

# Pool Tiger

The most innovative and efficient technology to purify water in a 100% natural way, through hydrodynamic cavitation.



**asofap**  
ASOCIACIÓN ESPAÑOLA  
DE PROFESIONALES  
DEL SECTOR PISCINAS



# Innovation Awards



## Baeza Award 2024 to "Best Product Innovation"

Pool Tiger has been recognised as the "Best Product Innovation" during the Piscina Spain event. This award highlights excellence and technological innovation in the water treatment sector.

## Finalist in the award of "Innovative Product for Sustainability" at Piscinas & Wellness Barcelona 2024

In addition, Pool Tiger is a finalist in the "Innovative Product Award for Sustainability" at the Piscinas & Wellness event, underlining its commitment to sustainability in the sector. Pool Tiger's unique technology optimises water quality efficiently and sustainably.



8-10 OCT 2024  
Málaga - FYCMA

PREMIO Baeza

MEJOR INNOVACIÓN DE PRODUCTO

# WINNER



#PiscinaSpain2024

INNOVATIVE PRODUCT AWARD  
**FOR SUSTAINABILITY**  
FINALIST



**PISCINA  
& WELLNESS  
BARCELONA**

Global Aquatic Exhibition

# History

Originally developed for the oil industry with a budget of 20 million euros to clean waste water from drilling.



**2015**

After 15 years of study and development, inventor Gary Powell begins to commercialize the technology.



**2016**

Polar Vortex, a device designed to increase snow production, is launched on the market.



**2017**

Pool Tiger, an innovative device for purifying pool water, is launched.



**In development**

Drinking water purification projects and limestone removal devices in cooling towers.



# Pool Tiger

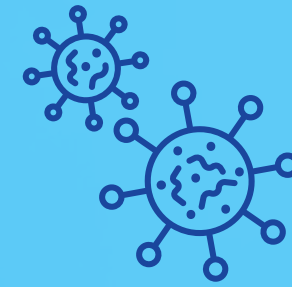
## Features and benefits



### Process 100% natural

It does not use electricity or chemicals.

Environmentally friendly.



### Eliminates contaminants

Kills bacteria, algae, viruses and parasites, including legionella, which dies at temperatures above 70°C.



### Reduction of chemicals

Reduces the use of chlorine and bromine by up to 85%, keeping the water crystal clear and healthy.



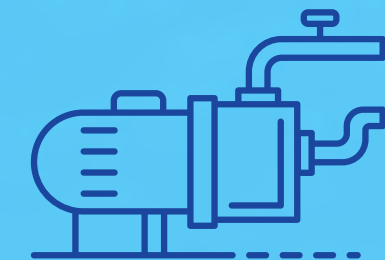
### pH balance

Controls acids and reduces the risk of disease and the need to use additional acids.



### Crystal clear water

Eliminates suspended particles, maximizing clarity and reducing deposits on walls.



### Efficient operation

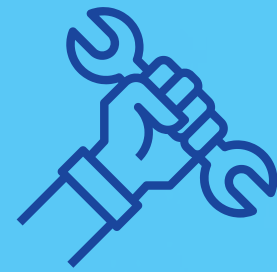
It works when the pump is running.

It does not generate an increase in electricity costs.



# Pool Tiger

## Features and benefits



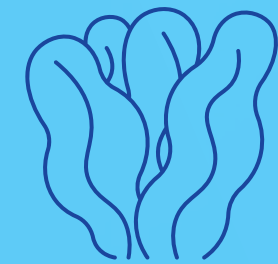
### Zero maintenance

No assembly, maintenance or replacement of parts required.



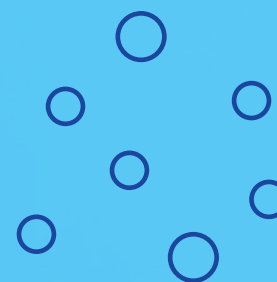
### Eliminate waste

Eliminates bodily waste and organic compounds, virtually reducing chlorine and bromine odors.



### Algae prevention

It breaks down the cell walls of algae and prevents their generation.



### Prevents limescale build-up

Prevents and eliminates scale, and acts as a flocculant, clarifying the water by removing suspended particles.



### Health and wellness

Reduces the risk of disease, improves mood, and hydrates and protects your eyes and skin.



