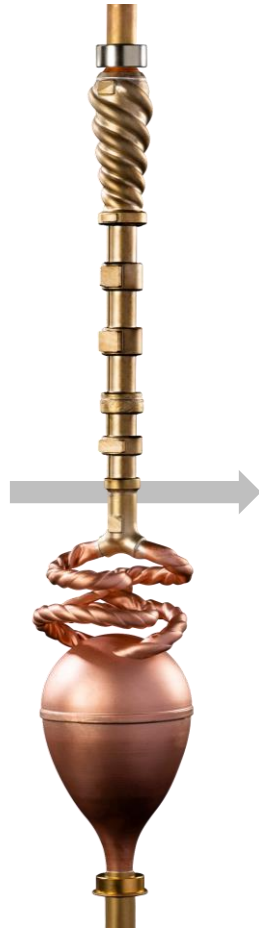


WATER CRYSTALS FROM DYNAMIZED WATER

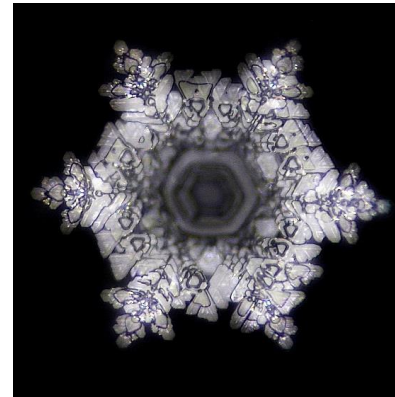
Analysis done on september 2016 & july 2019 / E. Braun



Tap water crystal



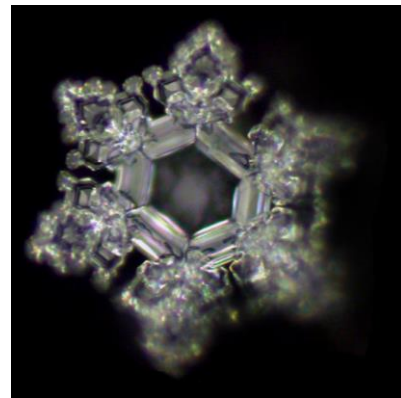
Dynamized tap water crystal from France



Dynamized tap water crystal from Belgium



Dynamized tap water crystal from Switzerland



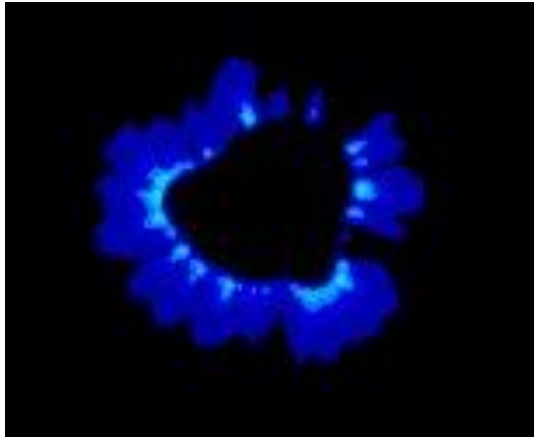
Mountain water crystal from the Swiss Alps

Comparison of a tap water crystal > < 3 dynamized tap water crystals from 3 different countries (Rhode St. Genèse in Belgium, Brens in France & Uttigen in Switzerland) => **The hexagonal crystalline structure** of dynamized water (6 branches structured in a fractal way and whose superstructure is symmetrical, regular and redundant) is equivalent to that of **mountain water!**

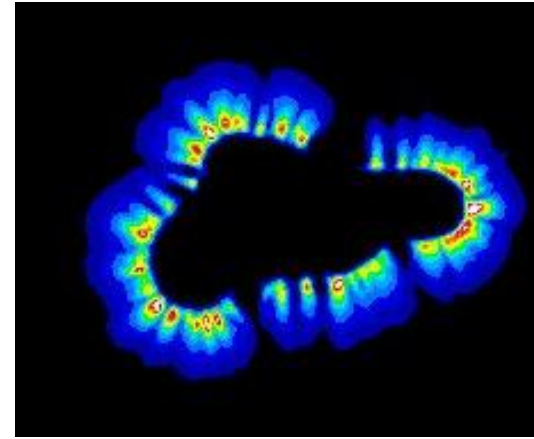
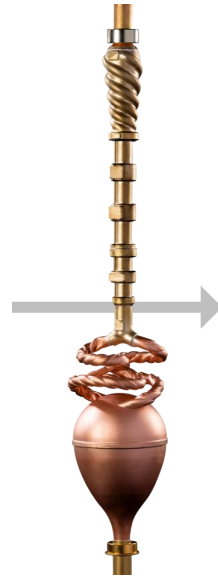


