

UVGERMI
ULTRAVIOLETS DE HAUTE TECHNOLOGIE

*Specialist in
private pool treatment solutions
using ultraviolet reactors.*

● ○ ● MADE IN FRANCE

TREATMENT OF **PRIVATE SWIMMING POOL WATER**

THE ISSUE

The presence of **pathogenic microorganisms** in the water presents a health risk, and the pool often smells strongly of chlorine. Ultraviolet radiation prevents the replication of the bacteria's DNA thus inactivating and destroying the pathogenic germs.

It has a powerful germicidal and virucidal effect. This makes it particularly well-suited for treating private swimming pool water and making it healthy.





NEEDS

We have created the **UVZEN** reactor to provide families with an efficient treatment solution for swimming pool water that is simple to use and affordable, ensuring total destruction of pathogenic microorganisms.

Implementation of **UVZEN** enables reduced use of chemical substances and prevents health risks for swimmers.

THE PRINCIPLE

The UV radiation generated by **UVZEN** destroys the bacteria, viruses and all the microorganisms brought into the water by swimmers, by causing a photochemical reaction with 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

- Healthy water quality
Simple to use
- Reduction of allergy risks
- No change in PH
- Prevents premature damage
to the installation

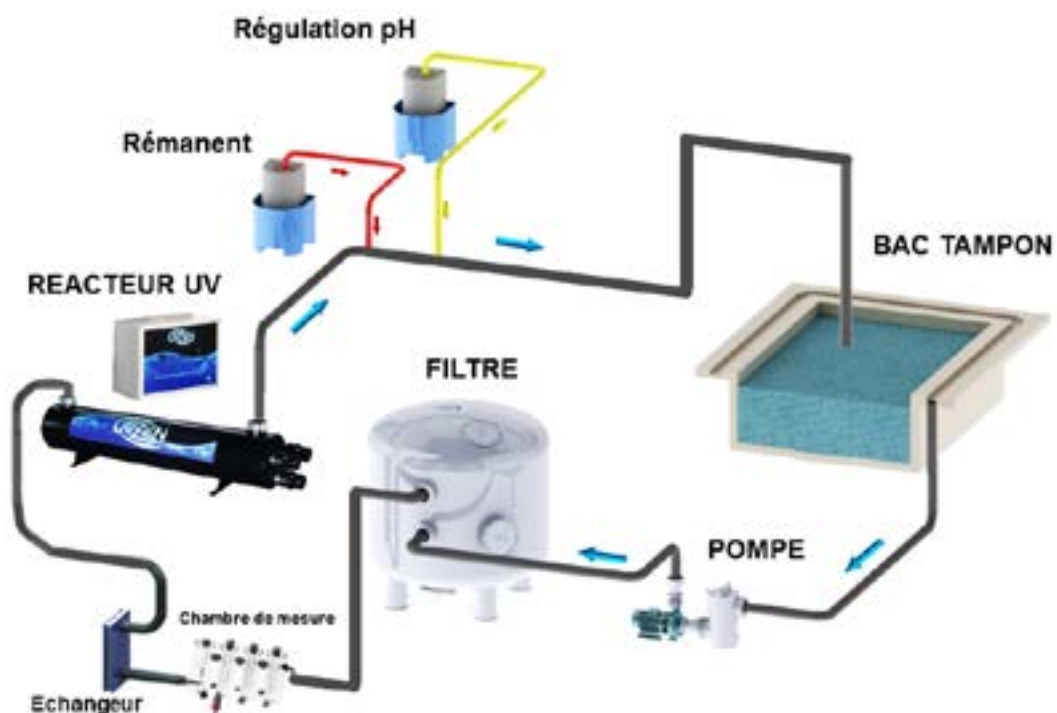
THE SOLUTION

We have used our solid experience in drinking water purification and public swimming pool water treatment to develop **UVZEN** for private pools, making public pool technology accessible to private pool owners.

DESIGNATION	NUMBER OF LAMPS POWER	Flow treated (m ³ /h)	Connection DN flange (PVC)	Reactor diameter (mm)	Power supply Frequency
UVZEN BP 75	2* 75 Watts	1 to 10	2" (DN50)	140	230 V/50 Hz
UVZEN CP 75	3* 75 Watts	10 to 20	2" (DN50)	168	230 V/50 Hz
UVZEN CD 120	3* 120 Watts	18 to 35	2" (DN50)	168	230 V/50 Hz



The **UVZEN** reactor is easy to maintain, simply requiring replacement of lamps every 9,000 hours (or once a year). Clean the quartz sleeve with a mild acid when replacing the lamp. The significant reduction in chemical substances prevents premature damage to your installation.



Do not hesitate to contact us
for more information on our

WATER TREATMENT SOLUTIONS FOR **PRIVATE SWIMMING POOLS**



UVGERMI
ULTRAVIOLETS DE HAUTE TECHNOLOGIE

UVGERMI SA, ZAC de la Nau, | **Tél.** + 33 (0)555881888 // **Fax** : + 33 (0)555881816
19240 Saint-Viance, FRANCE | **Mail** : contact@uvgermi.fr // www.uvgermi.fr

BANK: BP. AQUITAINE CENTRE ATLANTIQUE FR76 1090 7005 5644 2214 3140 629 /
BIC: CCBPFRPPBDX/SIRET: 519 114 235 00012 CODE/APE 2829 B/EEC VAT: FR 54 519 114 235