### Eliminates isocyanuric acid

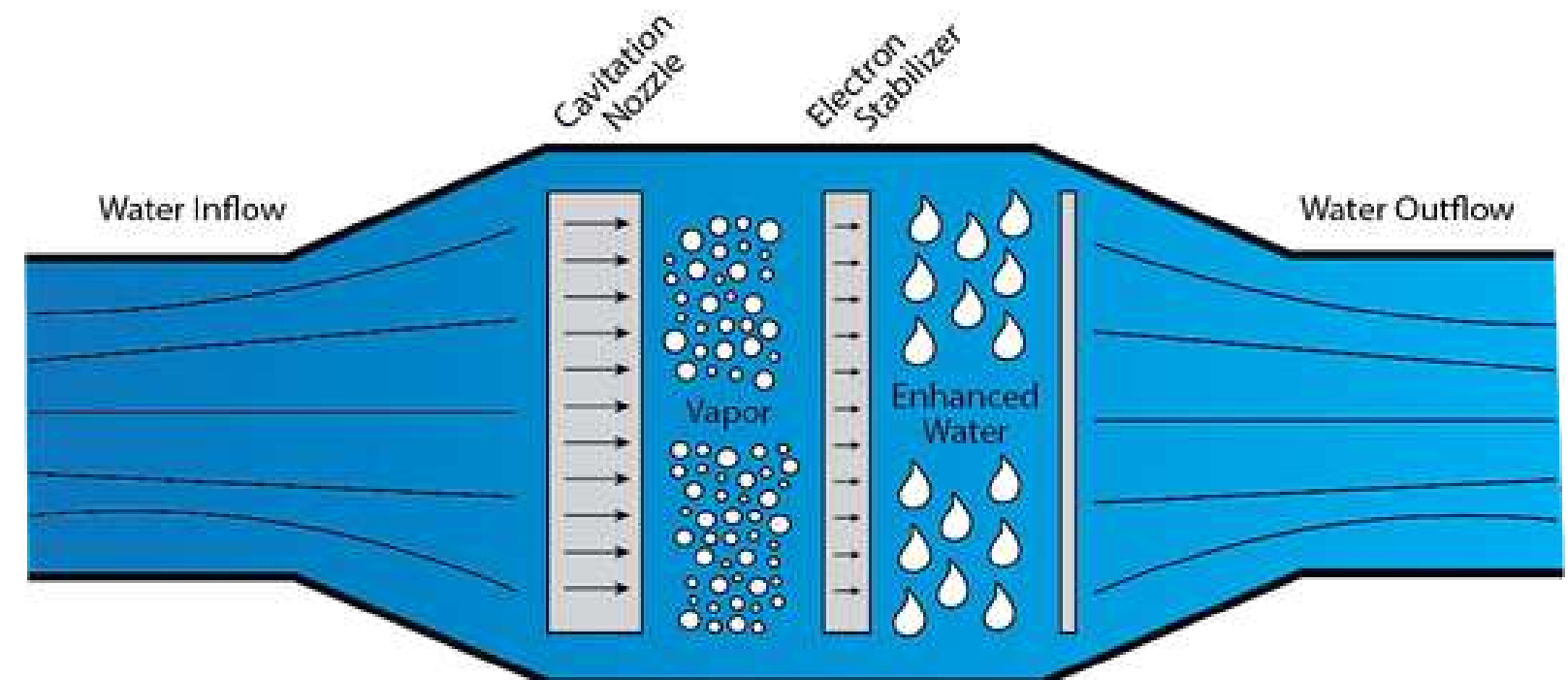
Gradually reduces isocyanuric acid, preventing water renewal due to saturation.

# Hydrodynamic Cavitation

## How does Pool Tiger work?

Part of the water that enters the chamber and is channeled through patented nozzles experiences pressure differences that convert the water into water vapor, releasing a huge amount of energy and leaving a heat signature of more than 200 degrees.

At the nozzle exit, the vapor bubbles return to the liquid state. This instantaneous double conversion creates a thermal signature and a harmonic signature.

