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AQUARIUMS



**NEW FUNCTIONALITY WITH THE APPLICATION
OF NEW ARA IONIC ACCELERATOR**

What is NEW ARA

New Ara is the ecological and safe way of obtaining pure water, without modifying its physical-chemical characteristics.

The system used by Vosges, for the New Ara ionic accelerator, completely solves the numerous problems due to calcium deposits, it eliminates algae and fungus and substantially reduces the bacterial load in the water.

Operation

The system, which is both simple and sophisticated, is based on the forced passage of the water through a high level magnetic field (10000 Gauss).

The magnetic field is not created by electrical current but by permanent magnets, which, consequently, ensures that the power does not reduce with time.

The shape and strength of the magnetic field also neutralises algae and fungus.

Consequently, a large amount of bacteria no longer finds a suitable reproductive environment and dies (this phenomena is particularly evident in recycle circuits where the water rapidly deteriorates, thus favouring the growth of micro-organisms).

By means of its controlled magnetic field, New Ara is able to induce a reaction which transforms the CaCO_3 particles into a soft and powdery precipitate (Aragonite) which is similar to talc, that has no aggregating power and a structure which is 30/40 times smaller than CaCO_3 .

Aragonite also remains in suspension and is transported by water flow.

All pre-existing calcium deposits are quickly eliminated by water that has passed through New Ara.

Technical characteristics

1. The magnetic influence of the New Ara ionic accelerator ceases at approximately ± 5 cm from the equipment, in accordance with the EU regulations for this type of process.
2. The equipment is manufactured in chrome-plated copper and stainless steel and is tested, as per the regulations, at a pressure of 30 Atm, a temperature of 150°C and a velocity of 2 m/sec.
3. As a result of its strength and shock resistance the use of the New Ara does involve management and maintenance costs.

Installation

The New Ara may either be installed horizontally, vertically or obliquely.

New Ara has been designed in a symmetrical manner, there is no particular direction for installation and it does not disturb other electronic equipments.

New Ara must be installed after the pump on the circuit system when used in aquariums and all the water should pass through the equipment.

Pump discharge l/min. = New Ara model.

The faster the water recycling process, the faster the algae will be eliminated.

The main factors that cause the formation of algae in an aquarium are as follows :

- nitrate deposits from fish excrement;
- the water recycle system is too slow;
- incorrect positioning of the suction mouth with respect too the recycling process;
- incorrect filtering, shape of tank and too much exposure to light.

A good initial design improves the life of the fish.

