



WILL of WATER
Official Distributor

EVOagri

SWISS MADE 



Sustainable and timely
irrigation without
chemicals



we are water

SWISS TECHNOLOGY FOR SUSTAINABLE AGRICULTURE

Global warming is affecting farmers worldwide. Growing water scarcity and the excessive use of chemicals and fertilizers are taking their toll on the soils. Many companies in the agricultural industry are looking for solutions that improve yields and sustainability.

After years of intensive research, we have developed an innovative and patented hydrolysis module that uses nanoparticles to restore the natural state of the soil – without unwanted offshoots in the soil.

It allows for a sustainable elimination of pesticides and fungicides and saves up to 20% of water. Plant protection is effectively strengthened and plant growth is maximized in the long term. In addition, saltwater can be treated for agricultural use.

With EVOagri, a step towards sustainable agriculture is taken – without having to cut back on yield!

Improved and enhanced plant growth thanks to the uniquely patented rotation and hydrolysis Evodrop method



A PATENTED WORLD FIRST

EVOagri gives water the highest bioavailability, demonstrably promotes the growth of various vegetables and fruits, and guarantees sustainable agriculture thanks to the elimination of harmful chemicals and the significant savings on fertilizers.

BENEFITS

- + Recycling of contaminated or salty water for irrigation of plants and trees
- + Allows the complete elimination of pesticides, fungicides and bactericides through the use of nanoparticles
- + Accelerates coagulation in the soil
- + Improved soil permeability through degassing of the water
- + Better infiltration and reduction of water consumption
- + Thoroughly tested by the Dartsch Scientific Institute (Prof. Dr. Peter Dartsch) and the Scientific Research Center of Medical Biophysics (Prof. Dr. Ignat Ignatov)
- + Easy installation and commissioning
- + Low maintenance and service
- + Long lifespan due to cavitation-resistant principle of operation
- + 5-year warranty on materials and workmanship



