

# HYDRO<sup>®</sup> DIOXIDE

WHEN BIOFILMS BUILD UP...

# CHLORINE WON'T SAVE YOU!

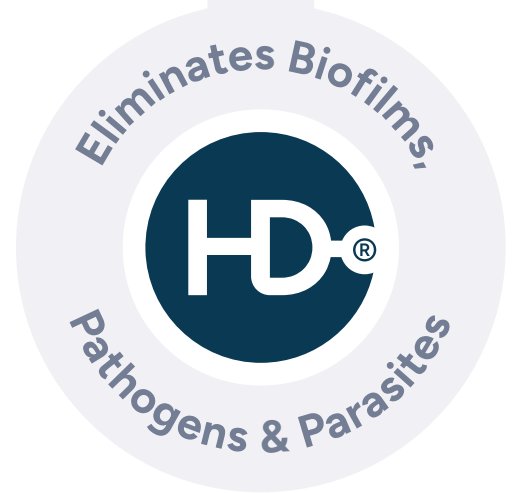
Hydro Dioxide quickly removes and prevents the formation of biofilms. Almost 3 times stronger than chlorine and 100 times more effective at removing Biofilms



“Hydro Dioxide offers the ‘silver bullet’ solution for biofilms.”

**NEW**

Fast dissolving 40g  
Chlorine Dioxide tablets



**GreenTech**  
INTERNATIONAL LTD

# UNDERSTANDING BIOFILMS

Biofilms are resilient, living communities of microorganisms including legionella and pseudomonas aeruginosa which produce a protective slimy layer called a biofilm. The biofilm will quickly attach itself to many swimming pool, spa and hot tub surfaces and is resistant to chlorine even at high levels.

