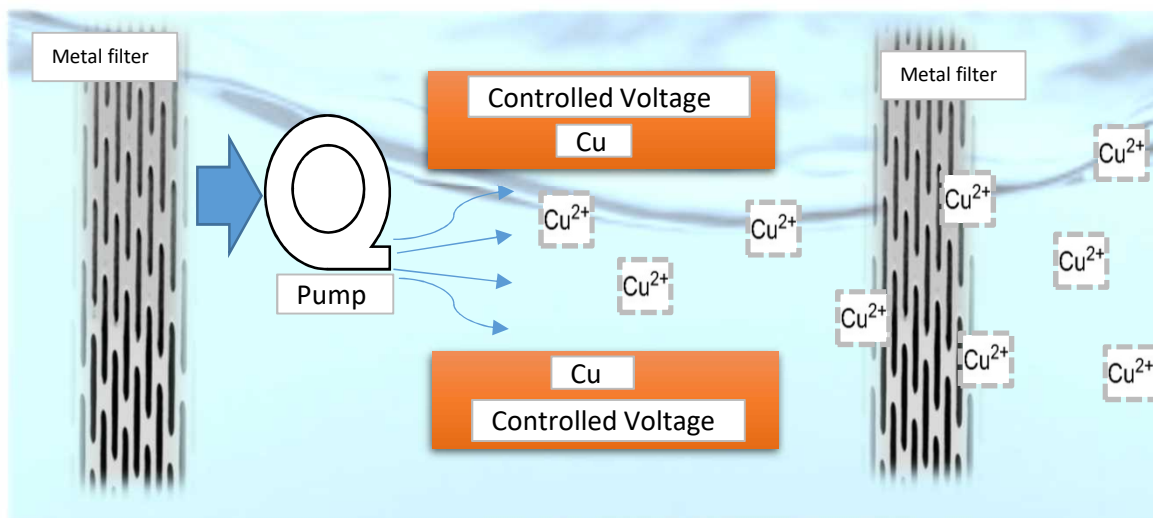


# IONSAVER

Copper ion generator  
Sterilization • Algae control device



# Structure of IONSAVER



## Application examples

Cooling Water equipment



Amenity water facility



# Oligodynamic metal action of copper

## Algal removal

A copper ion permeates into an algal cell and obstructs a dietetic energy conversion system. Therefore, a cell is annihilated.

## Slime removal

A copper ion extirpates the microbe which forms a slime.

Antibacterial activity of a copper ion

Amount of addition	Viable cell count			
	Time of a start	1 hour after	3 hours after	6 hours after
Coliform bacillus 0.8%	$2.7 \times 10^5$	$9.8 \times 10^2$	0	0
Staphylococcus aureus 0.8%	$3.1 \times 10^5$	$1.2 \times 10^4$	0	0
Legionella bacteria 1ppm	$9.5 \times 10^3$	$5.7 \times 10^2$	0	0

The characteristic of a copper ion

What is a copper ion?

Copper of metallic elements that emits electrons underwater and liquatedout is a copper ion.

Copper and a copper ion are harmless to man, and it is a required element for a human body on the contrary. And, it is well-known that verdigris is harmless.

## specification

Power Supply : AC90V-AC240V

Applicable water volume : Max 500ton

Water temperature : 0°C - 100°C

Power Consumption : Max 120Watt

Option : Water level Float switch

## Maintenance

The maintenance for 1 time / 3 months - 12 months is needed by the setting situation.

( Exchange of copper material. Exchange of a pump etc. )

## Dimensions



### SAFETY CAUTION

To ensure correct operation, be sure to read the operating instructions carefully before use.



Made in japan

IONSAVER is an authentically Japanese-made Sterilization /Algae control device developed by Beatrix engineers. It enables worry-free use worldwide with its solid build quality, high durability and global power standard compatibility that supports even unstable power supplies.



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