ElecQUA

electronic aquarium

www.elecqua.co.kr


seize [si:z]
the temperature
Revolution!
In Maintaining Aquarium
Water Temperature.
120Liter
Up 7℃
Down 4℃
Don't worry about the temperature
of ornamental fish anymore.
Smart IoT Constant Temperature Device
to maintain aquarium water temperature.

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the temperature

Automatic management system

Chiller and Heater in one

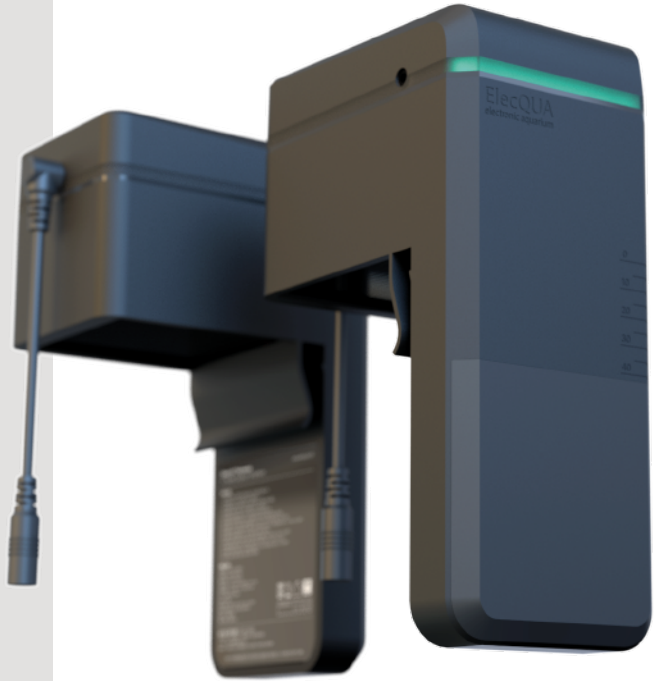
No device replacement required.

Automatically supply hot/cold water by detecting the change of season.

It operates based on the set target water temperature and sensitivity.

In case of setting target temperature 26℃ and sensitivity 0.1℃

*Above 26.1℃ = Cooling
Below 25.9℃ = Heating



Always maintain a constant water temperature with 「**seize**」.

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the temperature

Register the product to the wireless router.

Internet of Things (IoT)

Real-time temperature check.
Target temp and sensitivity Settings.
Noise (performance) control.
Real-time monitoring of device status.
Specify Night mode.
Provides local weather information.
Temp sensor calibration function.

GET IT ON Google Play

Download on the App Store

You can check and control the temperature anytime, anywhere.

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the temperature

High performance

Powerful and Quiet

Equipped with a dual ball bearing BLDC motor for excellent durability.

Combined with a high-power thermoelectric element, it supplies powerful energy.

Enable night mode to automatically adjust noise and LED indicator brightness.

Select mode to Stay comfortable.
(Silent, Standard, Turbo)

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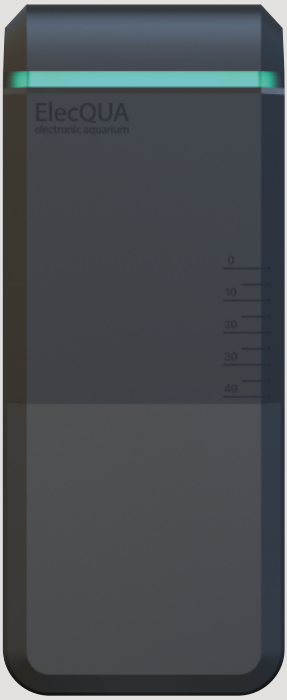
You've never seen before.



Reduce electricity bills with efficient heat exchange technology.

Power consumption less than 70W

The energy direct exchange system developed based on patented technology is efficient by minimizing the movement path of thermal energy.

70w X **24**h X **30**d=**50.4kW**
***Assuming it works non-stop for a month**

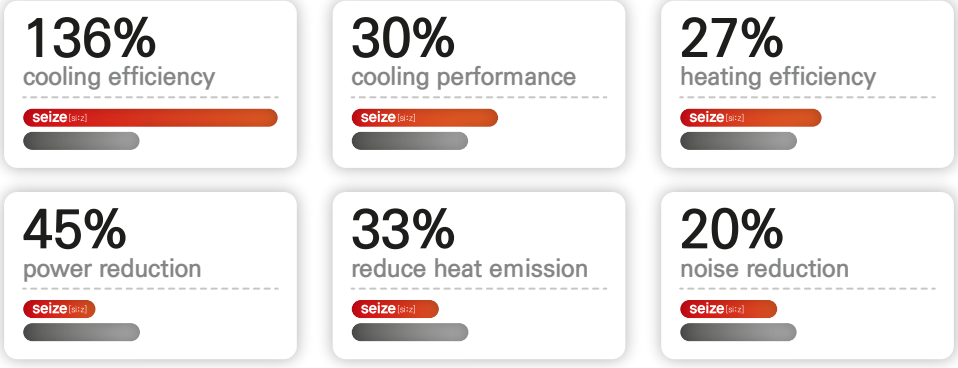
*Patent registration number : 10-1972373 / 10-1983255

Thermoelectric devices have low performance and efficiency?

