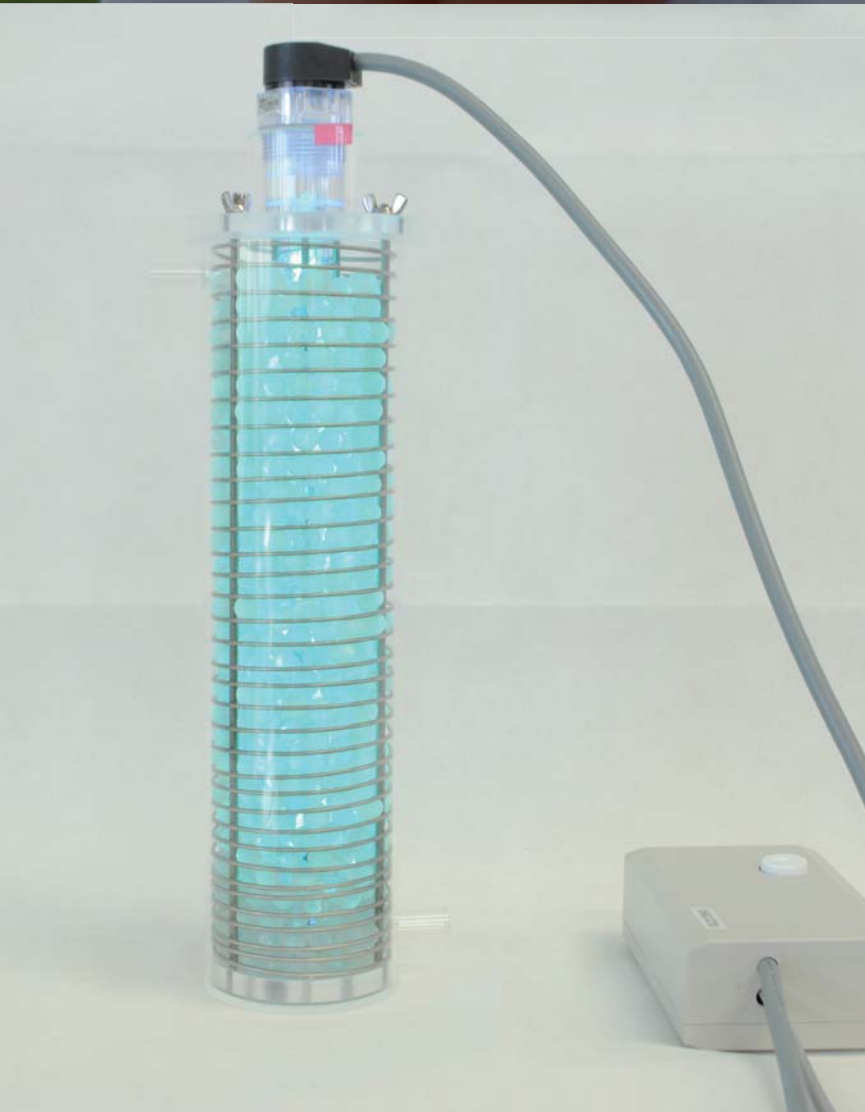




Next Generation Water Quality Purification Device for Eliminating All Organic

Bacteria & Plankton Erasure

BP Eraser product catalog



Measures against drinking water

Environmental measures

Soil pollution control

Aquaculture

Aquarium

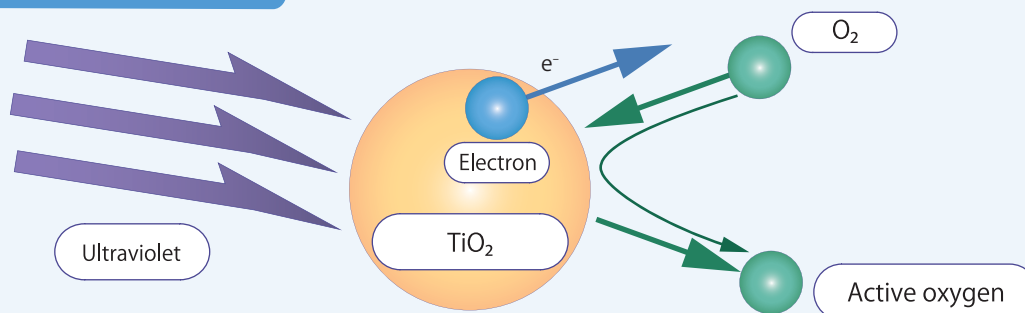
We will make beautiful water and safe water !

What is BP Eraser?

This equipment uses ultraviolet rays with strong bactericidal power and photocatalytic reaction. Therefore, it can also decompose bactericidal and virus bactericidal disinfection, plankton control, chemical substances such as agricultural chemicals. In addition, it is a next-generation water purification device with excellent energy saving performance.



