

# The Fourth Phase of Water - STRUCTURE WATER FOR POOLS AND SPAS



POOLTIGER EUROPE

**POOL TIGER ALLOWS YOU TO ENJOY  
YOUR POOL WITH MAXIMUM DISINFECTION,  
THE MINIMUM COST AND TOTAL  
ECOLOGICAL RESPECT.**



### Sanitizer

The original Pool Tiger sanitized water with the heat from the hydrodynamic Cavitation (HC) process. Now a proprietary additive in the thermoplastic component has doubled Pool Tiger's sanitizing capacity-killing more than 99% of bacteria and other contaminants. Cuts chlorine use by up to 90% and pays for itself within 2-3 years!!



### Clarifier

In a typical pool there are millions of tiny particles too small to be captured by the filter.

Pool Tiger imparts a negative charge to these particles which causes them to attract one another and form agglomerations large enough to be easily captured by the filter. Makes water crystal clear!!!



### Cyanuric Acid and chloramines controller

A stabilizer for chlorine, cyanuric acid accumulates and mask the sanitizing effects of chlorine so ever-increasing amounts are required. Fortunately, the heat from Pool Tiger's HC process gradually destroys excess levels of this acid and also Combined chlorine and chloramines. Cuts chlorine use and eliminates the need to drain pools and spas!!



### Protector and cleaner

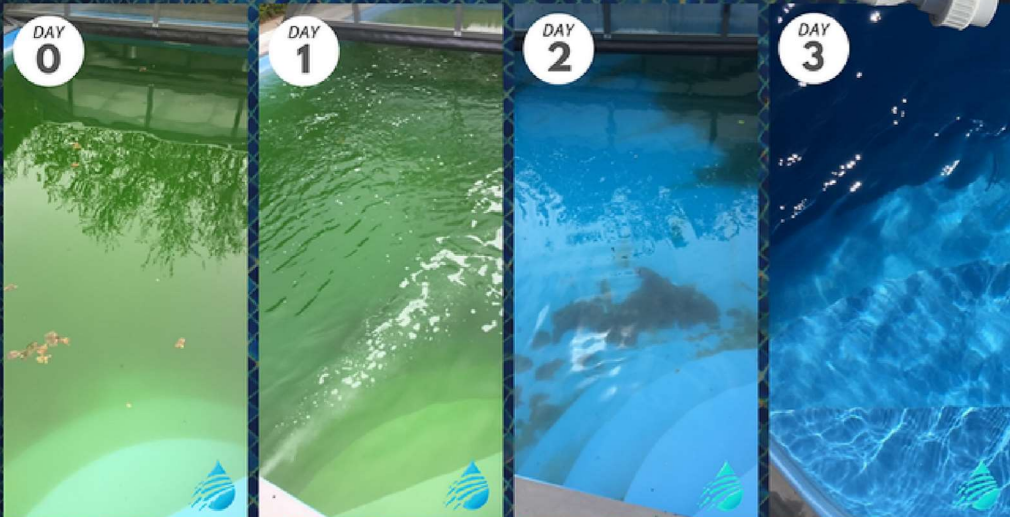
The structure water produced by Pool Tiger & Spa Tiger protects bathers from absorbing chemicals and germs present in the water. It protects pool and spa Surfaces, pipes, equipment and accessories from scale and biofilm. When retrofitted onto existing pools and spas, structure water also cleans away existing buildup. Creates a healthier bathing experience and extends equipment life!!





# POOL TIGER

DAY-BY-DAY WORK STAGES OF POOL TIGER

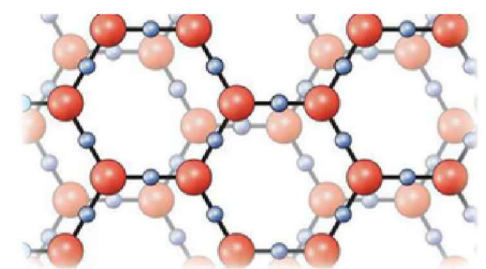


**Before using Pool Tiger**  
Removing the pool cover after the winter. The pool water is misscolored, full of algae and smells bad.

