

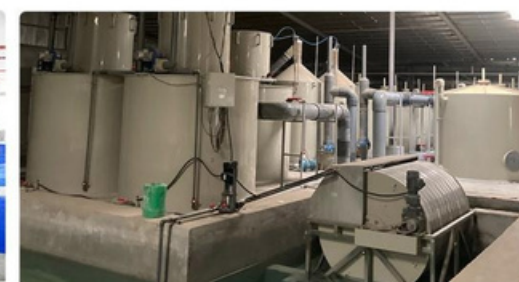
ARK AQUATECH

We Do For You



ARK AQUATECH

Protect the environment, save water, and strive to provide safety, A healthy and efficient new farming model.



Technical manual of equipment for industrialized circulating aquaculture system

Company Profile

ABOUT US

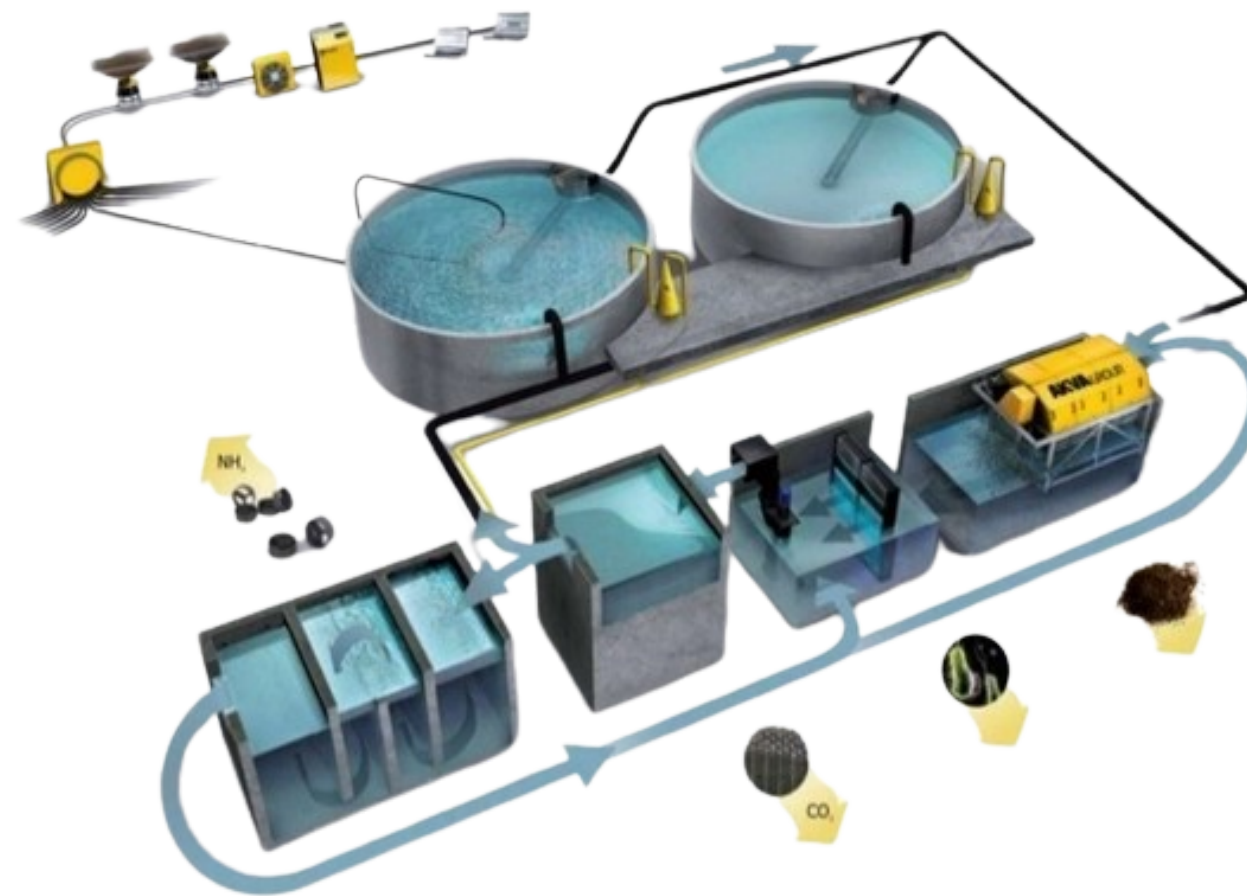
"ARK AQUATECH BRINGS INNOVATION IN AQUACULTURE TO MAKE SIMPLIFIED"

Ark Aquatech was founded in early 2010 with the goal to bring high quality, reliable products to the industry at fair, honest pricing. We have a strong background in aquaculture and know the frustrations that can come from dealing with vendors that don't seem to care about your needs. we have space for manufacturing and storing thousands of products. This means that we can provide same-day turnaround to get your essential items in your hands quicker. With team members all over the India, we are equipped to service customers anywhere, any time. No project is too big or too small!