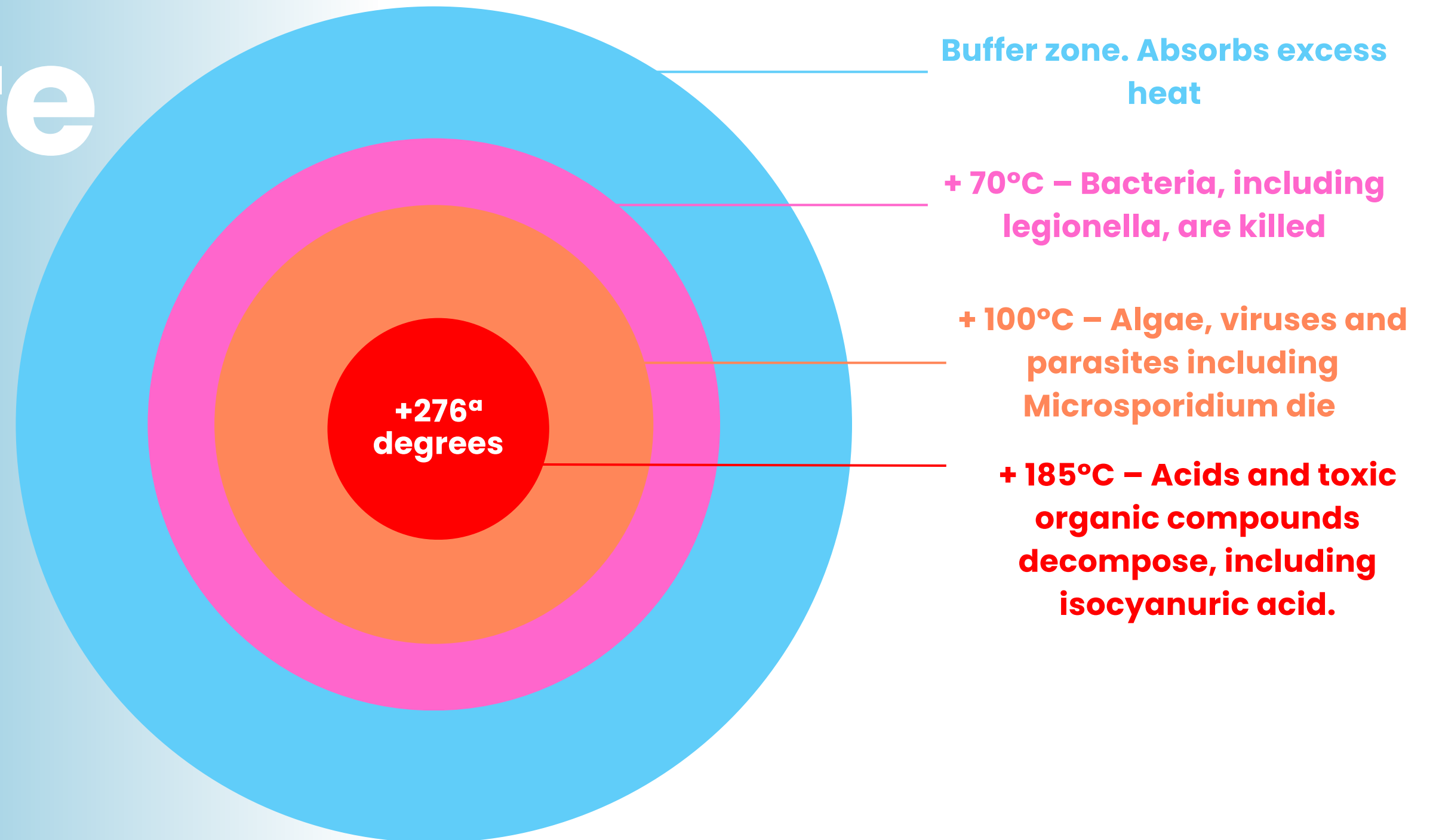


# Heat signature

## Dissipation stratum

Pool Tiger is designed with a specific ratio of nozzles in the chamber to remove contaminants, control acids and remove toxic compounds without affecting pool temperature.

Its catalytic process (VICR) generates steam bubbles that release energy, breaking down impurities and microorganisms, and balancing the pH of the water without the need for chemicals, guaranteeing a safe environment for bathers.



