

A **microtech-aligator** System is the Natural Choice to deliver safe and sustainable swimming pool water.

The **microtech-aligator** System is friendly to the environment because:

- No toxic chemicals are produced; sanitisation is achieved by using metallic ions from the naturally occurring elements of copper, silver and zinc.
- Pool water is crystal clear and to drinking quality standard.
- The backwash water can be recycled and used, for example for irrigation
- The purified metallic ions do not dissipate in sunlight and provide a residual disinfection
- The pH is easier to maintain and less likely to fluctuate because high doses of chlorine and other chemicals such as algaecides are not required.
- No harmful greenhouse gases are created by the Aligator System.

Chlorine only systems are unfriendly to the environment because:

- Chlorine is a harmful chemical which requires controlled handling and storage.
- The backwash water will destroy plants and is harmful to the aquatic environment.
- Chlorine evaporates away from the pool in sunlight and therefore needs continuous replenishment.
- Additional chemicals such as stabilisers and algaecides are required to be added to the pool water.
- Cyanuric acid is a by product from stabilised chlorine and will build up to high levels which will inhibit the effectiveness of the chlorine, therefore the pool water will need to be dumped before replenishment with fresh water, which is wasteful and contaminating to the environment.

Salt water pools are unfriendly to the environment because:

- Salt is broken down into chlorine which is a harmful chemical. This produces unhealthy disinfection by products (DPBs) called trihalomethanes (THMs) of which the predominant form is bromoform.
- The pool stills needs regular 'shock dosing' with chlorine.
- The backwash water is salty which kills plant life and sterilises soil.
- In many areas of the USA and Australia the installation of salt water pool systems which drain into public water supply aquifers such as rivers and wetlands have been prohibited by law.
- Salt water is corrosive and reduces the life of pool components and structures.
- Chlorinating with a salt water chlorinator introduces a high pH into the water which must be offset by adding an additional corrosive chemical pH reducer such as muriatic acid on a regular basis.

A **microtech-aligator** System is therefore the Natural Choice for biologically safe, environmentally friendly swimming pool water which meets the needs of the present generation without compromising the ability of future generations to meet their own needs.