



OZONE TECH

OZONE FOR AQUACULTURE

Ozone is used in fresh and saltwater aquaculture to improve the water quality by reduced organic loading, bacteria, viruses, fungi, etc. By reducing the organic loading (BOD) the yellow color of the water is removed improving the turbidity of the water. It should be noted that the purpose of ozone is not to sterilize the water but to check the microorganisms and maintain the required ORP in the aquarium/ pond.

Advantages:

- Improves performance of protein skimmers
- Clear transparent healthy water by removal of Gilvin (yellow substance)
- Reduced levels of nitrite & ammonia
- Improved redoxpotential and microbial control
- Excellent disinfectant and oxidant
- Improves performance of the biological filter



Ozone improves the performance of the bio-filters by increasing the dissolved oxygen content of water, required for the nitrifying/denitrifying microbes. It can be confirmed that the nitrification

bacteria will die faster without ozone than with ozone.

Ozone controls the growth of microorganisms and prevents the growth of anaerobic microbes which are detrimental for the fish and vertebrates. A careful control of the ORP is to be maintained for best results



Ozone suppresses the growth of brown and red algae. The growth of green and other algae can be inhibited by ozonating the water during the day time and not ozonating during the night time.

We offer ozone generators which are easily retrofitted to existing and new ponds. The sizing is based on the volume of the pond and the pond circulation pump capacity. Based on this we offer 0.5 gm/hr and 1 gm/hr ozone systems operating from air as the feed gas. This is suited for pond sizes up to 60 m³ of water volume.

The system offered by us comes complete with a back washable prefilter and an air dryer. The complete system is compact and can easily retrofit to any pond system. Custom designed systems are offered for larger commercial & public aquariums.

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