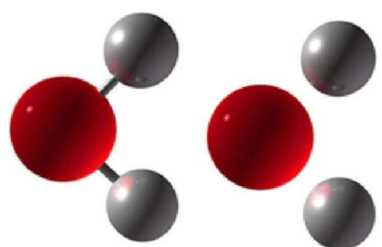
**First day with Pool Tiger**  
We could now see a big difference in the clarity of the water. Minimal dose of chlorine is now added.

**Pool Tiger after 48 h**  
Big chunks of dirt and the misscoloring of the water is disappearing, and the water is clearing up nicely.

**Pool Tiger after 72 h**  
Water is now crystal clear and smells good. The usage of chlorine is now reduced with up to 75%.



Structured Water - sheets of hexagonal cells



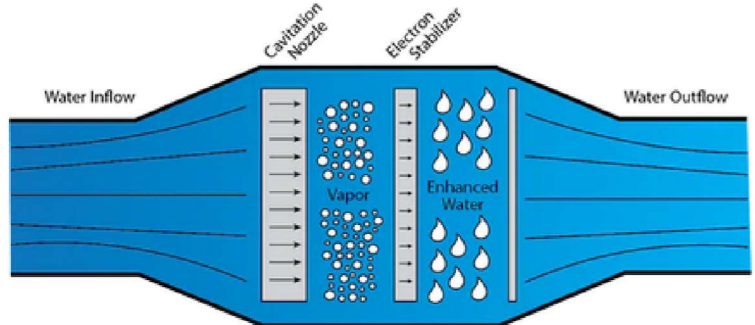
Cavitation causes hydrogen and oxygen atoms to temporarily dissociate

## CHANGES TO EXPECT WHEN RETROFITTING A POOL TIGER

Every pool is unique due to variations in source water, usage, pool design & construction, equipment, foliage, water treatment methods, weather, location, age and so on. As such, it is impossible to make precise predictions as to how the water in a particular pool will be affected by a Pool Tiger. However, the following is offered as a general guideline.

- Water becomes crystal clear...3-7 days
- Heavy metal particles removed...1-2 weeks
- Need to brush pool walls diminishes...2-4 weeks
- Better contaminant control allows for chlorine reduction...3-6 weeks
- Low pH begins to gradually increase...3-6 weeks
- Cyanuric acid level begins to gradually decrease...3-6 weeks
- Percentage of free available chlorine gradually increases...4-8 weeks
- Existing scale begins to loosen - concrete and vinyl...6-10 weeks
- Existing scale shows signs of removal - fiberglass...2-6 months

Note: For best results on fiberglass pools, it's best to install Pool Tiger when the pool is new to prevent the occurrence of scale.



# Structure water

A natural phenomenon that occurs in response to extremes of temperature - in very low it solidifies and becomes ice. In very high temperatures it remains liquid.

Unlike ordinary water molecules, which group together in random and irregular shapes, structure water molecules arrange themselves in sheets of highly-ordered hexagonal cells.



## Two key properties

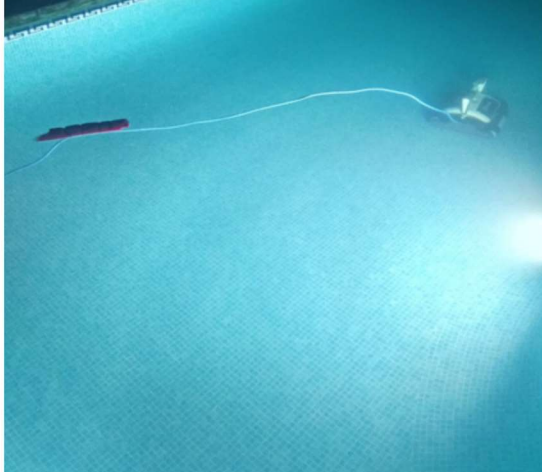
1. Highly Exclusionary - it excludes any material that isn't structure water - this is why icebergs, which form in salt water oceans, contain no salt.
2. Hydrophilic - in liquid form it tends to collect at hydrophilic surfaces like pool walls and floors where it forms a barrier that helps to prevent the formation of scales and biofilm.

## Hydrodynamic cavitation

In our devices, structure water is created as a result of hydrodynamic Cavitation (HC), a natural process characterized by the formation of vapor bubbles due to pressure differentials in the water.

