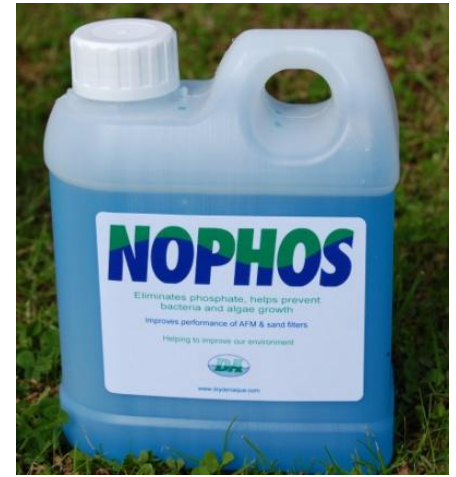


NOPHOS[®]

- Prevents growth of algae
- Prevents growth of bacteria
- Nophos stays in solution, it is not lost to atmosphere
- Helps to reduce biofilm and risk of Legionella
- Precipitates phosphate
- Precipitates and removes arsenic when used with APF
- Improves performance of AFM & sand filters

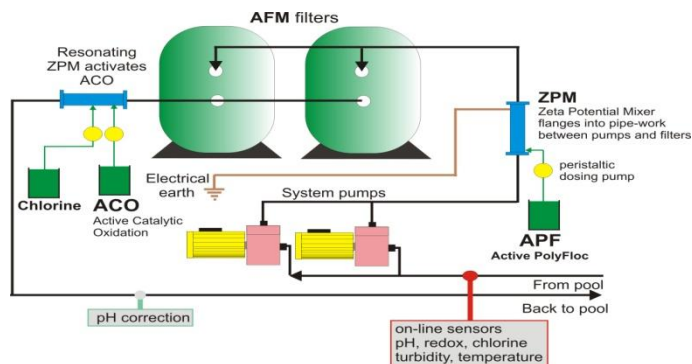


Dryden Aqua are marine biologists specialising in water treatment and filtration systems, as marine biologists we understand the chemistry and the biology of water.

Algae as well as bacteria, and indeed almost every living organism have a biochemical pathway that converts ATP (adenosine triphosphate) to ADP (Adenosine diphosphate). The conversion of ATP to ADP releases energy which allows the organism to move and grow. ATP requires phosphate, so if you completely eliminate phosphate from the water, you prevent the growth of algae, bacteria and protozoa.

In order to remove phosphate you only require very small amounts of NoPhos, the product is supplied as a crystal or liquid concentrate which you dilute in clean water to make up a stock solution, and then dose slowly in the pipe work before the filters. Alternatively you can hand dose once each night to the balancing tank. In private pools a hand dose once a week is fine.

NoPhos will eliminate the phosphate which comes in with the mains tap water and from the swimmers. The effect is very gradual taking approximately 4 to 6 weeks to eliminate most of the bacteria adhering to the internal surfaces such as pipes and channels. It is useful to use a phosphate water test kit just to confirm that you have eliminated the phosphate. In commercial pools you can use the phosphate results to regulate the NoPhos addition.



Applications

- Aquatic features, ponds and fountains
- Private & public swimming pools
- Public aquaria
- Ponds & lakes
- Cooling tower recycle water
- Boiler feed water
- Pretreatment of seawater or freshwater prior to filtration
- Arsenic & phosphate precipitation

Application rates

Public Swimming Pools. Dissolve 1 kg or add 2 litres of NoPhos concentrate to 20 litres of water and continuously pump into the water before the sand or AFM filters using a metering pump at a rate of 0.5ml to 1.0ml per cubic metre of water per hour passed through the AFM or sand filter. Example, if the water flow through the filters is 80cubm/hr, you want to add between 40ml and 80ml of NoPhos solution per hour. Measure the phosphate levels in the water, if you detect phosphate increase the application rate until it is completely removed. It is very important to record a zero reading and maintain a zero reading at all times.

For private pools NoPhos may be manually added once a day or once a week, however the preferred option is to use a dosing pump. The manual application rate is 0.5g to 1.0g of NoPhos per cubic meter of water in the pool per week. If the pool has a volume of 60 cubic metres, it will require 30g to 60 g (or 60 to 120ml of concentrate) per week of NoPhos.

Fountains & Aquatic features. NoPhos is a perfect product for this application to keep the water crystal clear with a low to zero bacterial count, helps protect against Legionella. NoPhos works well even if there is no filtration in the system, and unlike chlorine NoPhos stays in the water, it is not lost to the atmosphere. Nophos prevents bacteria from growing but it is not a disinfectant. If there is no water exchange NoPhos may be loaded to a high concentration sufficient to last 6 months, so one of two applications per year may be sufficient.