Principle of photocatalyst



When ultraviolet rays hit the titanium oxide, it is excited and a strong oxidizing power is generated on the surface. This oxidation power is caused by oxygen being activated by photocatalyst and becoming active oxygen with high reactivity. The active oxygen produced by the photocatalytic reaction of titanium oxide contains atomic oxygen that can oxidize carbon monoxide even at low temperatures, so that most organic matter can be completely decomposed to carbon dioxide and water.

Features of BP Eraser

① Can handle from a small amount of water to a large amount of water

BP eraser can be used not only by putting it in a cylindrical case but also attached to a flanged container. Therefore, we can process a large amount of water such as a lake from a small amount of water like an aquarium fish tank.

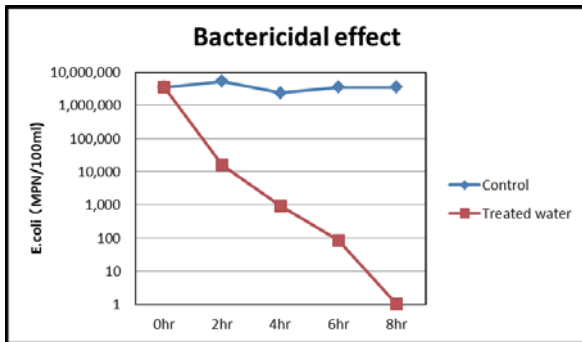
② Can be used in freshwater and seawater

BP eraser, we use stainless steel with strong salt tolerance. Therefore, it is a big feature that you can use either fresh water or seawater.

③ It can also be used as an ultraviolet sterilization lamp underwater

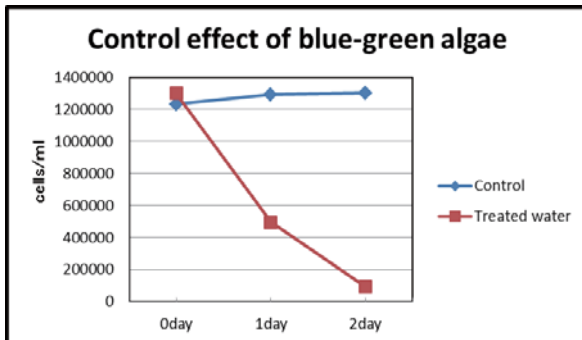
BP Eraser can also be used only with ultraviolet sterilizing lamp without using photocatalyst. It also shows great effect as a simple underwater ultraviolet sterilization lamp.

Bactericidal effect of E. coli by BP eraser and control effect of blue-green algae



Bactericidal effect of E. coli by BP Eraser (BP-1)

Time course of the number of coliform bacteria when 60 L of water containing high value E. coli was treated with BP Eraser (BP - 1).

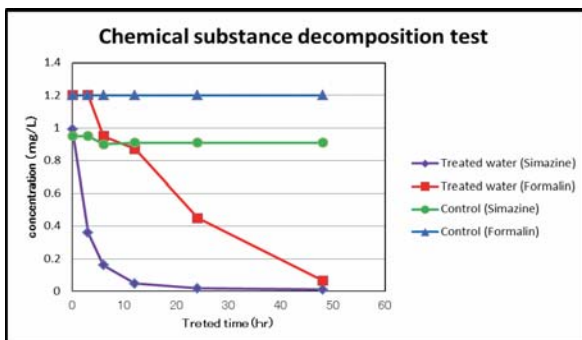


Algicidal treatment of blue-green algae (Aoko) by BP Eraser (BP-1).

Changes in the number of cells when 60 L of water containing blue-green algae (Aoko) was subjected to algicidal treatment with BP Eraser for 2 days.



Chemical substance decomposition test



Chemical substance decomposition test by photocatalytic water quality purification device.

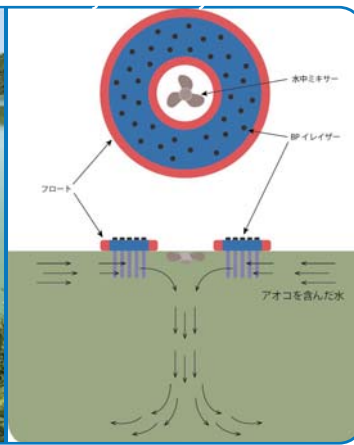
Change in concentration over time when decomposition test was conducted with 200 L of formaldehyde and simazine (pesticide) mixed solution.

The test result is based on the previous model (Aoko Erasure).

Effect by BP eraser

- Death and disintegration of plankton
- Sterilization of bacteria and virus
- Death, decomposition, inactivation of chlorine protozoa such as Cryptosporidium
- Decomposition of pesticides and hazardous chemicals

Combinations according to purpose



specification

Model name	Power consumption	Voltage	Outer dimensions	OD	Bulb life
B P-1	8w	100 V	about 250mm	about 90mm	4,000hr
B P-2	15w	100 V	about 400mm	about 90mm	4,000hr
Material	Metal parts : SUS316, Resin parts : acrylic, Ceramics				

Manufacturer / distributor

Nature

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