The collapse of these vapor bubbles produces extreme heat and intensive shock waves which cause the components of nearby water molecules - oxygen and hydrogen atoms - to disassociate.

As the water cools, these atoms quickly re-associate to form sheets of the highly-ordered hexagonal cells of structure water.





100% Natural Process – no electricity or Chemicals

Environmentally friendly



Kills Bacteria\*, Algae, viruses & parasites

Reduces chlorine/bromine use buy up to 85%



Balances PH and control acids

Reduces risk of disease



Eliminates suspended particles

Maximizes water clarity and reduces build up on pool walls



Activated by flowing water driven by the pool pump

Cost nothing to operate



Requires no maintenance, assembly or replacement parts

Completely hassle-free  
• Including legionella, which expires at 70°C

## A Healthier Swimming Environment

In a Pool Tiger pool or Spa Tiger Spa the structure water produced by these devices will envelop the bather and form an exclusionary barrier that protects against the absorption of chemicals.

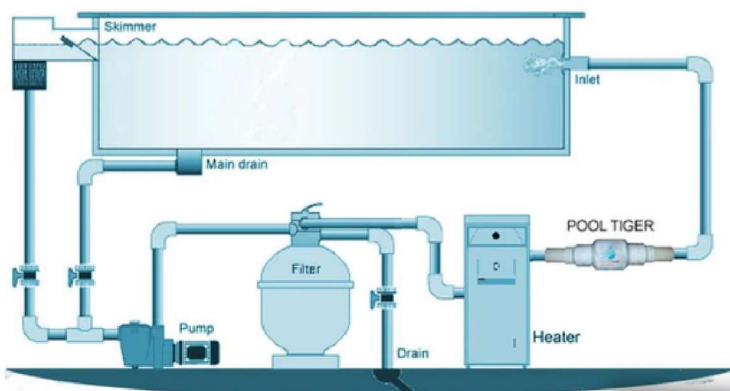
## Easier Maintenance

Structure water virtually eliminates the drudgery of brushing pool and spa walls because it provides an exclusionary barrier that repels the minerals that form scales as well as the germs and organic debris known as biofilm.

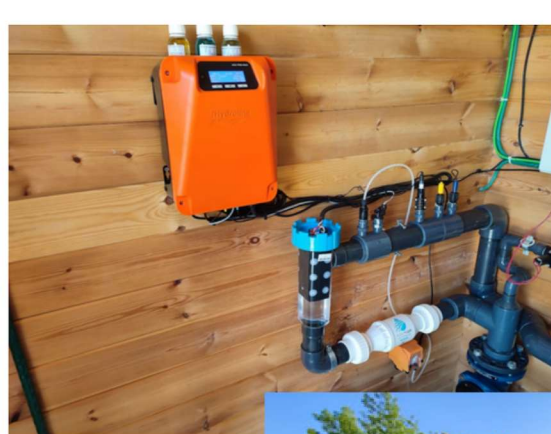
## Fiberglass and Liner Protection

Structure water produced by Pool Tiger forms an exclusionary barrier at pool surfaces that helps to protect against the whitening which can sometimes be an issue with fiberglass pools or Liner pools.

## Easy installation



On new pools, the Pool Tiger should be installed last on the return line. On existing pools with a heater, it should be installed before the heater on the return line. If the return line is too short to install the Pool Tiger in line, use 8 elbow fittings and extra PVC to create a loop. Pool Tiger can be installed horizontally, vertically or diagonally.



Reduces maintenance costs and avoids water turbidity.

Protects surfaces from scale and staining

Require no electricity.

Increase the cell life of your salt chlorinator by more than 4 years, as you will lower the chlorine production.