THE ELECTROPHOTONIC CAMERA: ENERGY & SURFACE TENSION

Electrophotonic analysis carried out by the Coramp laboratory (macroscopic imaging by corona effect) on 07/09/2019, the electrophotonic photos of which are processed by scientific image processing software developed by Raymond Herren, an electronics engineer from the CNRS (National Scientific Research Center, France) / + Mathematical and statistical expertise of Prof. M. Henry on 08/29/2019



*Tap water: Spherical shape of the water drop
Less intensity and light radiation (crown & streamers)*



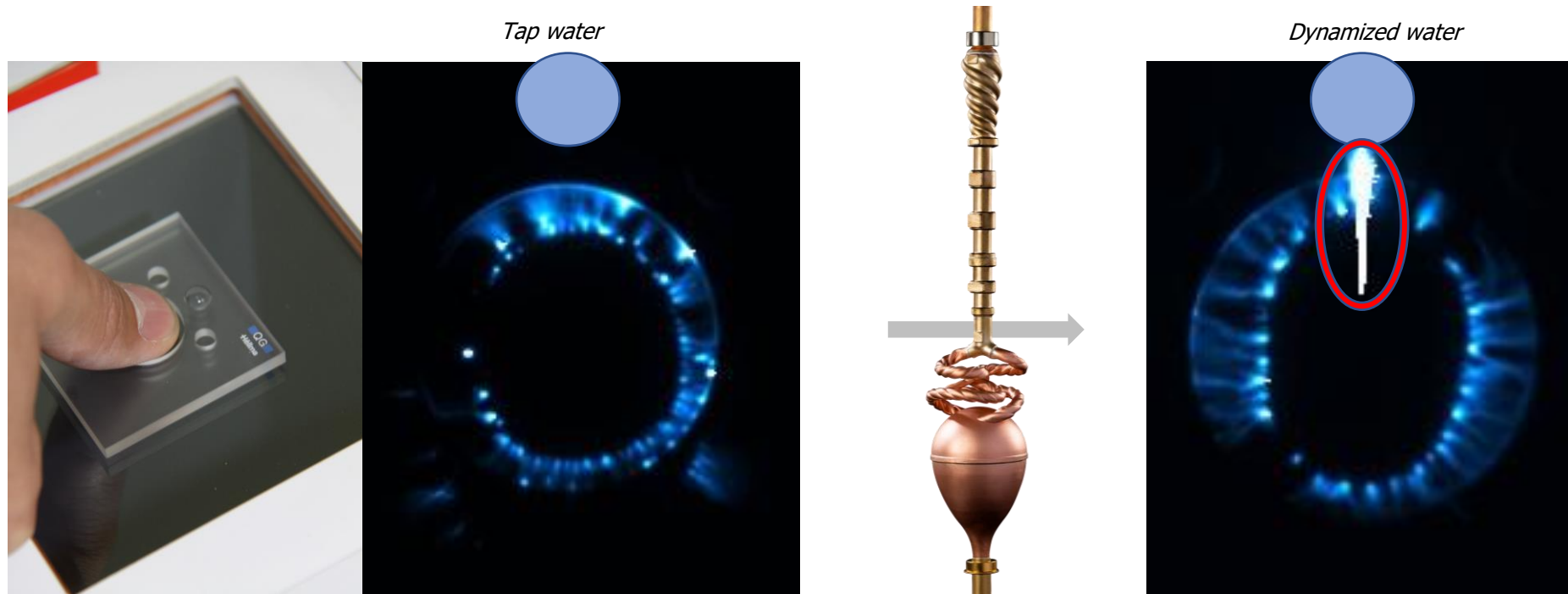
*Dynamized water: Spreaded shape of the water drop
More intensity and light radiation (crown & streamers)*

The electrophotonic camera photographs the **bioluminescences** (streamers) in water (capture of photons present up to 10,000 photons / pixel which can be converted into energy / joules) and notes for **dynamized water**:

- A **more spread form of the drop of water** on the electrode indicating a **lower surface tension** of the water
- **Significantly greater photon emission** (light / energy) in terms of **quantity, intensity and amplitude of light radiation**. It is also interesting to know that photons would be involved in cellular growth and intra and intercellular communication as well as in microbial infections!



