

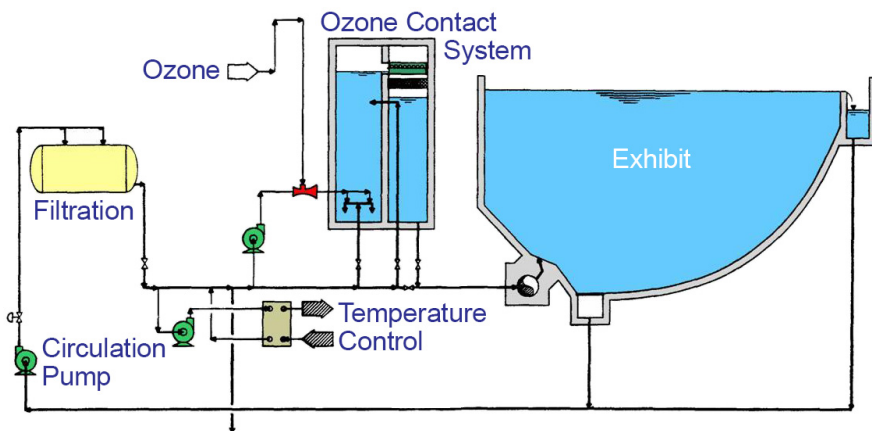


Aquariums

Unlike most water treatment applications, large aquarium exhibits need to preserve the many living organisms in the water and keeping marine life exhibits both beautiful and healthy presents a unique challenge. Organic and inorganic contaminants can accumulate very rapidly posing a danger to the animals and detracting from the appearance of the exhibit. Therefore, exhibit waters must be continually recycled through a life support system (LSS) to protect the animals in the exhibit and maintain adequate water quality.

Ozone is the most effective and efficient disinfectant that can be employed and has been utilized as the primary disinfectant in multi-species marine and freshwater systems since the 1960's. It is such a strong oxidant that it not only produces extremely clear water, but it also ensures that water quality parameters are within the desired range by oxidizing organics, controlling bacteria and minimizing or eliminating chloramine formation. There is such a large volume of water flowing through these exhibits that a flow-through system continually replaced with clean municipal water is not economical or practical.

The use of ozone equipment in the aquarium market has advanced markedly in performance, reliability and capability for successful gas/liquid contacting. The ozone generation system of years past is no longer valid and new criteria need to be established and closely monitored. The ozone experts at Ozone Water Systems can help you design, build and install the right ozone system to keep your aquarium beautiful and healthy.



Typical Ozone Disinfection Installation

OWS OFFERS:

- Service
- Rental Equipment
- Monitor Calibrations
- Uniform Fire Code Compliance
- Parts Support
- AZAAccreditation Assistance
- Sales
- Pilot Systems
- Refurbished Equipment
- In-house Repairs
- Custom System Design
- Years of Experience

RULES OF THUMB

- Killer Whale = 10 lb/day
- Dolphin = 1 lb/day
- Walrus = 2.5 lb/day
- Polar Bear (pair) = 2 lb/day



Ozone Skid