Strengthened plant growth



No need for chemical plant protection



Up to 20% water savings



Very easy to use



No soil pollution



Healthy and harmless for humans and plants



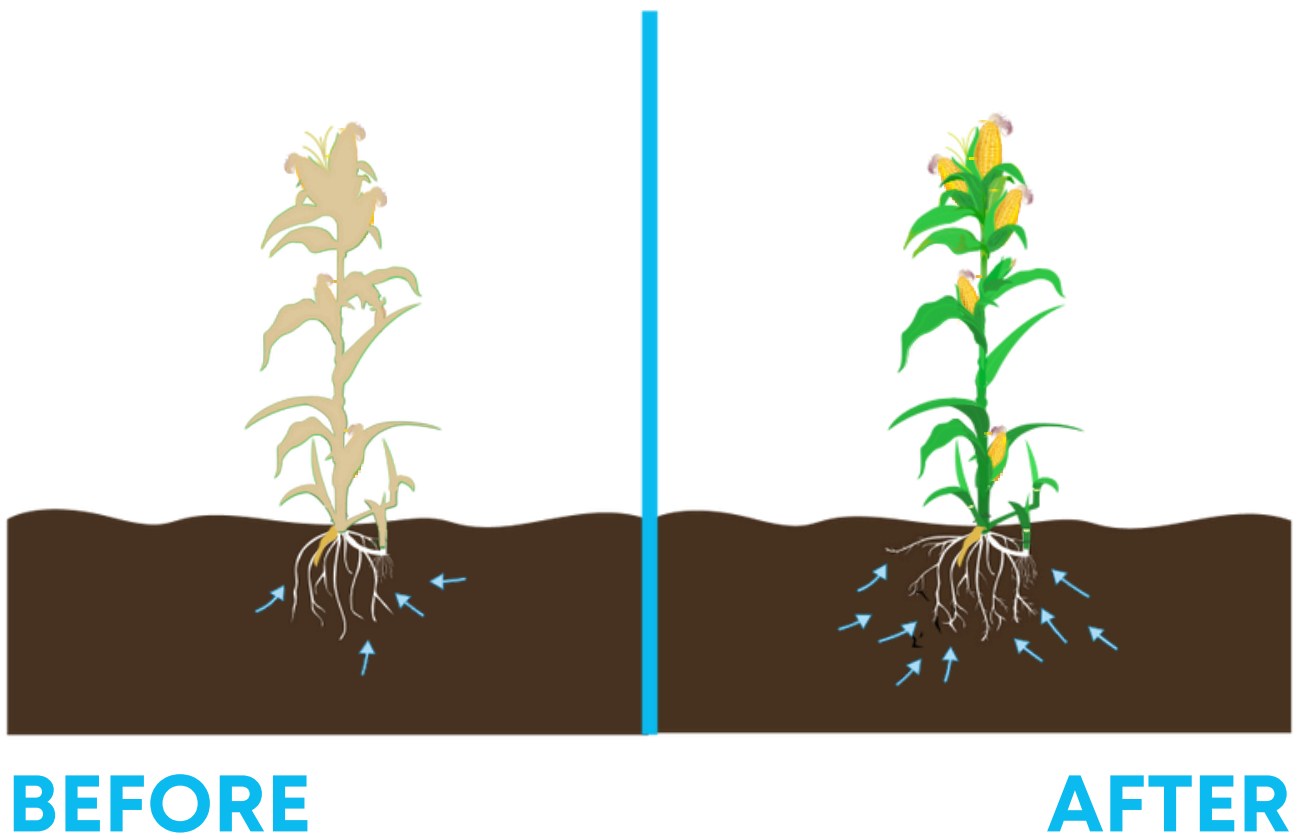
INCREASED WATER ABSORPTION

EVOagri reduces surface tension and increases water's conductivity and solubility. This enhances water penetration and retention, and improves the quality of microorganisms in the soil.

By increasing cellular water availability, it strengthens root growth, resulting in more fine root strands that can absorb water. This saves water and enhances the nutrient uptake of the plant.

The rotation process enhances the dissolution of mineral and organic material in the water. This optimizes the nutrient and fertilizer uptake by the plant, improves the plant's water absorption capacity, and enhances soil quality. This way, fertilizers are saved, and the plant becomes healthier and more resilient to pests of all kinds.

In addition, we enhance water storage in the soil, which then easily seeps into the tiny pores of the soil (capillary effect), allowing for a better root system (strengthened hair structure). As a result, eroded soils can be infiltrated again.



