EMYG aqua
Living Seafood Chain®

SKIM FILTRATION

FILTRATION

INNOPURE® Technology

The SKIM by itself is capable of treating 7.5 tons of shellfish in 24 hours at a flow rate of 100m³/hr

OXYGENATION

Artificial holding ponds are functional only if several parameters are met.
Among these, oxygenation is paramount. This function is performed by the SKIM and results directly from the generation of micro-bubbles under pressure which bring optimum oxygen dissolution in the water.

FILTRATION

This is the primary function performed by the SKIM.
The efficiency of the system results from a water-air exchange through the generation of micro-bubbles under pressure with a sub-micron filtration capacity.
This means that all suspended matter – right down to micro-organisms (bacteria etc.) – is trapped in the extracted foam (specificity of the INNOPURE® technology).
The SKIM achieves a flow rate of 100 m³ /hour. It can alone treat 7.5 tons of shellfish in 24 hours.

CURRENTS

If efficient purification is to be achieved, it is essential to treat the entire volume of water in the pond. To do this, a strong current (100m³/hr) is used to bring sedimented matter to be re-suspended and directed towards the SKIM. Thanks to its geometry (suction and 45-degree discharge), the SKIM system is perfectly suited for this function.
In certain situations, we supplement this current pattern with the installation of a relay water circulator.

MINIMUM MAINTENANCE

The SKIM is characterized by the simplicity of its maintenance. In fact, since it has no filters, maintenance is limited to cleaning the foam collector and the plexiglas cone.
A water supply connected directly to the cone is sufficient to maintain the SKIM in perfect working order. No filter clogging is possible with the SKIM.

> The SKIM is made up of 3 motors and features minimum electrical consumption and limited maintenance
- Marine bronze immersed hydro-injector
- Plastic extraction pump with stainless steel shaft
- Centrifugal system

> Electric consumption under 1.5kWh with alternate operation extraction pump