## Where does it grow?

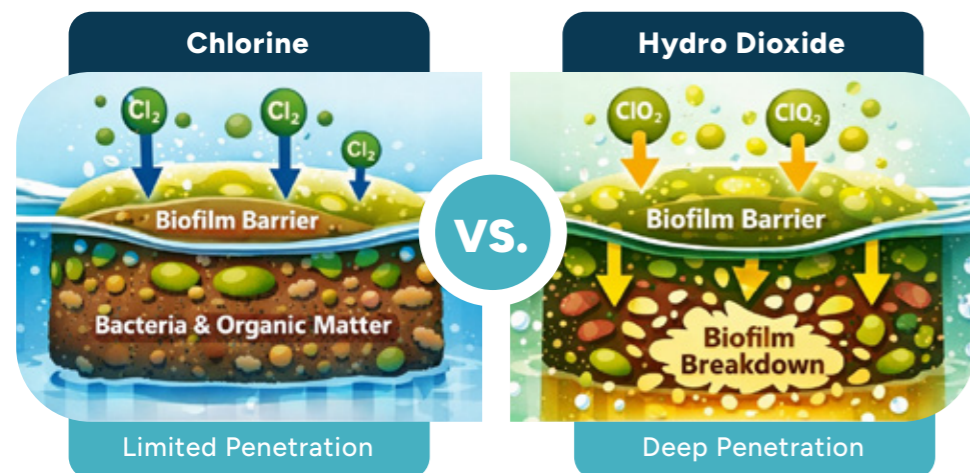
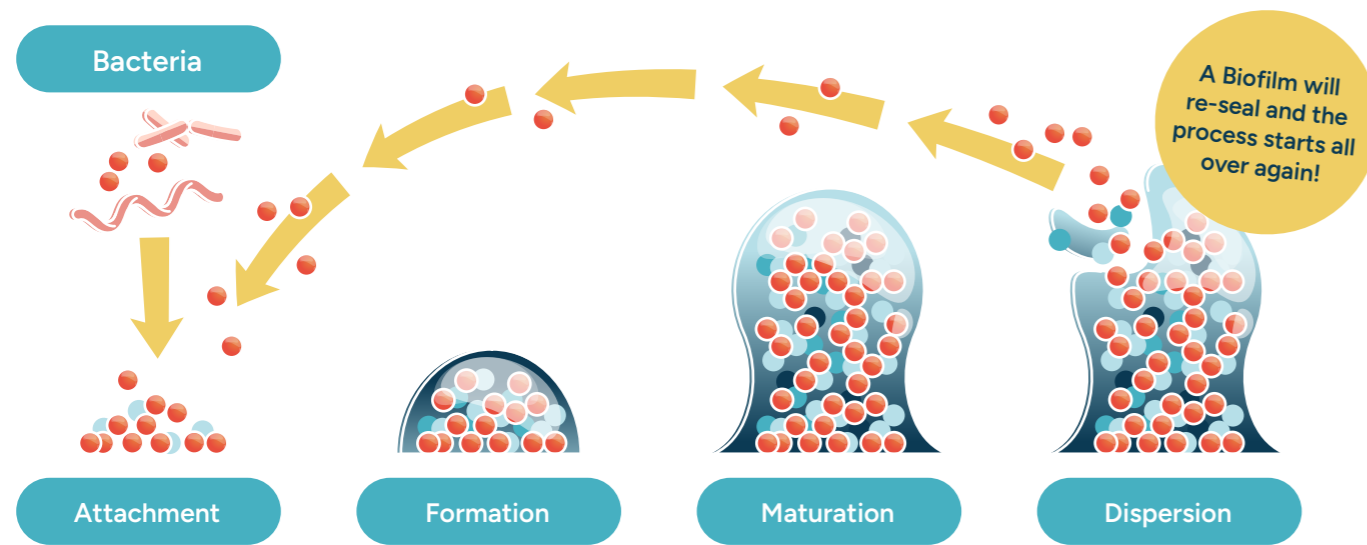
Swimming pools, Spas and Hot tubs offer the perfect warm high nutrient environment for biofilms to grow. Biofilms attach themselves to internal pipework and skimmers, fittings including lights, safety covers, floor wall and step surfaces, scum troughs and gulleys, balance tanks, cartridge filters, filter media, showers and even tile grout. The oil, skin, sweat and other pollution from bathers along with an increased water temperature provides an ideal recipe for Biofilms to thrive.