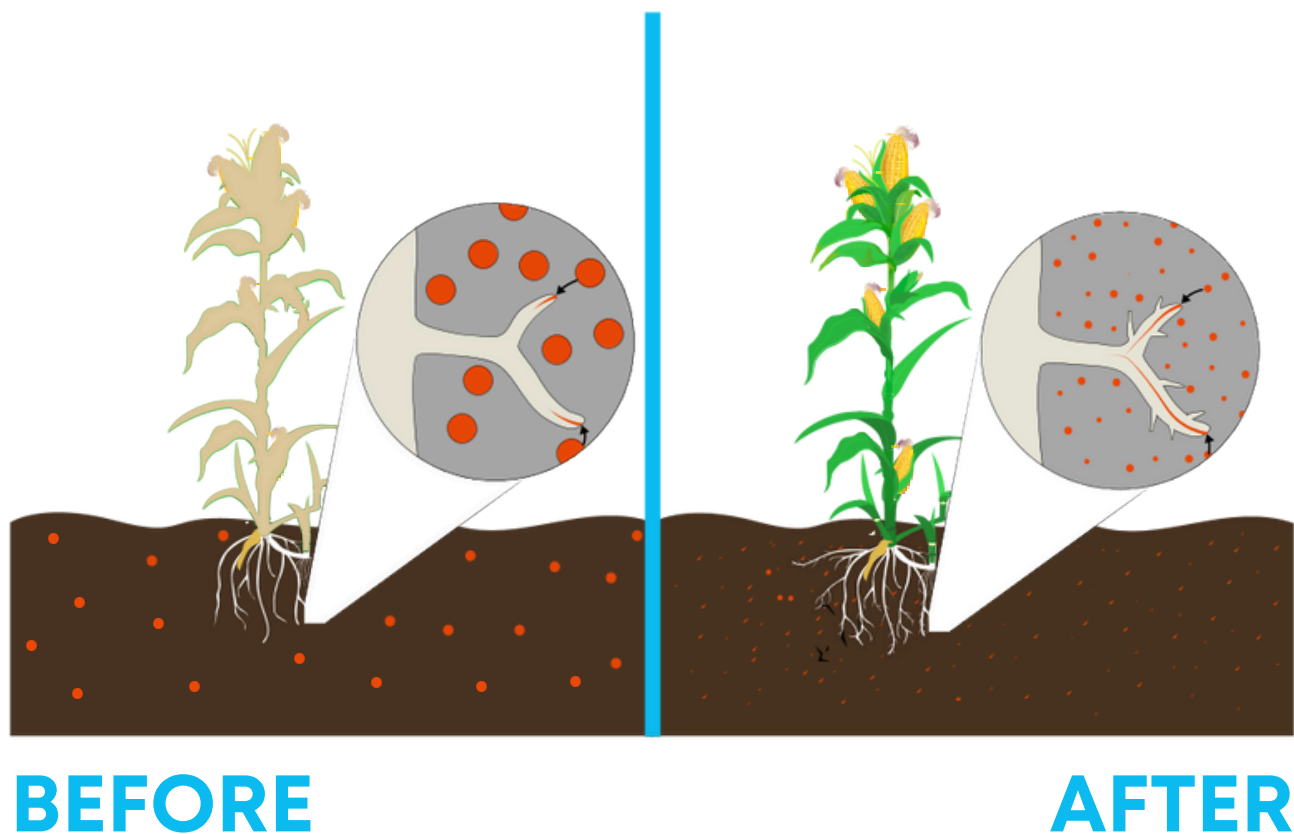
INCREASED NUTRIENT & MINERAL ABSORPTION

With EVOagri, minerals and fertilizers are better absorbed into the structural buildup of water through the rotation process. Here, too, the plant's ability to absorb substances increases.

EVOagri enables better dissolution and distribution of minerals in irrigation water. EVOagri also enhances water storage in the soil, which then easily seeps into the tiny pores of the soil (capillary effect), enabling a better root system (strengthened hair structure).

These synergies allow for a greater contact area between the roots and nutrients and a greater absorption capacity.

Improved water storage (capillary effect) and the improved root system allow us to facilitate better absorption and processing of fertilizers and minerals by the plant.



