

Plasma AOP High-Speed Sterilizer

# AQUA PLASTORM

**AQPS**

*Aqua Plastorm*

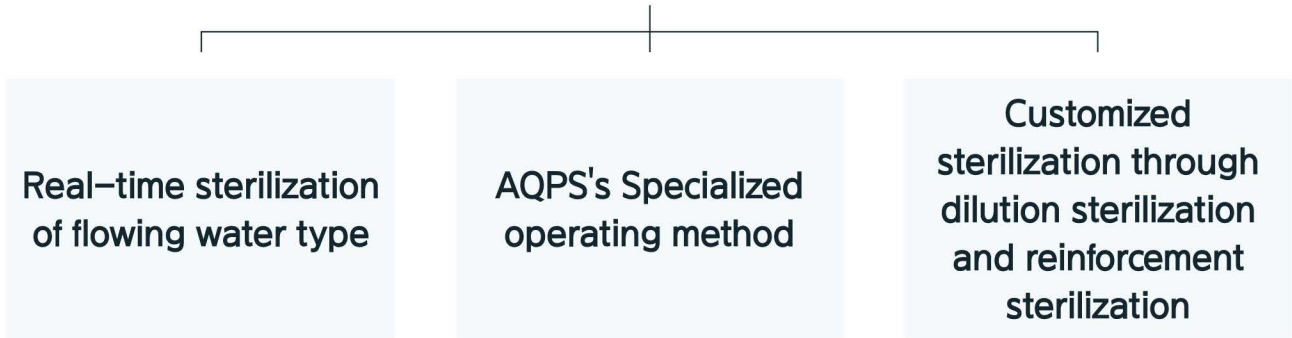


**UNIPIE** 

# Plasma AOP Sterilization Device

Propriate sterilization value according to water treatment environment!

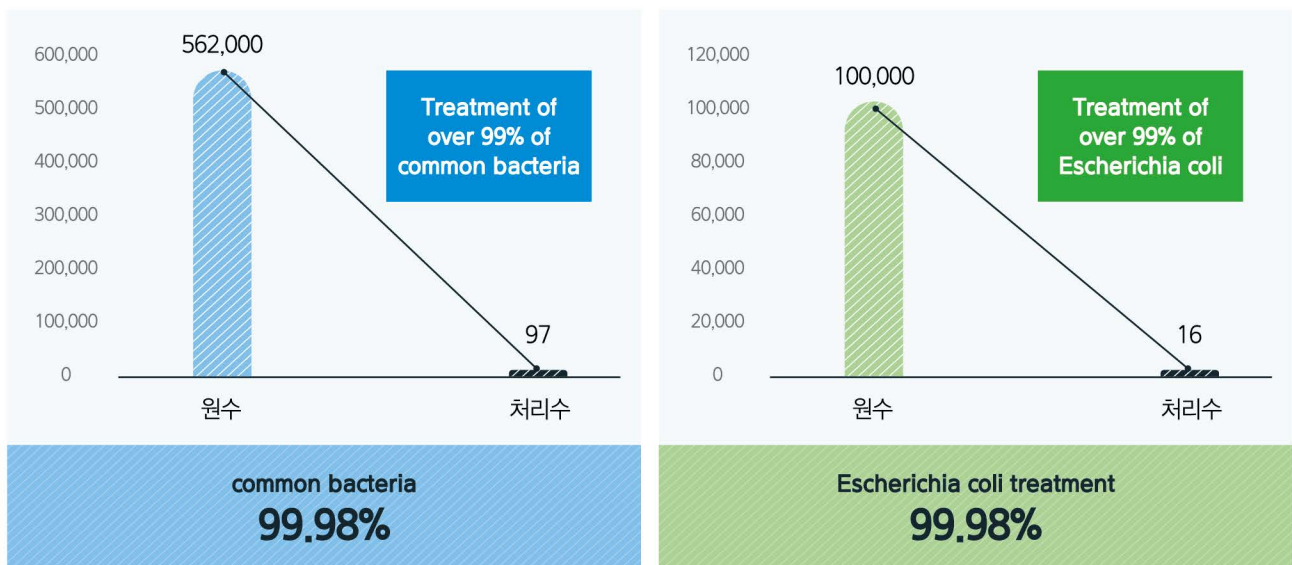
- \* Aquaplastom can apply a flexible sterilization method depending on the water quality, treatment capacity or application.
- \* Advanced IT technology enables you to set the operation method according to the field characteristics of the field.