THE ELECTROPHOTONIC CAMERA: PHOTONIC BRIDGES



The electrophotonic camera observes a significant **increase in the energetic biocompatibility** ("*energetic affinity*" in terms of **occurrences and quantity of energy transmitted**) of dynamized water with regard to living organisms. This is illustrated in the photo above by the "**photonic bridges**" between the water receptacle and the finger. The photonic bridges induced by dynamized water are :

- **Produced in 100% of the cases on 20 fingers** (which is not the case with tap water)
- **Significantly larger and more intense** (often even penetrating the very interior of the receptacle on which the fingers are placed as seen in the photo on the right above); phenomenon never observed before by the electrophotonic camera in 10 years of existence

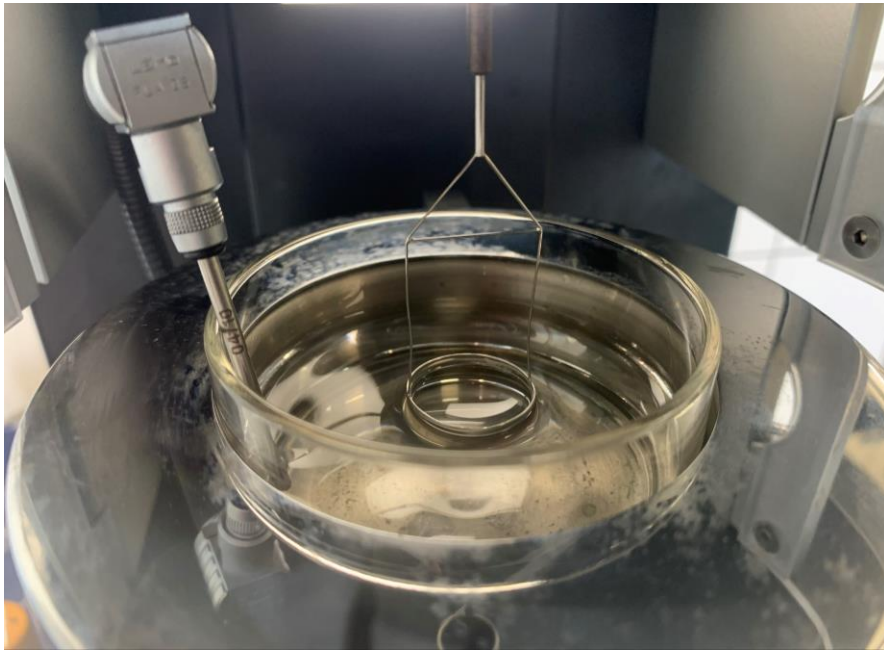


ANALYSIS OF THE SURFACE TENSION OF DYNAMIZED WATER

Analysis carried out according to international standards the 22nd of July 2021 by the SGS laboratory in Rotterdam (Krüss Easy Dyne device)

Comparison of the surface tension of dynamized and non-dynamized tap water from Rhode Saint Genèse (Belgium). After analysis, it turns out that the water dynamized by the Biodynamizer has a **lower surface tension of -15%** compared to non-dynamized water (66 dynes / cm -> 56 Dynes / cm or mN / m at 20 ° C and measured according to ASTM D1331).

The **ring tear-off method** measures the surface tension of water: The platinum ring is submerged and then pulled upward until it crosses the surface of the liquid. The lamella is overstretched until it breaks and gives the measure of the surface tension of the water.



THE SURFACE TENSION OF WATER AND CELLULAR HYDRATION



Knowing that a **lower surface tension** has a more “*wetting*” power which **optimizes the penetration of water into the cells** and therefore allows **better cellular hydration** (this occurs via aquaporins through which +/- 1 billion molecules water enter the cell one by one and every second).