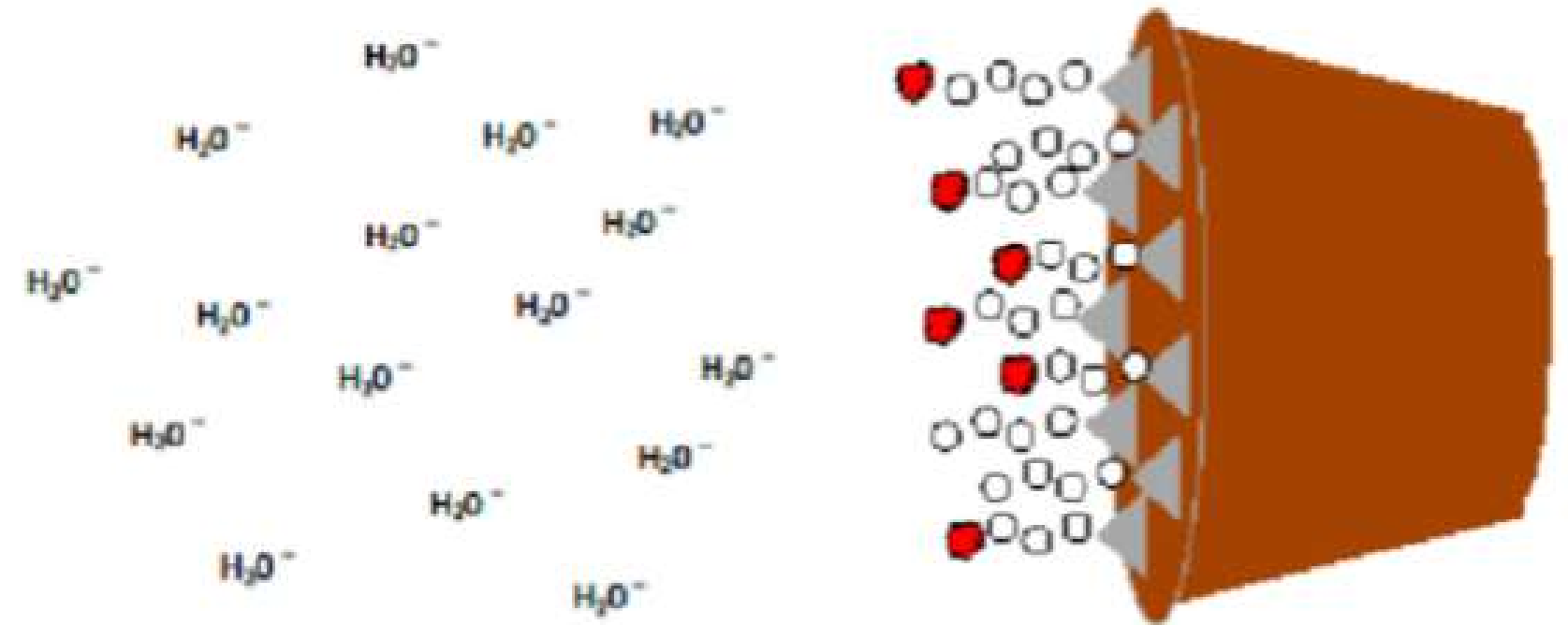


# Negative ion cavitation

The rapid formation and then collapse of water vapor bubbles create heat, but they also charge the molecules negatively.

These molecules, called "negative ions," are highly kinetic.

This negative charge is similar to that created by a chemical flocculant, but in this case it is generated physically.



Cavitation infuses water with negative ions. This process also imparts a negative charge to suspended particles.