## Why are they a problem?

- ✔ Degrade water quality
- ✔ Cause costly operational failures - closures
- ✔ Harbour harmful pathogens such as legionella and pseudomonas aeruginosa
- ✔ Chlorine biocides do not penetrate biofilms

## Are Biofilms harmful?

Potentially very, pathogens such as pseudomonas aeruginosa, legionella, Giardia are locked and protected inside the Biofilm. But when water chemistry, temperature, pressure, or flow changes, these very dangerous pathogens can break loose.



## The solution?

# AN EASY & SAFE-TO-USE CHLORINE DIOXIDE TABLET

Hydro Dioxide delivers powerful control over biofilms and chlorine-resistant pathogens. Its advanced formula penetrates biofilms and destroys harmful microorganisms like Cryptosporidium, keeping pool and spa water clean, safe, and clear.

## Built for prevention, powered by performance

- ✔ Targets what chlorine misses: Biofilms, resistant pathogens, Cryptosporidium
- ✔ Improves air quality, reduces chemical load, and supports sustainable operations
- ✔ Backed by science, aligned with HSG282 and GB BPR regulations
- ✔ No harmful by-products (e.g. THMs, HAAs, Chloroform)
- ✔ Higher yield & greater cost efficiencies

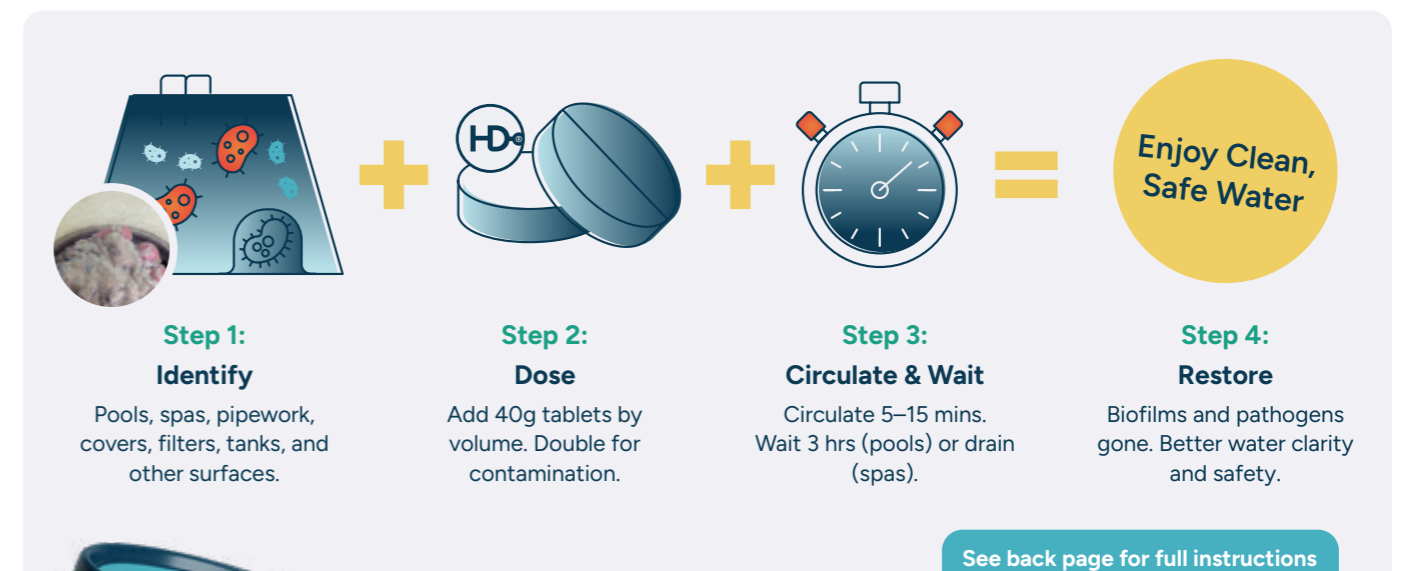


2.6x MORE POWERFUL THAN CHLORINE

More effective, faster acting, and safer by design than Chlorine!

### Amount:

- Consumed by organics
- "Inactivated" by PH effects
- Available for disinfection



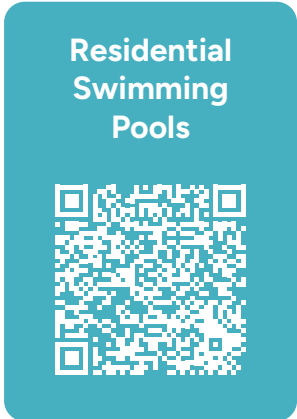
See back page for full instructions

### Hydro Dioxide eliminates:

- ✔ E. Coli
- ✔ B. Coli
- ✔ Giardia
- ✔ Pseudomonas
- ✔ MRSA
- ✔ Legionella
- ✔ STDs
- ✔ COVID-19
- ✔ Cryptosporidium

# INSTRUCTIONS FOR USE

Hydro Dioxide Spa should be used as part of your pro-active water management regime. It is a highly concentrated and effective sanitiser up to 3 times stronger than chlorine (bleach) products and when used regularly offers superior protection against biofilms.



## Sustainable & Compliant Water Treatment

Hydro Dioxide supports sustainable water management by reducing biocide demand, minimising water changes, and preventing system fouling - improving water and air quality with fewer chemicals.

Manufactured in the UK, aligned with Net Zero 2025 targets and a lower carbon footprint. Fully compliant with GB BPR, ISO & OHSAS accredited, and recognised in HSG282 for Legionella control.

Hydro Dioxide conforms to EN1276 (log rate 99.999%)

Distributed by GreenTech International, Hydro Dioxide offers future-proof treatment backed by UK regulatory leadership.



**PROACTIVE BIOFILM REMOVER**



**Easy & safe to use tablet**



**Kills pathogens, viruses, parasites & fungi**



**Extremely fast acting**



**Elevates performance of primary sanitiser**



**Effective across a broad pH range**