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Biological Filter

Biological filter is the core equipment of aquaculture. Its filter tank(Biochemical tank) is a kind of biological filter container, its delicate design keeps the water flow within a certain range and ensures that the biofilm can be attached to the biofilter material as soon as possible, so as to exert the best effect together with the whole system.



Biological filter is the core equipment of aquaculture. In the case that the total water in the circulating water is fixed, but the total amount of nitrogen input is constantly increasing, under the action of organisms, these nitrogenous substances would be converted into ammonia or nitrite dissolved in water. The continuous accumulation of these substances will cause the organisms poisoning. Therefore, these nitrogenous substances must be converted into non-toxic substances in aquaculture. Biofiltration is the decomposition of ammonia nitrogen and other substances in water by the cultivation of biochemical bacteria through the filtration media, but requires pretreatment, such as sand filter, protein skimmer can be used as the pretreatment equipment.

Operating principle:

Biological filter tank(Biochemical tank) is a kind of biological filter container, its delicate design keeps the water flow within a certain range and ensures that the biofilm can be attached to the biofilter material as soon as possible, so as to exert the best effect together with the whole system.

Combination unit:

Sand filter, protein skimmer, air pump or fan

Notice:

Biological filter tank(Biochemical tank) is not recommended to be used with the ozone generator, but can be preinstalled with UV sterilizer.

Material:

Non-toxic food grade PP or PVC