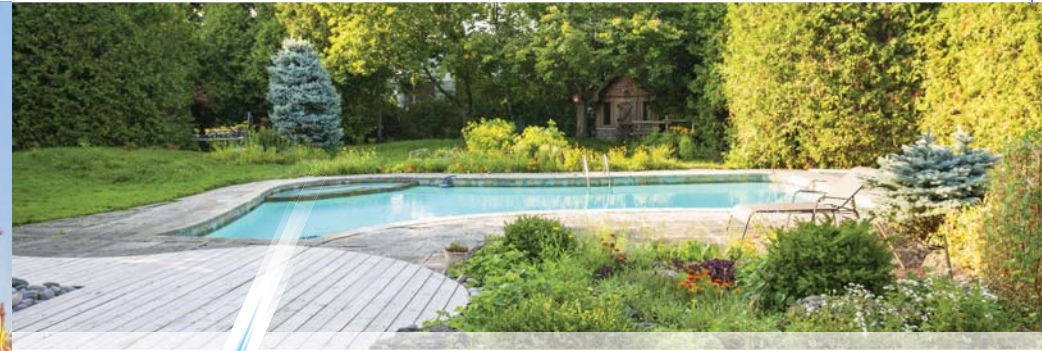


Feel free to contact us for more information about our

## PRIVATE SWIMMING POOLS TREATMENT SOLUTIONS



**UVGERMI**  
ULTRAVIOLET HIGH TECHNOLOGY

*The specialist of private swimming pools treatment through ultraviolet reactors.*

●○● MADE IN FRANCE

## PRIVATE SWIMMING POOL TREATMENT SOLUTION

### THE ISSUE

The presence in water of **pathogenic microorganisms** poses a risk to human health, and often strong chlorine odours are released from the basin. Ultraviolets have the property of blocking the DNA duplication of bacteria and thus inactivating and destroying pathogenic germs.

They have a strong germicidal and virucidal power. They are particularly well adapted to the water treatment of private pools.





## THE PRINCIPLE

The ultraviolet rays generated by **UVZEN** destroy bacteria, viruses and all micro-organisms present in the water of private pools brought by swimmers, causing photochemical reactions to their DNA and RNA.

An abnormal contact is created on the bacterium's DNA chain, which loses its reproductive capacity. Cell division is no longer possible, bacterial proliferation is stopped.

## THE SOLUTION

Based on our experience in water potabilisation and public pool treatment, we have designed **UVZEN** range for family pools by making this technology accessible to the private pool owners.

DESIGNATION	NUMBER OF LAMPS & POWER	FLOW RATE (m <sup>3</sup> /h) (T=98%) (60 mJ/cm <sup>2</sup> ) (30 mJ/cm <sup>2</sup> )		DN FLANGE (PVC)	REACTOR DIAMETER (mm)	POWER SUPPLY
UVZEN BP 75	2*75 Watts	6.7	13.5	2" (DN50)	140	230 V/50 Hz
UVZEN CP 75	3*75 Watts	13.8	27.7	2" (DN50)	168	230 V/50 Hz
UVZEN CD 120	3*120 Watts	21.3	42.7	2" (DN50)	168	230 V/50 Hz

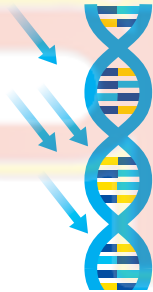
## NEEDS

We have created the **UVZEN** reactors to provide an efficient, easy-to-use and affordable water treatment for private pools in order to completely destroy pathogenic micro-organisms.

The implementation of **UVZEN** reduces the use of chemicals, thus preventing any risk to swimmers health.

### BEFORE

UV photons



### AFTER

Damaged DNA sequence



The maintenance of the **UVZEN** reactor is simple and limited to lamps replacement every 9000h (or once a year). The quartz sleeves should be cleaned with a soft acid when the lamp is changed. The high reduction in chemicals removes premature degradation of your device.

## UV GERMI'S PROS

- Simple use
- Reduction of risk to allergy
- No pH variation
- Avoids premature degradation of facilities