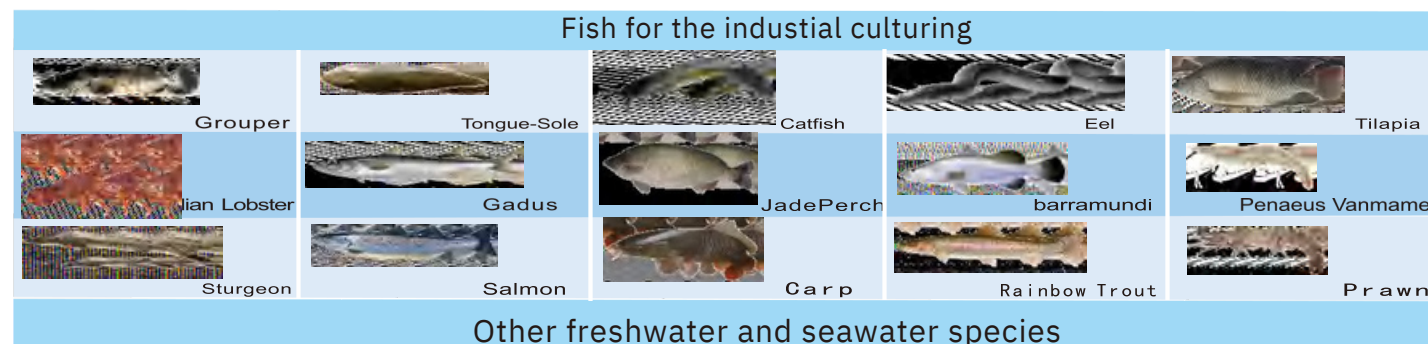
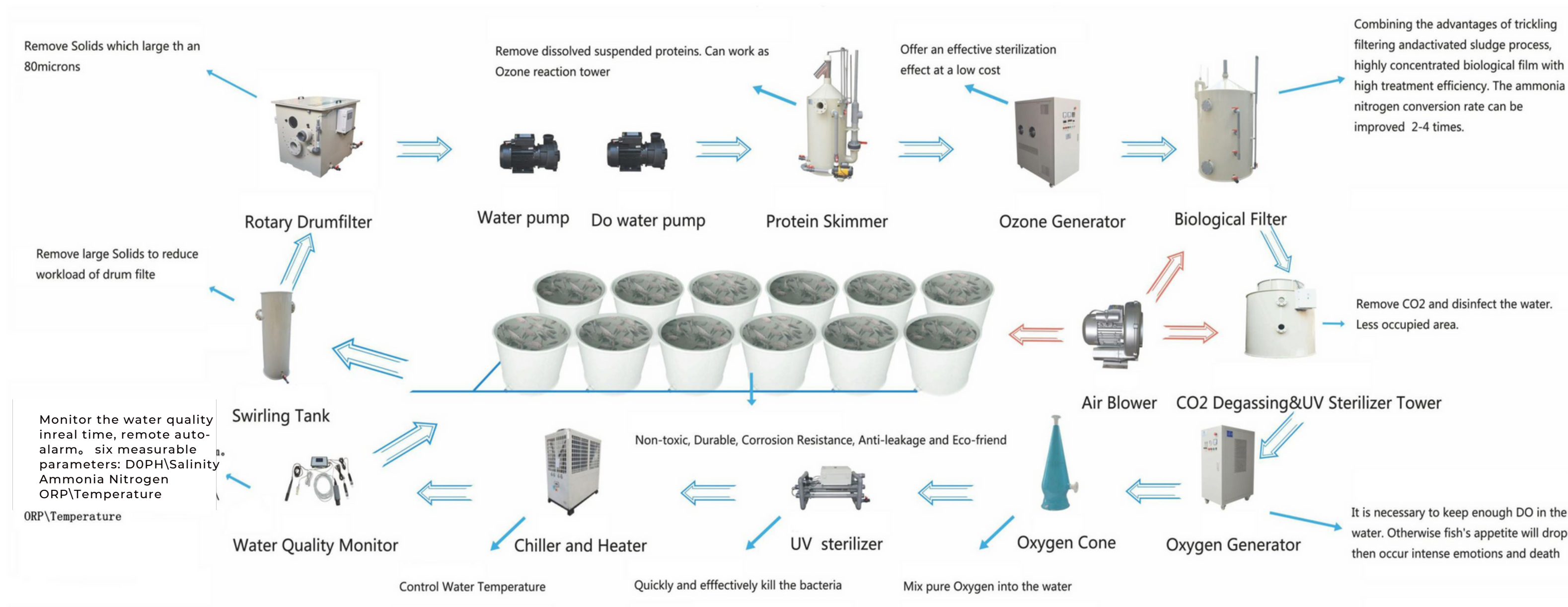
We integrated Technology to aquaculture and agricultures farming for making simple and successes model