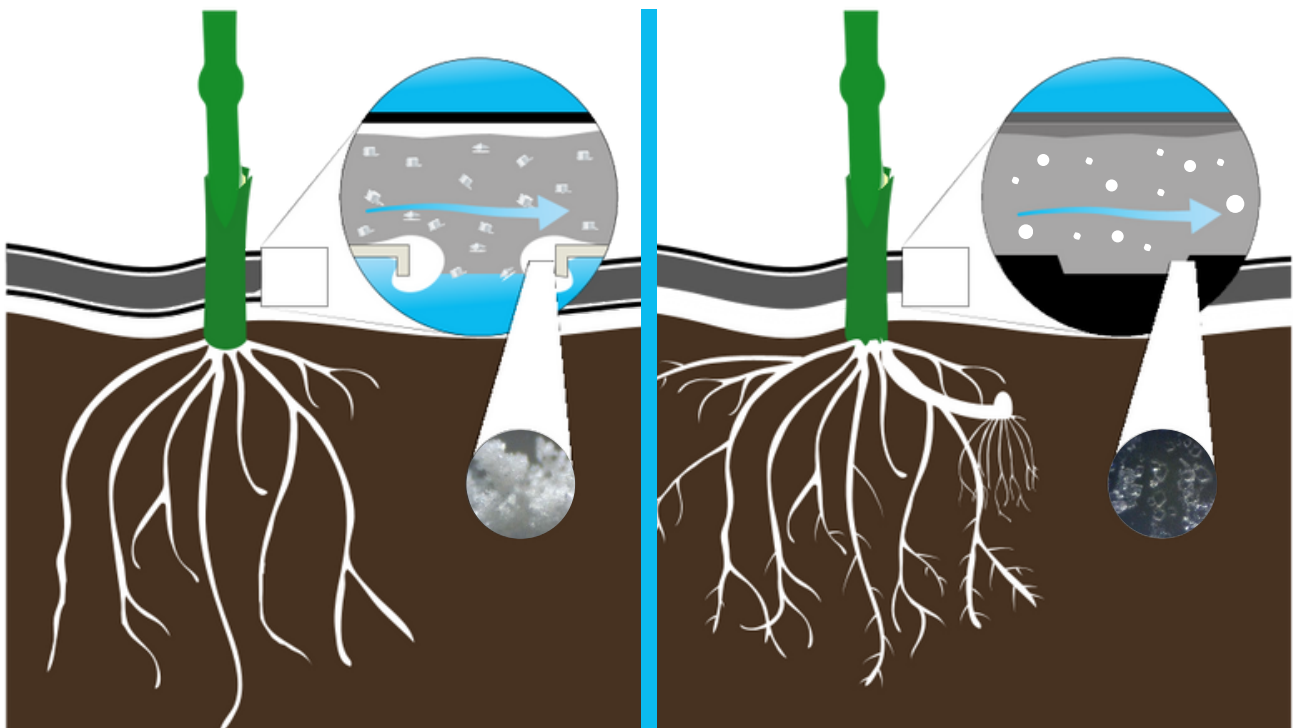
LESS LIME & NO CONTAMINATION

EVOagri provides mild lime protection, which results in less lime deposits on water-contacting surfaces. Biofilms are permanently eliminated, and further bacterial growth is completely prevented by the nanoparticles.

Blockages in drip and spray systems can be caused by mineral deposits (lime deposits, iron, and manganese deposits) or organic deposits (biofilms, algae).

Our system converts crystalline lime structures into aragonite structures. Afterward, the lime is less aggressive and can no longer settle as resiliently on water-bearing pipes and clog them. With the nanoparticles, we kill off biofilm and protect all pipelines and water-bearing devices from premature contamination in combination. This saves money and protects the system from damage caused by bacteria. Through the improved water storage (capillary effect)

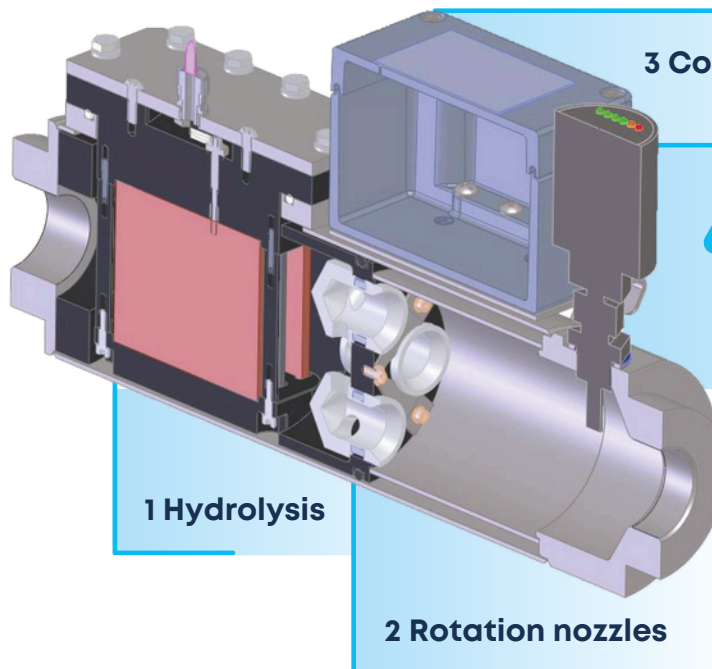
and the improved root system, we enable fertilisers and minerals to be better absorbed and processed by the plant.



BEFORE

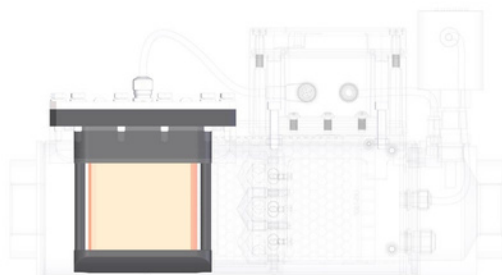
AFTER

PRINCIPLE OF OPERATION



Flow sensor

This sensor must not be touched. Please note the technical data!