# Negative Ions ( $\text{H}_2\text{O}^-$ ) = Healthy

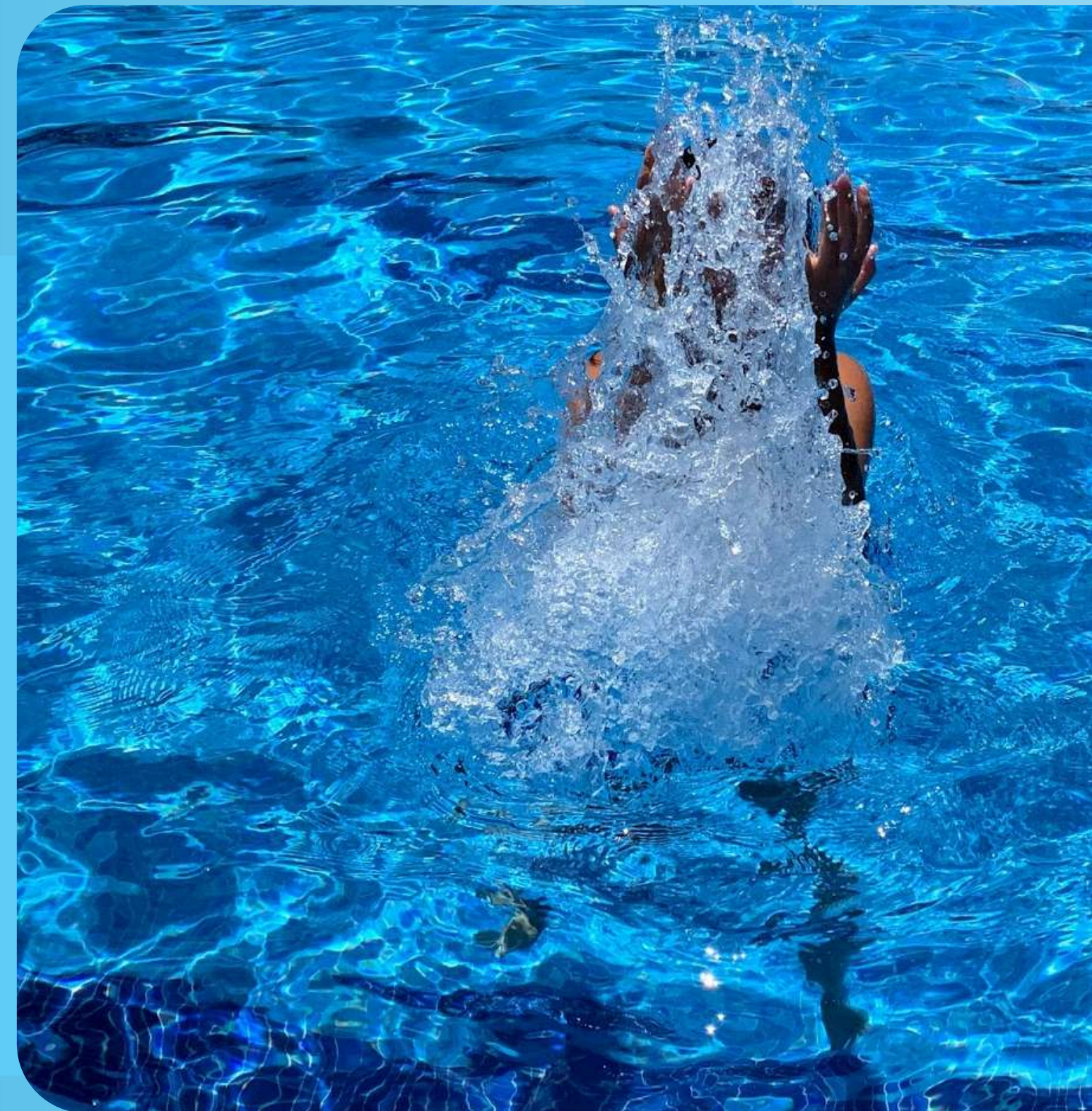
Swimming in a pool equipped with the Pool Tiger creates a feeling of well-being.

## Benefits for the body

- **Natural hydration:** It is easily absorbed, keeping the skin hydrated and protected, preventing the absorption of chemicals.
- **Gentle exfoliation:** Acts as a natural exfoliant.
- **Serotonin stimulation:** Triggers serotonin production, improving mood, energy levels, concentration, sleep, digestion and organic functions.