Sterilization skimmer removes dissolved organic matter and increases dissolved oxygen all at once!

- \* **Real-time water sterilization power over 99%**
- \* Oxidation treatment and floating discharge of organic / floating substances
- \* Easy management of circulating water
- \* Processing capacity :300~2500[m<sup>3</sup>]
- \* **Built-in devices that require no additional facilities**
- \* Diagnosing computer operation using ICT

## Real-time sterilization test results!

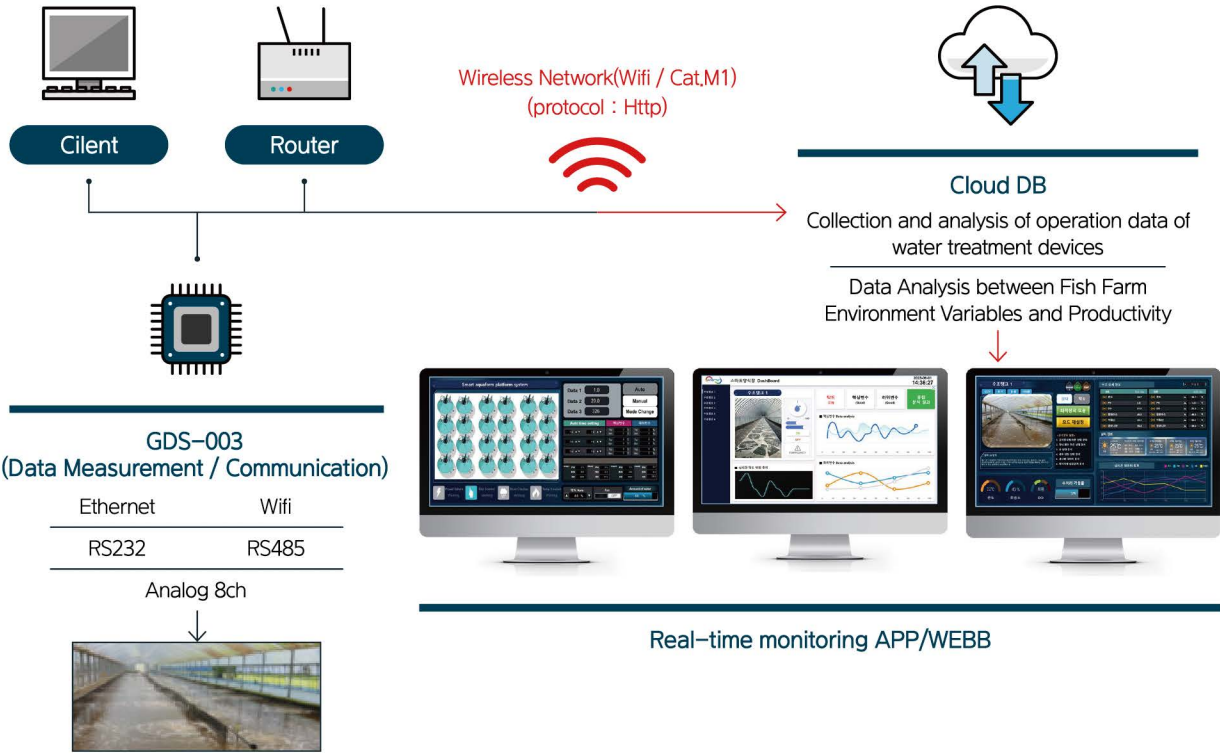


Real-time sterilization **removal rate over 99%** in all experiments

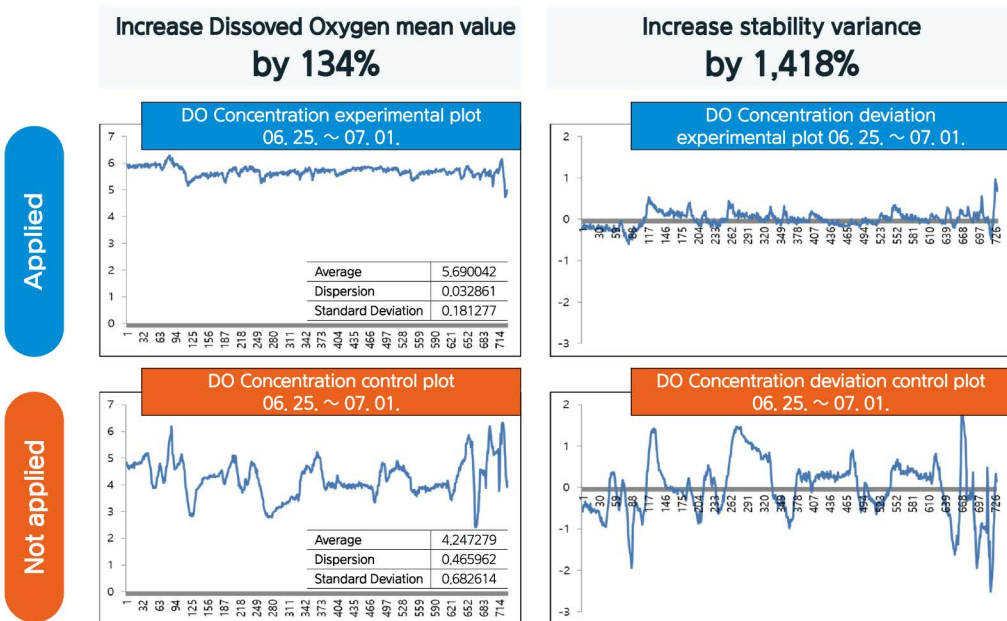
# Efficient Water Quality Management with ICT Technology

Automatically manage with the KD Plasma platform!

- \* Device management stability
- \* Error notification system
- \* Operating dangerous situation diagnosis
- \* Efficient monitoring system



Dissolved oxygen improvement! Water quality stability is secured!



# Aqua Plastom Installation Photos

Indoor fish farm



Research institute



Spiny lobster farm



Open-field fish farm



Reuse of river water



# Field of Application



## Smart Aquafarm

- Shrimp, trout, salmon, eel, abalone, seaweed, laver
- Sterilization of incoming / outgoing and circulating water

## Smart farm

- Agricultural Water Storage Tank Water Treatment
- nutrient solution sterilization, Reuse • River water reuse

## Cooling tower water treatment

- Circulating water treatment without chemicals

## Pools and water facilities

- Swimming pool, fountain, outdoor pool, villa pool
- Food processing washing water
- Water purification plant reinforcement sterilization
- Rainwater storage tank
- Green algae and red tides
- Quarantine sites

## High-concentration odor treatment

- Livestock odors, factory odors, combustion, and aeration odors