Eliminates all traces of bodily wastes and toxic organic compounds

Creates cleaner, healthier water



Breaks down algae cell walls

Prevents regeneration



Infuses water with negative ions

Virtually eliminates chlorine/bromine odor  
Gently scrubs pool surfaces & forms a protective barrier



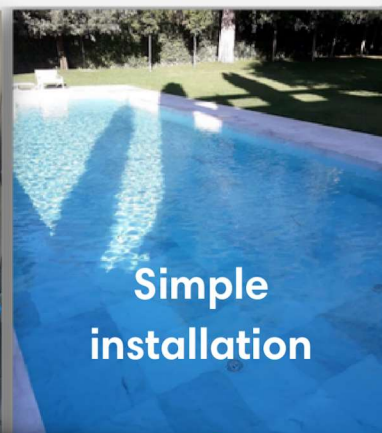
Reduces liability for outbreaks of disease

Exceeds "reasonable person" requirements

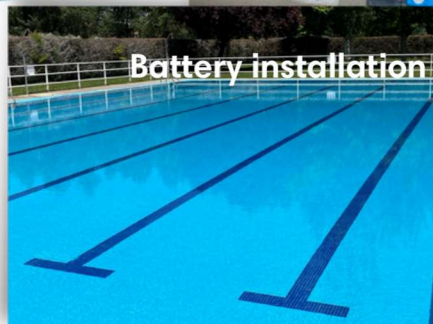


Carries a 5 years non prorated warranty

Top all other purifiers.



## Battery installation





# POOLTIGER PRODUCT LINE

POOLTIGER EUROPE



Models Pool Tiger	Connections $\varnothing$		Flow Min - Max	Weight	Diameter	Length
Spa Tiger	32		0,5 - 3m <sup>3</sup> /h	500 Grms	7 cm $\varnothing$	23 cm
Pool Tiger Residential 21m <sup>3</sup> /h	50	63	4 - 21 m <sup>3</sup> /h	2 kg	10 cm $\varnothing$	44 cm
Pool Tiger commercial 57m <sup>3</sup> /h		63	6 - 57m <sup>3</sup> /h	3,5 kg	13 cm $\varnothing$	49 cm

## POOLTIGER FIGURES



More 150.000 units installed in USA and more than 4000 units only in Europe



100% customers satisfaction.

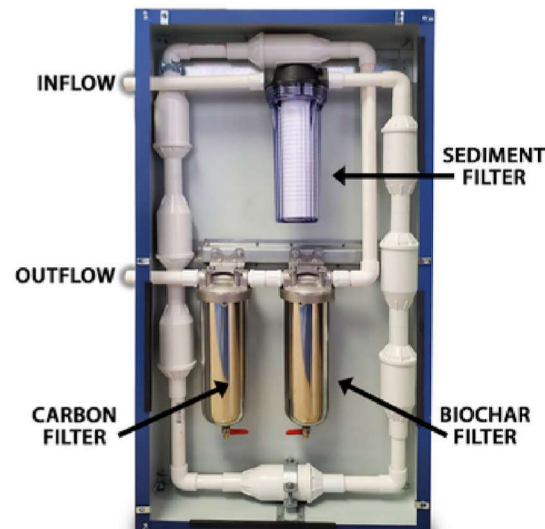


## POOLTIGER REFERENCES

- Agrupación Pinar de Chamartín, Madrid 4 commercial pools, Madrid
- Public Pools from Monteagudo de las vicarias, Soria Spain
- Caribe 4, Madrid Commercial pool in Arturo Soria
- More than 400 units installed around Spain
- Parque Lisboa, recommendation letter. Olympic Pool.

## Corban home water system

A water purification system for residences and businesses utilizing the same hydrodynamic Cavitation technology found in our Pool Tiger Product line.



### Letter of Recommendation Pool Tiger Equipment.

Client: Parque Lisboa Homeowners Association. Social Sports Club.

Olympic swimming pool of 1250 m<sup>2</sup> and 2125 m<sup>3</sup>.

Treatment: Sodium hypochlorite.

Installation of 2 Commercial Pool Tigers of 57m<sup>3</sup>/hour in By-pass.

President: Luis Miguel Nieto

To whom it may concern,

I recommend the Pool Tiger equipment for the improvement of the water quality, which was crystal clear all summer, as well as for the improvement of the maintenance of the pool and the health of the swimmers.

Since the Pool Tiger was installed, we have noticed a noticeable improvement in the water quality, which was much clearer, and the chlorine smell disappeared. The pool surfaces were much cleaner, and the creams were not noticeable.

In general, the feeling of the swimmers has been very satisfactory, and we are preparing to install it in the other 3 pools that we have in the Parque Lisboa sports center.

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