

# Aquaculture Live Fish Transportation Marine Products Processing

## New Solution Micro Bubble Generator & Bubble Aerator



# Aquaculture Productivity Problem



• Mass perishing? • Growth slowdown? • Productivity fall?

- |   |   |
|---|---|
| <input type="checkbox"/> Feed remain precipitation?     | <input type="checkbox"/> Excreta precipitation?         |
| <input type="checkbox"/> Precipitation rot?             | <input type="checkbox"/> Harmful algae propagation ?    |
| <input type="checkbox"/> Breeding water nitrification ? | <input type="checkbox"/> DO shortage of breeding water? |
| <input type="checkbox"/> Day/Night DO nonhomogeneity ?  | <input type="checkbox"/> Growth slowdown?               |
| <input type="checkbox"/> Mass perishing ?               |   |





# Aquaculture productivity improvement plan!

## Breeding Environment Improvement

Harmful green & red algae propagation · high water temperature  
damage prevention



**YES** BubbleTec solution Aquaculture environment improvement

- ☐ Excreta float
- ☐ Breeding water agitation
- ☐ H · M · Lower water temp. maintaining uniformly
- ☐ Maintain day/night uniform DO
- ☐ Dissolving oxygen, ozone
- ☐ Breeding water contamination prevention
- ☐ Harmful gas decomposition
- ☐ Useful microorganism proliferation
- ☐ emergency oxygen supply



emergency oxygen supply



**BubbleTec**

# New Aquaculture Technology Solution

**버블텍®** We offer best solution to meet your diverse demand for aquaculture management with continuous R&D and best efforts to produce top quality products.

We, for the 1<sup>st</sup> time in the world display self-developed smart aquaculture equipment Micro Bubble Aerators & multi purpose AquaCare® product at the **‘2017 BISF EXPO’** for home & abroad fisheries professional managers.

Product family of AquaCare® is energy saving type and activated automatically by hydraulic pump and provides solution for effective usage at the various fields.

Our multifunctional products can settle following problems of aquaculture industry. Improve water pollution by dissolving oxygen into water and floating harmful gases (generated by fishery excreta) outside of water. Circulating water.

Equipment was made of good durable nonmetallic parts, so no problem when using in the sea water and no rust. So separate A/S is not required.

We, once again promise to devote all our efforts for mutual prosperity with our customers in the aquaculture industry.

**BubbleTec®**

We provide best smart solution for aquaculture industry to produce high quality, high income aquatic products with sales, rental & maintenance of our products.

**Aqua Care®** It is our patented technology generating micro bubbles and dissolving gases (oxygen or ozone). So it's essential to improve water quality in the aquaculture industry.

**Bio2®** It is environmental friendly water treating agent prevent disease, suppress harmful algae proliferation in young fish cultivation site.

**Pond Care®** Complex microorganism collected from nature

PondCare A Create biotic feeding environment by suppressing harmful algae in the pond

PondCare B Decomposing toxic ammonia nitrites in the pond

👉 New fish farm for shrimp (creating 1<sup>st</sup> entering water to final shipping water)

**Fish Care™** Environmental friendly single ingredient feed to reinforce immunization, nutritional status of young fishes. **BT-7, BT GLUCAN, AminoZzang, BT Vita**

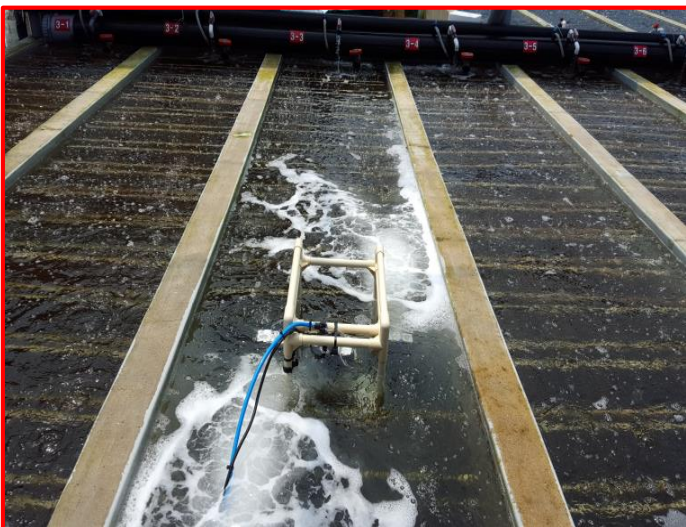


# Product Applications



Shrimp farm ↑

Supply homogeneous micro bubbles of oxygen, activate useful micro organism, circulating breeding water by discharging water pressure, floating precipitated waste & harmful gases, prevent breeding water contamination.



