

# NoPhos

Without phosphate algae and bacteria can't grow



## What is NoPhos?

NoPhos removes phosphates that enter the pool from water supply, bathers and from debris blown into the pool. Phosphate is a fertilizer and if completely removed, algae and bacteria slowly starve and are eliminated over a period of about six weeks.

NoPhos is a natural product that can be safely used in public and private swimming pools, as well as in natural pools, ponds and aquaria. NoPhos is a charged ion which reacts with phosphate to form an insoluble precipitate that is removed by AFM®, or it forms an inert deposit on the bottom of the pool that is easily removed.



Swimming pool with a strong algae growth



## Your benefits at a glance:

- ✓ **Eliminates phosphates**  
Prevents algae and bacteria growth
- ✓ **Is a natural product**  
NoPhos can be used in swimming pools and ponds
- ✓ **Makes crystal clear water**  
NoPhos is a coagulant improving the filtering performance of AFM® and sand filters



## Treat yourself and your family to the best

### How to use NoPhos?

Only a small amount of NoPhos is required to remove phosphates, 10 ml of NoPhos is enough to bind 1 g of phosphate. If you have a pool with 100 m<sup>3</sup> of water at 0.5 ppm = mg/l = g/m<sup>3</sup> of phosphate, you have 50 g of phosphate in the pool. To remove the 50 g of phosphate you need 500 ml of NoPhos. We have developed a quick and simple phosphate test kit for swimming pools. In swimming pools, NoPhos can also be used preventatively without measuring the level of phosphate.

**Caution:** In systems with biological filters the phosphate content must **not** reach zero.

#### We recommend the following values:

- For swimming pools and fountains: 0 ppm
- For natural pools/swimming ponds 0.05 - 0.1 ppm

### Where to use NoPhos?

**In a public swimming pool** phosphate is measured weekly. NoPhos is automatically and continuously added to the pool using a peristaltic dosing pump. 1 litre of NoPhos can be diluted to 20 litres using clean water. This solution is then continuously dosed into a ZPM before the filter at 1 ml per m<sup>3</sup> of water circulated.

Example: 100 m<sup>3</sup>/hr circulation = 100 ml/hr of diluted NoPhos. Depending on the weekly reading, the dosage will be adjusted up or down.



**In a private swimming pool** Nophos is used prophylactically and is added to the pool manually once per week. The dosage used is 1 ml of undiluted NoPhos per m<sup>3</sup> of pool volume per week. For example, if the pool is 100 m<sup>3</sup>, add 100 ml of NoPhos every week. We recommend it is added into the skimmer or to the overflow channel. If NoPhos is added directly to the pool, there will be a short period of higher turbidity. Precipitation is normal, and shows that the product is working. If a heavy grey precipitation is observed on the pool bottom, too much NoPhos has been added and future dosage should be adjusted accordingly.

**In a pond or natural pool** NoPhos is the ideal product. It works best when diluted with water to a ratio of 1:20 and then continuously dosed with a dosing pump into a ZPM before an AFM<sup>®</sup> filter. Some phosphate should be left in solution to help maintain the biofilter performance, so occasional measurement of the phosphate concentration using a precision photometer is important.



**In a water feature or fountain** NoPhos and ACO are suitable to keep the water clean and clear and to help prevent algae and bacterial growth. Both products will work even with poor or no filtration. NoPhos reduces bacterial growth but is not a disinfectant. To provide better protection against Legionella, our DryOx chlorine dioxide tablets should be considered.



### Who is Dryden Aqua?

We are a marine biological company specializing in water quality and innovative, sustainable treatment technologies. Our unique knowledge combination and detailed understanding of the biological as well as physio-chemical reactions has enabled us to develop a highly innovative range of products for aquaria and swimming pools. Therefore we became leader in water treatment for public and private swimming pools.

Our mission is: crystal clear and healthy water without any smell of chlorine. Today more than 100'000 pools worldwide using our system.