## Benefits for the pool

**Negative ions not only improve the well-being of swimmers, they also clean and protect the pool.**



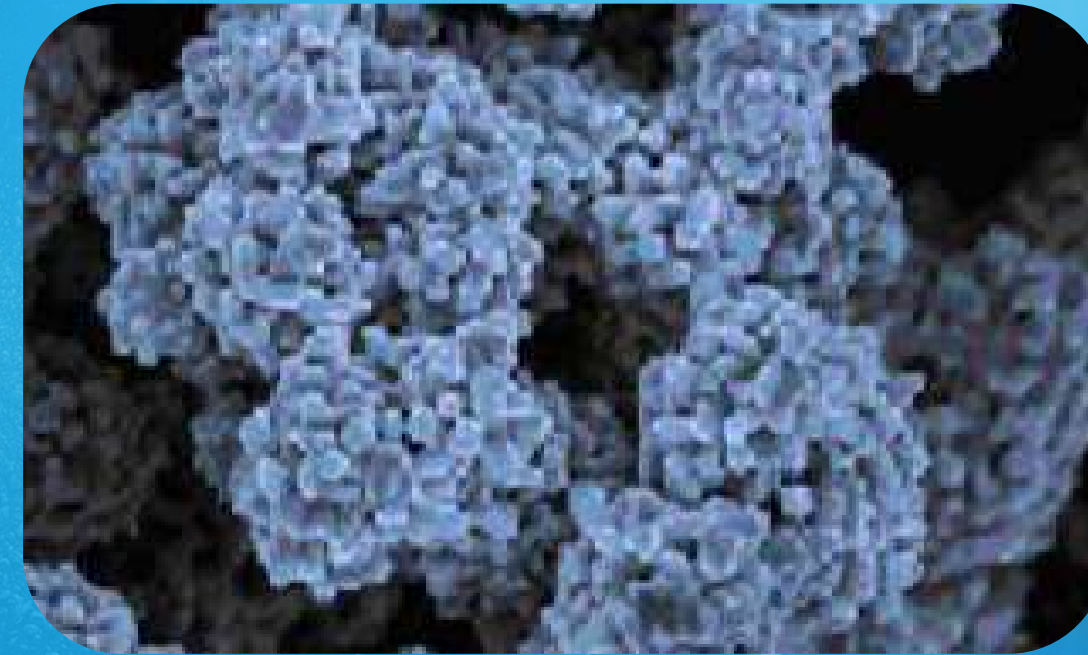


# Flocculant effect



## **Suspended particles**

Increases water turbidity Accumulates sediment on pool walls



## **Agglomeration**

**Most particles are too small to be captured by the filter.**

**Assigning a negative charge to the particles causes them to clump together. Once the clump has reached a size sufficient for the filter, it is immediately captured.**

**Removal of suspended particles = Crystal clear waters**



# How do negative ions clean and protect pool surfaces?

## Cleaning

- Water molecules charged with negative ions are highly active and are used to gently remove deposits on the pool walls. They are also able to penetrate new build-ups of particles, mineral salts (limescale) and algae, to remove lime and dirt deposits from the pool walls. These properties greatly reduce the need to brush the walls of your pool.

## Protection

- In outdoor pools, negative ions build up on the pool walls and form a highly ordered water state called the exclusion zone. The exclusion zone (EZ) repels floating particles, salts and minerals and even algae.



The image is a YouTube video thumbnail for Pool Tiger. At the top left is the Pool Tiger logo, a blue water drop with a white tiger silhouette. To its right is the text "Pool Tiger Evita Incrustaciones Calcáreas". The main title of the video is "Eliminación de Incrustaciones Calcáreas". Below the title is an image of a white Pool Tiger device. The text in the thumbnail reads: "En este video, de nuestro cliente @equiclor, vemos como después de estar 5 días el funcionando el #pooltiger la cal se desprende de la pared con un simple cepillado muy fácilmente!". A red YouTube play button is overlaid on the text. Below the text is the Pool Tiger logo and the text "POOLTIGER EUROPE". At the bottom left, it says "Watch on YouTube". At the top right, there is a "Share" button with a white arrow icon.



## PoolTiger Installation Tips

- PoolTiger does not require an electrical connection.
- Installs quickly (15 minutes on average, depending on the site).
- As soon as the device is installed, it is ready to use.
- It should be installed last, just before the pool water return flow.
- Works in all positions (horizontal, inclined, vertical, ...).
- As soon as the water pump is running and water is flowing, PoolTiger is working.
- 2 models: 21m<sup>3</sup>/h and 57m<sup>3</sup>/h and installation in 50 or 63 mm pipe.
- The pressure drop is between 2 and 4% of the flow rate.

## Steps to follow

- Stop the leak.
- Make sure the pipes are drained before starting the installation
- Place the PoolTiger in the installation. It is the last device before the water returns to the pool,
- Check that it is positioned in the correct direction, the blue arrow on PoolTiger indicates the direction of water flow.
- Thoroughly clean the pipes and joints with a detergent.
- Use PVC glue to assemble the pipes to the joints.
- When the glue is dry, turn on the water pump to check for leaks.