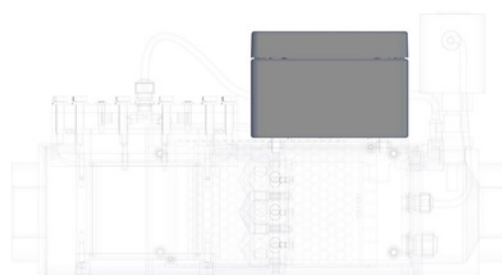
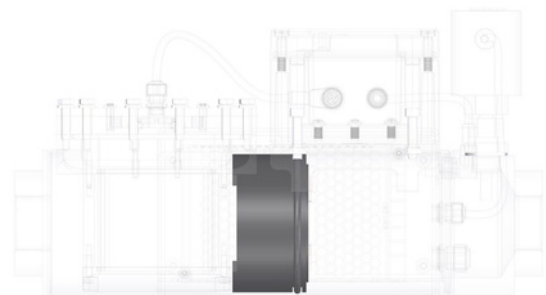
1 Hydrolysis

Specially developed and patented electrodes release natural nanoparticles into the water through hydrolysis. The release of nanoparticles varies depending on the area of application and is neither harmful to health nor the environment.

2 Rotation nozzles

Due to the resulting rotational force, a union of co-directionally oscillating water molecules begins, which is called coherence domain.

The water clusters are reduced, and the internal surface of the water is increased. The water gains in conductivity and solubility, and natural vitality.