Recirculating Aquaculture System (RAS)

A Recirculatory Aquaculture System (RAS) is an advanced fish farming method that continuously filters and reuses water, ensuring a controlled and sustainable environment for aquatic species. This technology allows high-density fish production with minimal water usage, making it an eco-friendly solution for modern aquaculture.



Recirculating Aquaculture Systems



Large Stainless Rotary Drum Filter



- ★ Adopt Stainless, resistance corrosion, Environmental food grade standard material. Newly structure design, Support 485 output communication Energy saving, Water saving,
- ★ Exclusive adopt completely transparent cover, Convenient to view the working situation in real time With Automatic control electric cabinet , easy operate and maintain. Has kinds of Automatic working, Power Stop and Manual working mode etc.

Curved Screen Filter



- ★ The curved shape screen increases the filter area, and then under water's flowing, suspended solids were pushed to the end of filter screen and flowout.
- ★ Screen filter can be replaced quickly, just pull-out the screen filter when washing. Very convenient.

Protein Skimmer

★Protein separator can quickly remove organic substances such as residual bait and feces in water before decomposition into ammonia nitrogen and nitrite, avoiding the accumulation of toxic substances in water; remove organic acids to stabilize PH and remove humus substances to increase the clarity of water quality.

★With timing automatic backwashing device



Co2 Degassing&UV Sterilizer Tower

Co2 Degassing&UV Sterilizer Tower can remove CO2 and other harmful gas, to improve the aquaculture water dissolved oxygen. In the meantime, it's internal UV bubble will sterilize the aquaculture water. Specially design for recirculating aquaculture system

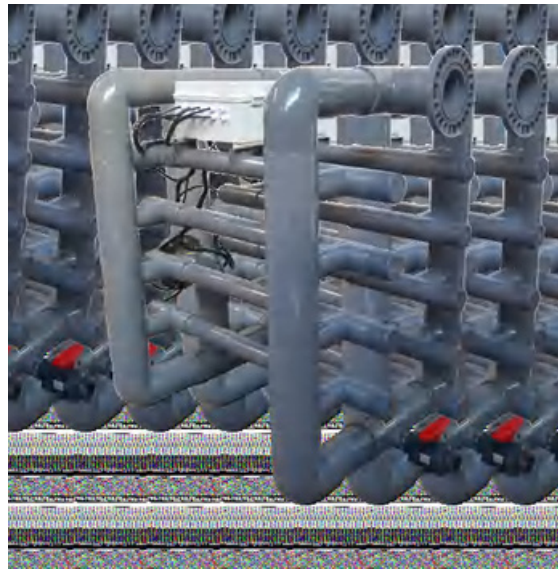
Biological Filter

Moving Bed Biological Filter

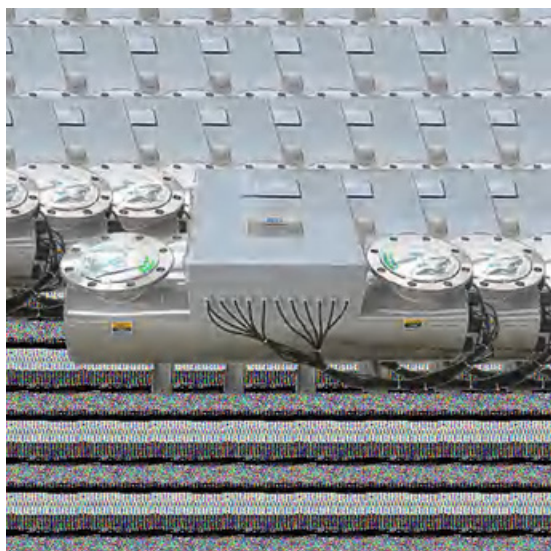
- ★Remove Ammonia/Nitrogen, Nitrite, Nitrate and Thiocyanogen in aquaculture water.
- ★Combining the advantages of trickling filter and activated sludge process, highly ammonia nitrogen concentrated biological film with high treatment efficiency. The conversion rate can be improved 2-4 times.
- ★Have double function as biological filter and mechanical filter. And at the same time is has functions of backwashing, large particles discharge and emptying.
- ★Compare with other biological filter, the size is smaller, less land occupation.
- ★Special design for recirculating aquaculture system.