Before



After



## Install your Pool Tiger in less than 30 min!





# Dimensions

**Pool Tiger 21:** 50/63  
**Pool Tiger 57:** 50/63

**Pool Tiger 21:** 10 cm  
**Pool Tiger 57:** 13 cm



## Weight

**Pool Tiger 21:** 2 Kg  
**Pool Tiger 57:** 3,5 kg

**Pool Tiger 21:** 44cm  
**Pool Tiger 57:** 49 cm

# Spectacular results with a simple installation

Recovers the water  
in just 72 hours

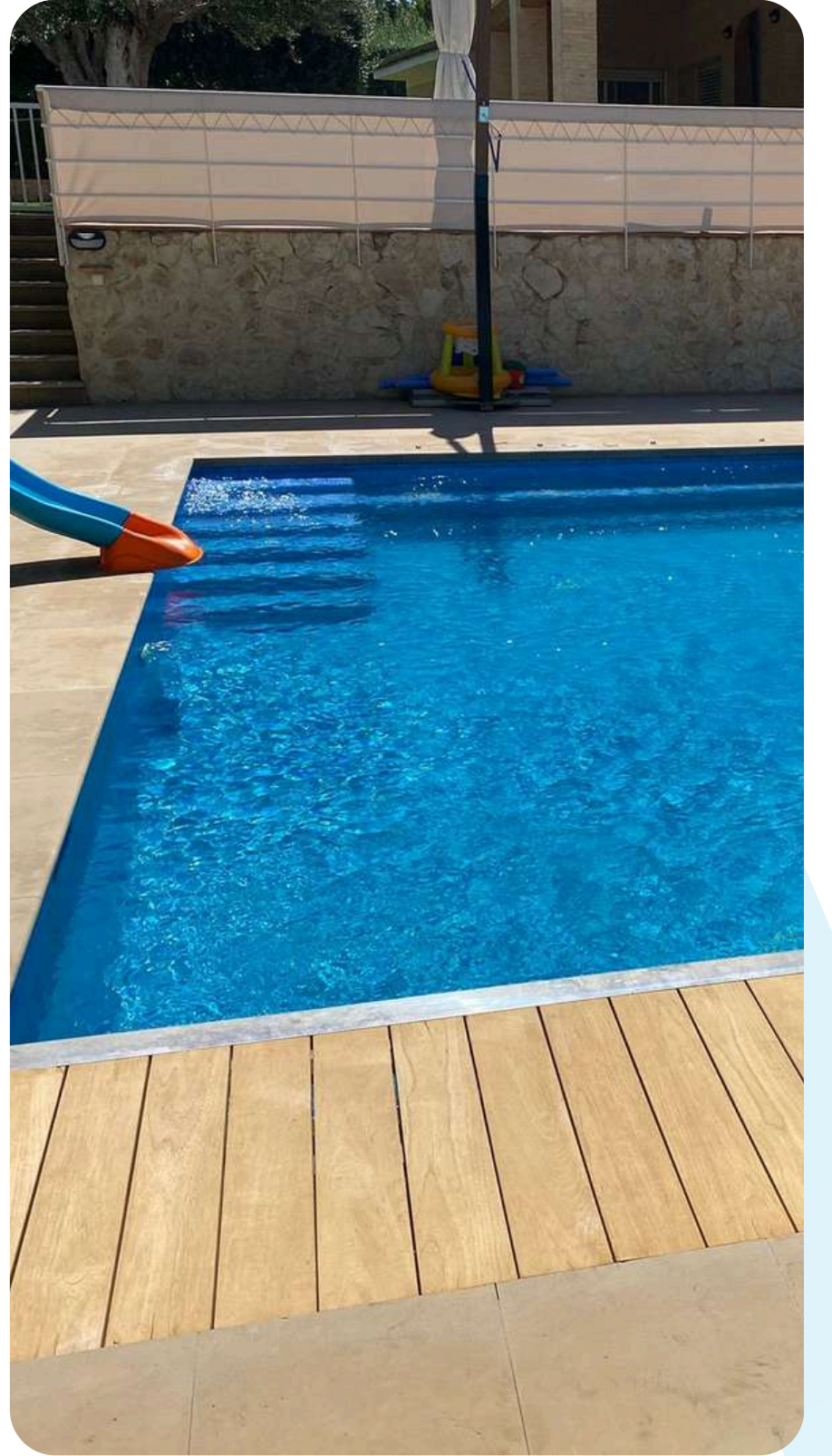




# Join the revolution Pool Tiger

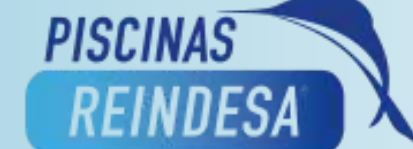








# Our costumers our best reference







**Letter of Recommendation Pool Tiger Equipment.**

**Client: Parque Lisboa Homeowners Association. Social Sports Club.**

**Olympic swimming pool of 1250 m2 and 2125 m3.**

**Treatment: Sodium hypochlorite.**

**Installation of 2 Commercial Pool Tigers of 57m3/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.

Nieto  