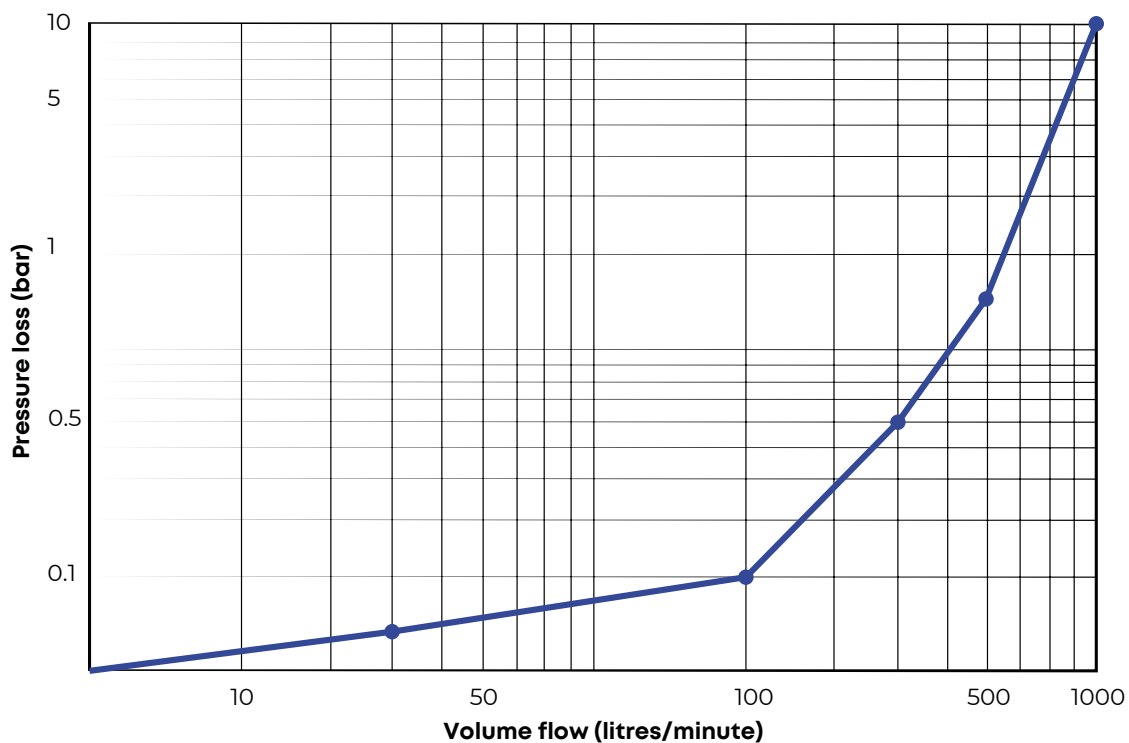
3 Control unit

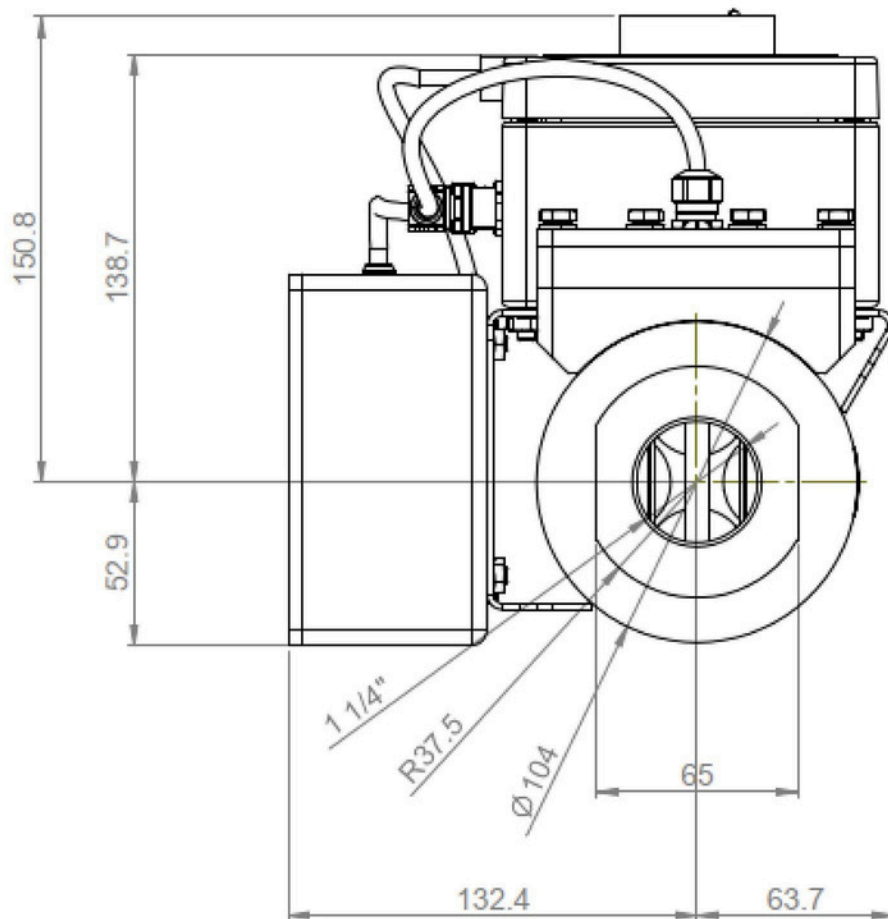
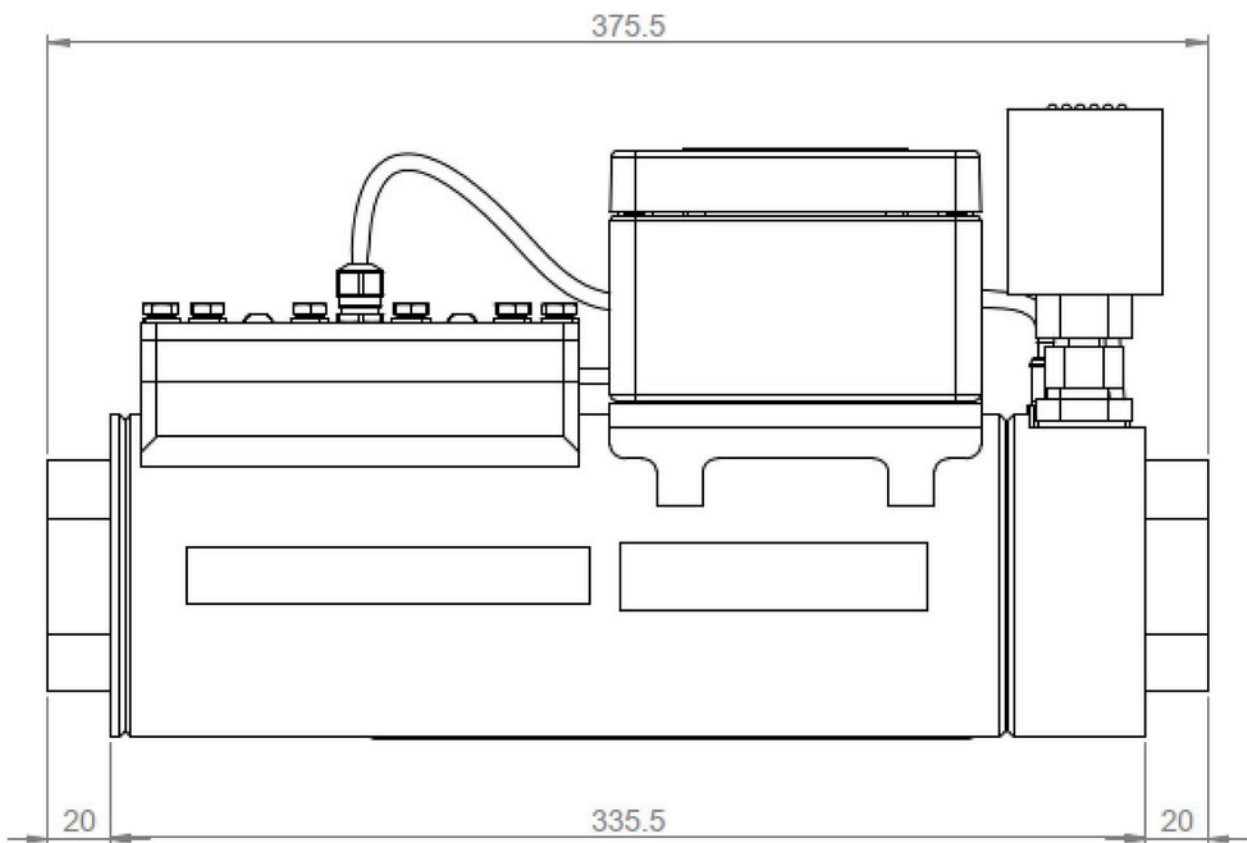
Specially developed and patented control system. Controls the hydrolysis. Depending on the application, both the control and the current are adjusted accordingly.