## Air sterilization

- No filter air purification, particle & virus in air sterilization

## Safe pool operation

- Purification of infant pool, health pool, physical therapy pool, training pool (police, fire department, military camp)

# Maintenance System

No worries about maintenance and breakdown!



## What is a plasma care package?

Plasma Care Pack is an **extension service** provided exclusively when purchasing KD plasma products. **Reduce unexpected spending** and use KD plasma products with confidence at a lower cost.

Plasma reactor

+

Control unit

+

Ozone discharge device part

+

Water tank & Piping part

\* One-year pack & three-year pack \* Excluding circulation pumps

# AquaPlastom does not require complex equipment. It can be installed anywhere with electricity.

It is an accurate, flexible, and efficient advanced water treatment device with IT convergence technology.

## AQPS Model Lineup

AQPS Model	Capacity(Ton/hr)	Power(kW)	Remarks
AQPS-SI Single	2 ~ 5	0.8 ~ 1.2	
AQPS-MD Single	9.5 ~ 18	3.5	* Operating method: Diluted sterilization type, Reinforcing sterilization type
AQPS-MD Double	19 ~ 36	7.0	
AQPS-MD System	28 ~ 90	10.5 ~ 17.5	

## Sterilization and Oxygen supply system(Plasma)

Item/Specification	Capacity(Ton)	Power(kW)	Remarks
Sterilization and oxygen supply system(Plasma) AQPS-MVO01	200 ~ 2,000	6	Sterilization and Dissolved Oxygen Supply

## Plasma Air Supply System for Aquafarm

Item/Specification	Capacity(Ton)	Power(kW)	Remarks
Plasma air supply system AQPS-MV01	200 ~ 3,000	6	Dissolved organic matter discharge

※ This may change depending on the installation environment. SIZE : 1,500(L) x 945(W) x 2,115(H)mm



K-INNOVATIVE  
PRODUCT



EXCELLENT  
PRODUCT



EPC



KOREA  
CERTIFICATION



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