García Luis Miguel - DNI  
50710680G

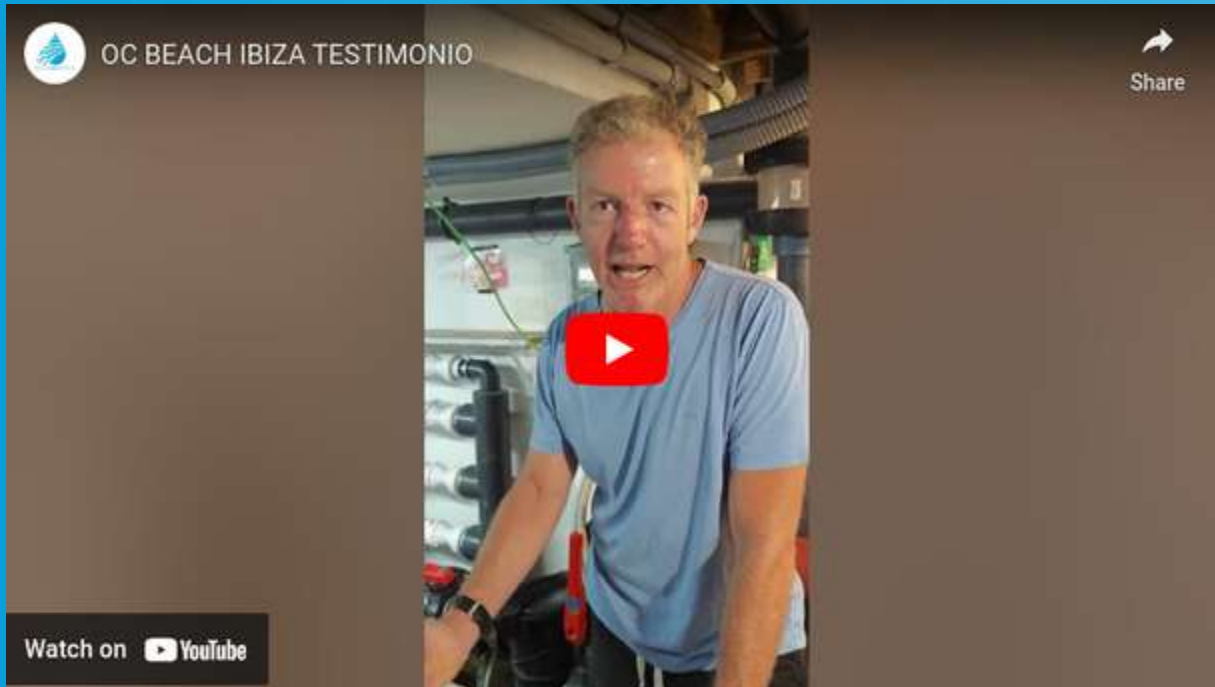
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LUIS MIGUEL - DNI  
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Luis Miguel Nieto

President







# Satisfied customers





# Our models

	Pool Tiger Models	Connections ø		Caudal	Weight	Diameter	Long
	<b>Pool Tiger Residential</b>	50	63	21m <sup>3</sup> /h	2 kg	10 cm ø	44 cm
	<b>Pool Tiger commercial</b>		63	57m <sup>3</sup> /h	3,5 kg	13 cm ø	49 cm
	<b>Spa Tiger</b>	32		3m <sup>3</sup> /h	0,5 kg	7 cm ø	23 cm
	<b>Pool Tiger Grow</b>			3m <sup>3</sup> /h	0,5 kg	7 cm ø	25 cm



# Pure water, healthy life.

[www.pooltiger.com](http://www.pooltiger.com)  
[www.pooltiguerurope.com](http://www.pooltiguerurope.com)