This better hydration helps **eliminate toxins and metabolic waste and therefore detoxify the body.**

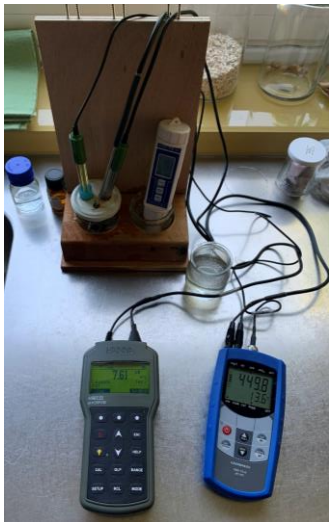
"If nutrients cannot enter the cells because of the high surface tension of the water, then the cells dehydrate and die from the accumulation of their own wastes" Nobel Prize winner Alexis Carrel.





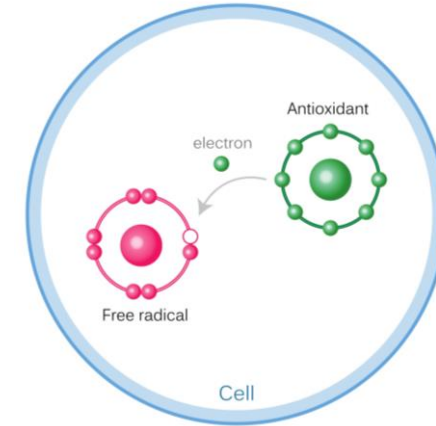
BIOELECTRONICS OF VINCENT (BEV) ANALYSIS

pH (proton analysis) & rH2 (electron analysis) ; BEV analysis (Bioelectronic of Vincent analysis using Hanna Instruments calibrated electrodes and the formulas of Professor Joseph Orszagh researcher at the University of Mons-Hainaut in Belgium, carried out by Sylvie Henry Réant, ENSCP Chemical Engineer, Master 2 Biology, in Rhode Saint Genèse (Belgium) on 19.05.2020



BEV analysis confirms that the Biodynamizer :

- **very significantly reduces the oxidation potential of water (ORP)**
- participates in **cell regeneration** by increasing the electronic activity in water (surplus of available electrons) which helps to fight free radicals
- **preserves energy much better in water**
- **facilitates the removal of minerals** via the intestines rather than the kidneys as well as their **metabolization**





MUSTARD SEED GERMINATION TEST

Analysis carried out 3 x in October, November and December 2020



Non dynamized water

Dynamized water

- Parameters of the analysis carried out 3 times:
 - Identical amounts of seeds
 - Identical watering 2 x / day
 - Identical light & heat exposure
- Findings in favor of dynamized water:
 - Earlier germination start
 - Ever larger volume
 - Bigger, more developed germs
 - Maturity faster
 - A greener set



Comparative observations of 2 groups of cows

Conclusions of the observations made between 2019-2021:

Comparative observation of 2 groups of +/- 60 cows (Warzée farm in Hamois, Belgium), on equal feed in quantity and quality, in stalls all year round, one of which drinks dynamized water and the other does not induce following observations in the group drinking filtered water dynamized by the Biodynamizer:

-  **23% Water consumption,**
-  **20% Milk production (and a proportional increase in fat and protein)**

Water consumption	Non - dynamized water	Dynamized water	Δ (%)
From June to Sept.2021	62,11 L/cow/d	76,63 L/cow/d	+ 23 %

Milk production	2019 (non-dynamized water)	2021 (dynamized water)	Δ (%)
Milk (L)	24,20	29,01	+ 20 %
Fat (Kg)	0,95	1,13	+ 19 %
Protein (Kg)	0,81	0,98	+ 21 %





LIMESCALE MANAGEMENT:



Biodynamizer®
Enjoy the natural movement of life



Biolimescaler®



THE BIODYNAMIZER: AN INTELLIGENT LIMESCALE MANAGEMENT UNTIL +/- 40°F

- Limestone in tap water will **not be removed** by the Biofilter® neither the Biodynamizer®, as a softener can do.
- Scale therefore remains **present and visible** in dynamized water. On the other hand, the **Biodynamizer will restructure** it (change its crystalline structure) in order to reduce its disadvantages. The structure of the tartar changes (from calcite to aragonite), it becomes **softer and more soluble** (fine white powder which is evacuated more easily) and will become **much less encrusted**, which will facilitate the maintenance of household appliances. and prevent the pipes from clogging.
- The Biodynamizer remains effective in combating limestone **up to +/- 40 ° f**, ie hard water containing a lot of limestone, **above 40 ° f** we recommend the addition of a complementary device to treat limescale in an additional way, **the Biolimescaler®**.



