



UVGERMI[®]
ULTRAVIOLETS DE HAUTE TECHNOLOGIE

*Specialist in
livestock farm water treatment
using ultraviolet reactors..*

● ○ ● MADE IN FRANCE

TREATMENT OF **WATER** FOR **ANIMAL CONSUMPTION**

THE SOLUTION

In some cases, strong **chlorination of the water** may be necessary. However, it is important to remember that too much chlorine can have different consequences depending on the category of livestock. There may be a link between certain **reproduction problems** in farm animals and the side effects of disinfection byproducts. The microorganisms found in raw water are destroyed by UV. Further disinfection is provided by injecting chlorine after the UV process.



THE ISSUE

Water is essential to life but is also a vector well-known for the transmission of illnesses. Appropriate herd management therefore requires careful monitoring of water supplies. Feeding livestock animals contaminated water presents a risk for their health and for the sanitary value of their produce. To prevent all zootechnical and health risks, this water must be regularly analysed and properly treated.

THE PRINCIPLE

UVc treatment creates an extremely effective "anti-bacterial barrier". It is **excellent complement** to a softening, bactericidal and biodispersant treatment.

The principle is simple: the UV radiation generated by the **UV GERMI** reactors destroy the pathogenic microorganisms in the water by causing photochemical reactions on their DNA and RNA.

An abnormal bond is created on the DNA chain of the bacteria, which thus lose their capacity to reproduce. **Cell division is no longer possible** and bacterial proliferation is interrupted.



BEFORE

Photons
UV



AFTER

Damaged
DNA chain



BENEFITS OF UVGERMI

UVGERMI

- LOW ENERGY CONSUMPTION
- LOW MAINTENANCE COSTS
- SIMPLE INSTALLATION
- MADE IN FRANCE



PROPERTIES

UV disinfection is the only barrier that is effective against **Cryptosporidium and Giardia**, protozoa found in water.

UV treatment can be combined with chlorination to implement a **double-barrier approach**. The quantity of chlorine injected is reduced and **the water tastes better** with no risk for the population.

If either treatment process is shut down, the water can continue to be supplied safely because one of the two disinfection methods will still be active.

THE RANGE



GERMICHLORE 6 (up to 6 m³/h)

- Dimensions: 460 x 980 mm
- 1 x 75 Watts
- Input-Output: 1" male screw
- Operating pressure: 3 bars
- Impulse water meter
- Power supply: 230V / 50Hz

RECOMMENDATIONS

We recommend installing **a filter of at least 25 µm**, or finer, upstream of the reactor.

Maintenance is limited to the replacement of the **UV lamp**, verification of the level of chlorine in the can and replacement or cleaning of the sleeve.

The UV lamp has a maximal service life of 9,000 hours, after which water disinfection is no longer guaranteed.





Do not hesitate to contact us
for more information on our

TREATMENT SOLUTIONS OF WATER FOR **ANIMAL CONSUMPTION**

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