UV Sterilizer



Stainless Steel UV Sterilizer



Channel ultraviolet sterilizer



Channel type UV sterilizer is use ultraviolet ray photon can destroy various of viruses, bacteria and other DNA structure of pathogen. DNA structural bond fracture or photochemical polymerization reaction, for instance THYMINE dimerization in DNA, make bacteria and viruses and other harmful physical lose copy breeding again to reach effect of sterilizer. Products can be customized according to requirements.

Nursery Raw Water Treatment System

- ★Nursery system is one of the cultivation modes. It refers to the water will be multiple filtration and disinfection sterilize purification before come into the cultivation pond.
- ★Using three efficient physical filtration equipment, effective filtered impurities in water, filtration precision up to 0.1 micron. Adopts sand filtration, bag filter, precision filtration and UV sterilization, to avoid use chemical drugs, achieve safety, energy saving, environmental protection, green health effects.
- ★Small occupied area, reasonable designed, simple operation, easier maintenance, low failure rate, less investment, etc.

Aeration and Accessoires

- ★ Adopting international advanced physical adsorption separation principle
- PSA(Pressure Swing Absorption):use air as raw material, zeolite molecular produce the oxygen.
- ★ Set the protection alarm in air compressor, refrigeration dryer and oxygen generator parts, safety and reliable.
- ★ Easy operate,low maintains cost andless space occupied
- ★ Low power consumption



Water-cooled Ozonizer

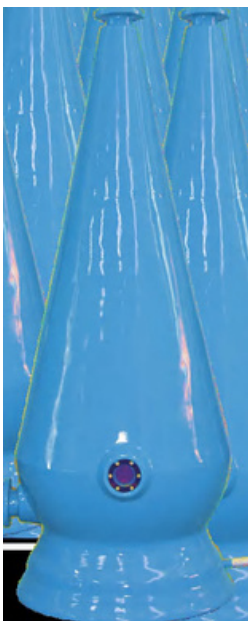


Air-cooled Ozonizer

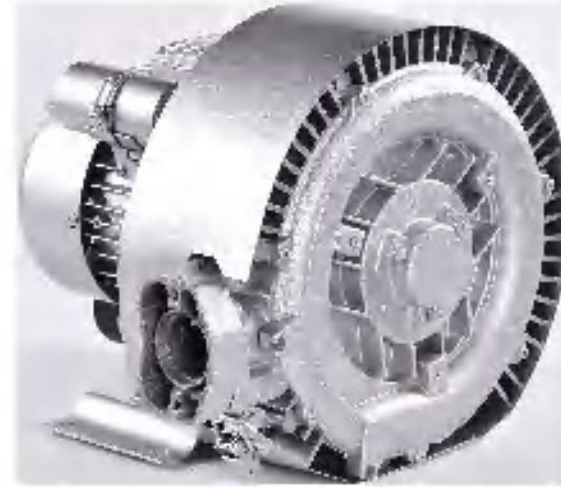


- ★ The sterilization and disinfection function of the ozone machine can be used in a variety of industries, such as: aquaculture, water purification, sewage treatment, waste gas treatment, food and beverage processing, cold storage and other commercial, medical and industrial ozone applications.
- ★ The Ozone generator has own oxygen generate system. Using air as raw material, no need any auxiliary materials, low power consumption, low cost, low noise with a large oxygen flow rate and adjustable.
- ★ Ozone can disinfect, oxidize organic and remove algae, color, and smell.

Oxygen Cone



Intensive Farming is becoming one of the important indexes in recirculating aquaculture system. To achieve high density farming, oxygen is an essential element in the water. Common used air blower is much less than what is required. So we need pure oxygen to supply the dissolved oxygen in the water. and oxygen cone is the best way to mix the pure oxygen into the water.