↑ Abalone breeding ground



↑ Contaminant & Harmful gas decomposition

Product composition : Considerable nonmetallic materials  
(no seawater corrosion & rust)



“AquaCare” before cleaning



“AquaCare” after cleaning



Micro Bubble Aerator

Product Application Method



= O<sub>2</sub>

Simple assembly (AquaCare + PVC Pipe + Pump)

Design 2

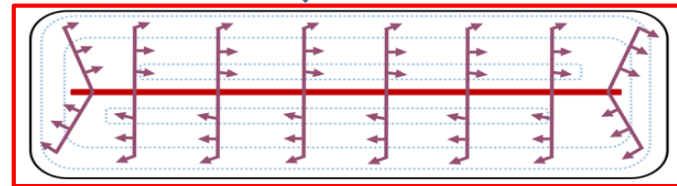


Design 1





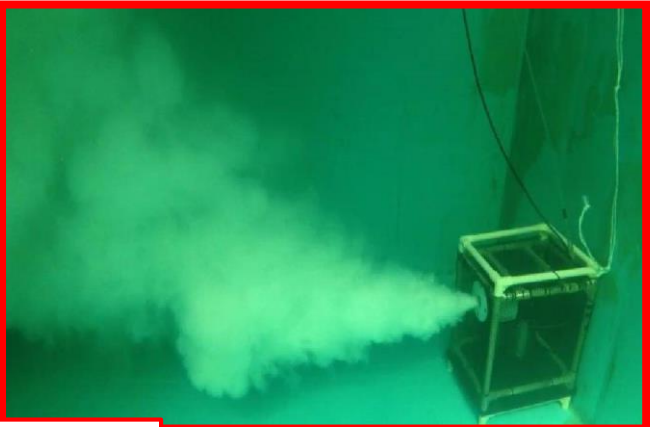
# Product Application Method





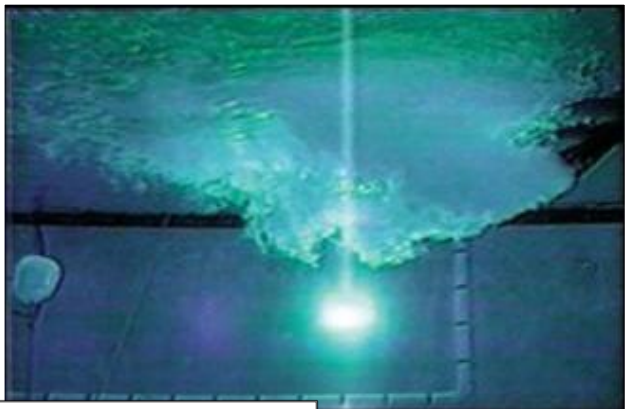
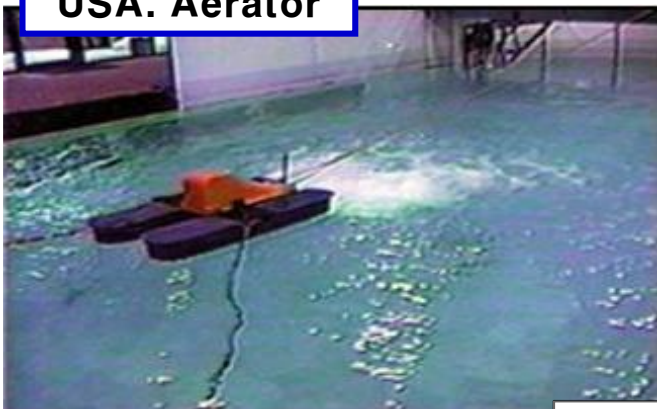
# Product Features Comparison

Micro Bubble Aerator



BubbleTec Micro Bubble

USA. Aerator



Acting only for upper water

Paddle Wheel Aerator



Acting only for surface water

| Model                | Elec. Power  | AquaCare | W / Volume | Air Intake |
|----------------------|--------------|----------|------------|------------|
| AquaCare             | AC / DC 120w | 1ea      | 64ton/day  | ±1.5L/min  |
| Micro Bubble Aerator | AC / DC 400w | 2ea      | 300ton/day | ±5.5L/min  |
| Micro Bubble Aerator | AC / DC 750w | 4ea      | 550ton/day | ±9.5L/min  |

We can meet your any requirement !