TECHNICAL DATA

Weight	14 kg without control and sensors
Connector	5/4 inch internal thread
Flow rate	200-300l/min
Operating pressure	For pressure conditions ≥ 4 bar, an appropriate pressure reducing valve must be used
Pressure surges	For pressure surges ≤ 16 bar, an appropriate pressure surge damper must be used
Ambient conditions	0°C – 45°C
Materials Water-bearing parts	<ul style="list-style-type: none"> · V2A / 304ss · POM-C · NBR
Operating voltage	Low voltage: 48V at max. 1.5A
Protection class	IP65
Electrode package	<ul style="list-style-type: none"> · Five-electrode silver-copper alloy · Control connection cable · Cable length: as per result, 1.5m · Connector type: M12, male, Type A
Medium Water requirements for clean operation	<ul style="list-style-type: none"> · Temperature range 10°C - 40°C · pH value 6 – 8 · Free chlorine max. 0.3 mg/l · Chloride ion concentration max. 50mg/l (Leaflet 830 Stainless steel in chloride-containing waters)"

EVOagri performance diagram





WATER TREATMENT HAS NEVER BEEN SO EASY

- 1 We provide detailed consultation and offer you a custom solution tailored to your needs.
- 2 Easy installation and instruction by one of our professional partners near you.
- 3 Service and cost-effective maintenance by our professionals.



Sustainable

Our products are especially low-maintenance and ensure a long life span.



Quality

Evodrop's technologies guarantee consistently high quality and performance.



Scientific

Our quality is backed by solid research and studies.



Ecological

We protect the environment with pure physics and by refraining from using chemicals in our products.



Swiss Made

We rely on Swiss Made and Swiss quality standards.

YOUR TRUSTED
SWISS PARTNER
FOR GUARANTEED
OPTIMAL WATER 

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Arrange your non-binding consultation appointment now and let us inspire you by phone or in person on site.

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Products by Evodrop AG