High Pressure Blower



Roots Blower (Dual tanks)

Chiller&Heater Machine

Bio-Media



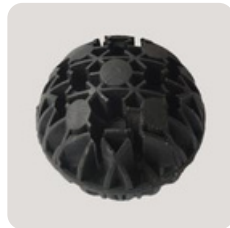
Volcanic Nitrification Stone



Nitrifying sphere



Bio Balls



Suspended Biomedia

Other Accessories



Aerator Pipes



Disc type Diaphragm Diffuser



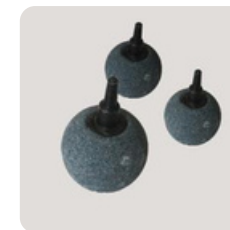
Air Valve



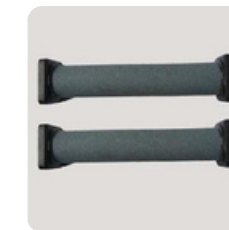
Silicon Air Pipe



Nitrobacteria



Air Stone



Cylindrical Air Stone



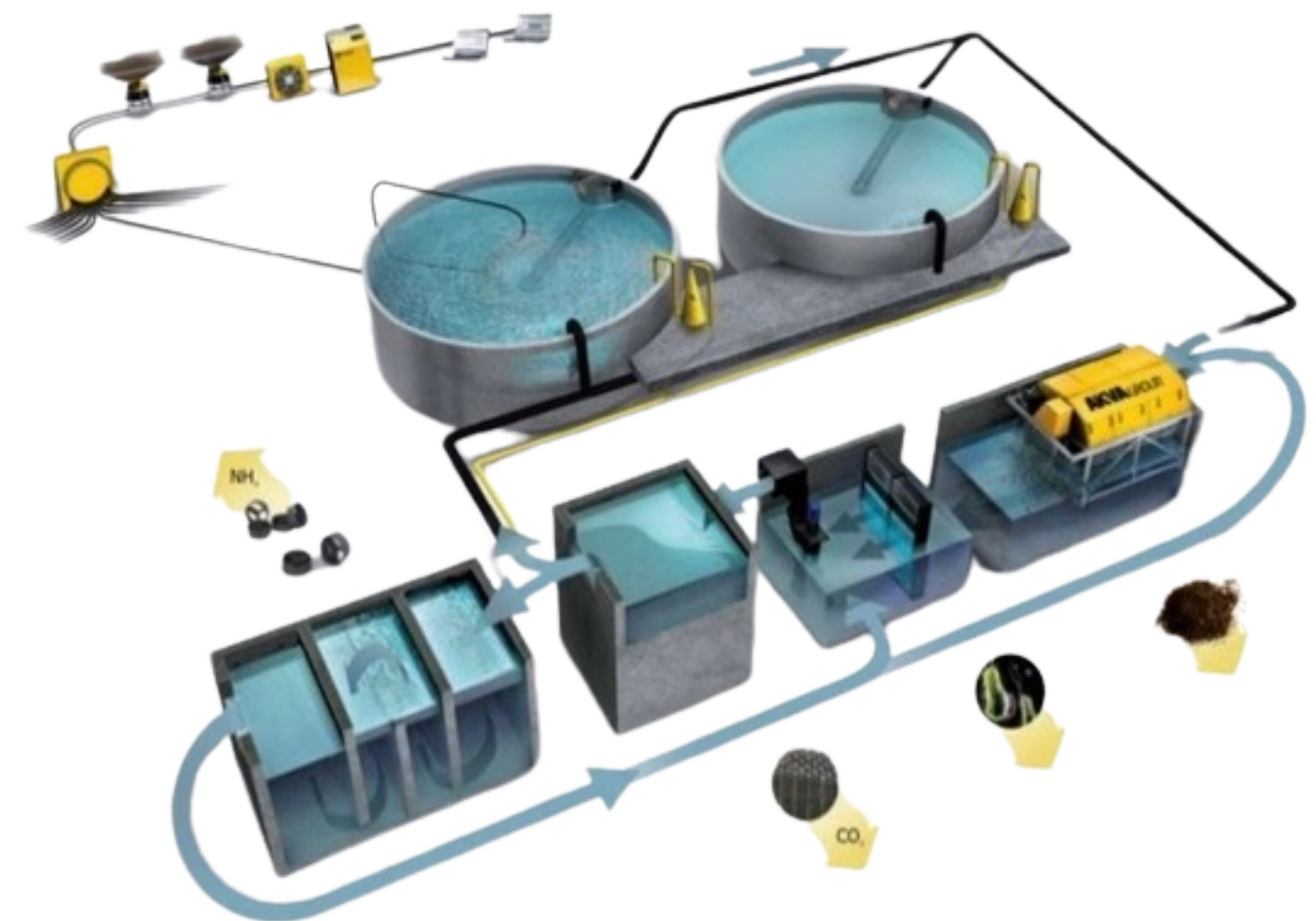
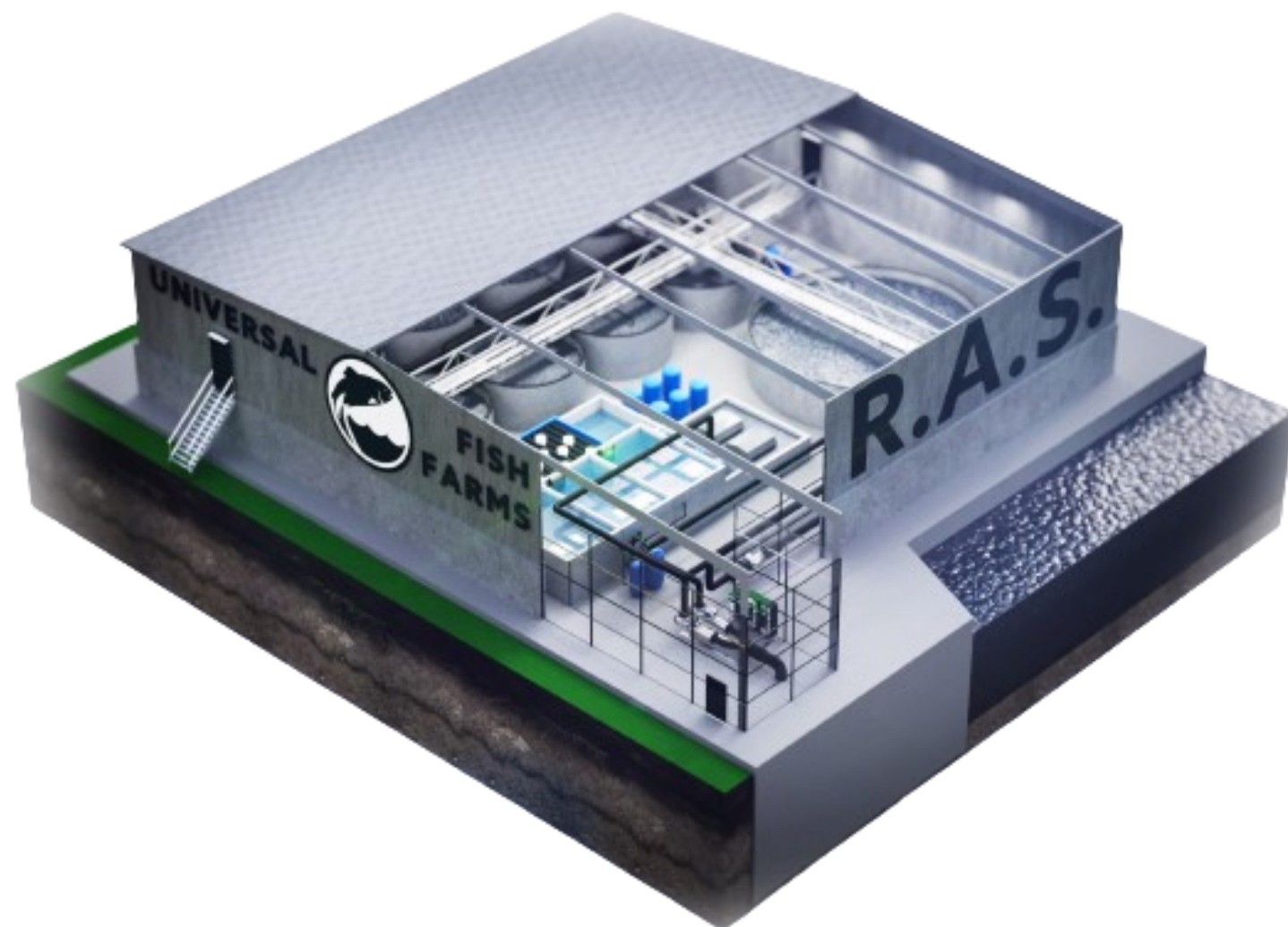
Air Diffuser



Round Hand Brail



Square Hand Brail



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