Pan test: restructuring of the limestone after boiling, comparison between tap water (left) and dynamized water (right)





THE BIOLIMESCALER: ADDITIONAL MANAGEMENT OF LIMESCALE > 40° F

Additional limescale treatment device (complementary to the Biodynamizer) in the event that tap water is very hard, i.e. > 40 ° f!

- Requires no maintenance and no electrical connection
- Does not require salt or other chemicals
- 100% ecological and good for the environment
- Extends the life of your installations
- Treats lime and corrosion along the entire length of the building's sanitary pipes (regardless of their length)
- Is guaranteed for life

Technical characteristics of the Biolimescaler®:

- Fittings: **¾ inch male** diameter (placement can be done in both directions)
- Dimensions: 60 x 135 mm
- Weight: 1.6 Kg
- Capacity (flow): **60 liters / minute**



Biolimescaler®



Biodynamizer®
Enjoy the natural movement of life



COSTS AND PLACEMENT:



Biodynamizer®
Enjoy the natural movement of life



Biofilter®

COMPARATIVE BUDGETS (HOUSE WITH MAX 5 TO 8 INHABITANTS - EXCLUDING PLACEMENT)

Mineral water

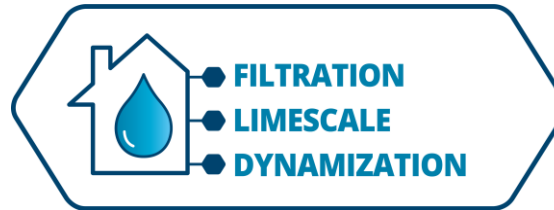
Stagnant, expensive and anti-ecological



4.073 € in 3 years (0,75 € X 1,5 L X 4 X 365 d)

Dynamized water

"Living" water equivalent to mountain water for the whole house



3.280 € excl. tax

Reverse osmosis

"Empty" distilled water for just one tap
With a great loss of water



between 500 and 3.500 € excl. tax

Softened water

Non-potable functional water



between 1.500 and 3.500 € excl. tax

Ionized water

A "therapeutic" water for just one tap
Do not drink all year round



between 800 and 4.000 € excl. tax



SAVINGS FROM DEVICES (BIOFILTER + BIODYNAMIZER)



Savings DYNAMIZED WATER >> COST OF BOTTLED MINERAL WATER

Devices amortized in **2.5 years**

Savings of +/- **€ 30,000** over 20 years

Savings DYNAMIZED WATER >> COST OF BOTTLED MINERAL WATER & SOFTENER

Devices amortized in **1 year**

Savings of +/- **€ 40,000** over 20 years

Savings after inclusion of the Biodynamizer + Biofilter cost in Mortgage credit >> COST OF TAP WATER & SOFTENER

Devices immediately amortized

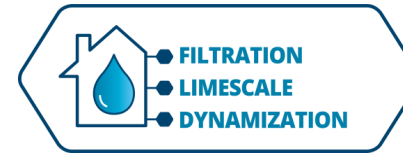
Monthly savings of +/- **€ 125**

Savings of +/- **€ 30,000** over 20 years





THE SIMPLICITY OF A GLOBAL SOLUTION



The Biofilter® and the Biodynamizer® and the Biolimescaler® are placed by any plumber or professional sanitary installer just after the city water meter. It takes a space of +/- 1 m² to place them.

GLOBAL SOLUTION:

- ✓ Purified water
- ✓ Intelligent limescale management
- ✓ Dynamization of water: restructuring & energization

SIMPLICITY :

- ✓ Placement by any professional plumber
- ✓ Standard measures (3/4 " brass fittings: outside Ø 26,4 mm - internal Ø 18 mm)
- ✓ The devices operate without electricity, without draining water and without the use of salt or chemical agents (only the filter cartridge must be replaced every 150m³ and max every year)
- ✓ Biodynamizer®: **No maintenance, no consumables**
- ✓ **In the event of a move, you take it back with you!**



CONTACTS

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Biofilter®



Biolimescaler®



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