We changed all existing processes and started from scratch.

The energy direct exchange system developed to avoid thermal bottlenecks is based on thermodynamic technology for efficient control of thermal energy.

It is also the most advanced technology that completely solves the corrosion problem of heat exchangers, requiring 4 years of research and development.



*This is a comparison with a 133W product sold on the market.

seize [si:z] comparison product

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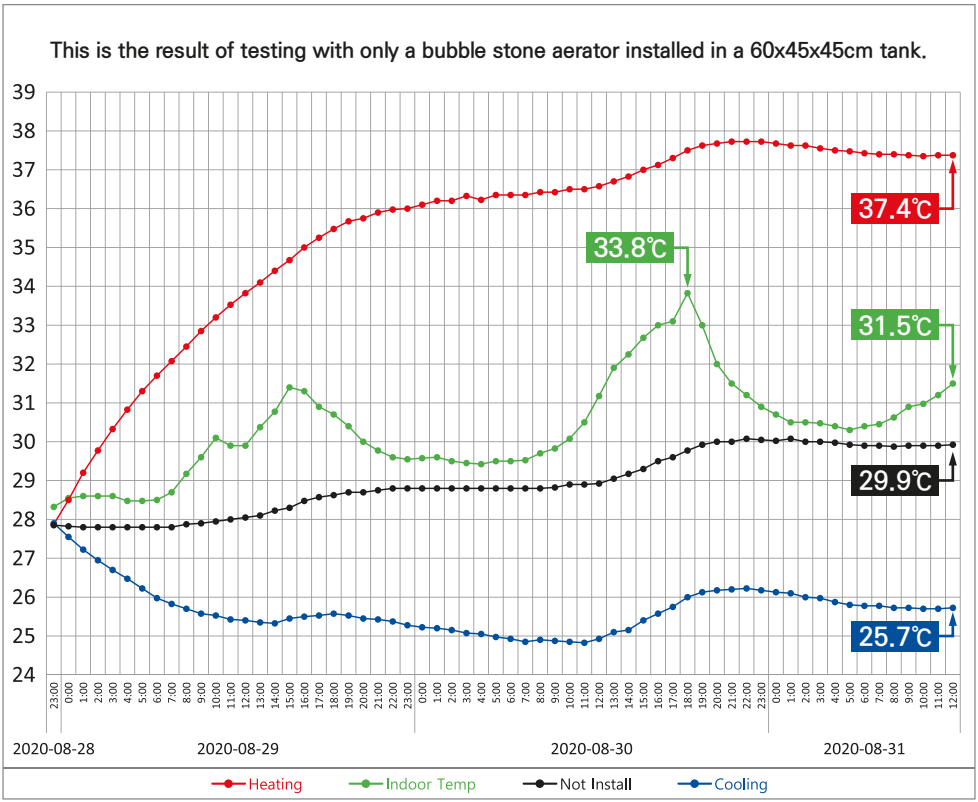
Performance of 4℃ for cooling and 7℃ for heating.



*2020.08.29~2020.08.31

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the temperature

Don't worry about corrosion.

No corrosion even when used in seawater.

We developed an exposed heat exchanger with 0% corrosion rate, so it can be safely used even in seawater.

It delivers powerful energy directly with minimal heat loss.

*Be careful as impacting the heat exchanger may damage it.

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the temperature

Easy to clean

No additional components such as pumps are required.

Unlike circulation conveying products, the heat exchanger can be cleaned easily and conveniently.

Periodic cleaning with a soft brush will prevent performance degradation.

Turn off the power, remove the controller and clean it.

* In the case of products with circulation transfer method, deposits are generated in the heat exchanger, which causes performance degradation.

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the temperature

Temp. sensor is replaceable.

Sensors are consumables.

- Equipped with an precision sensor with an error rate of 0.5%
- Waterproof rating IP68 (PVC Injection Probe)
- Water temperature sensor can be calibrated

Super constant temperature technology (±0.1℃)

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the temperature

Equipped with safety device

Electronic control of an H-bridge circuit composed of **MOSFET**s

Water temperature
sensor malfunction detection.
BLDC motor
malfunction detection
Quadruple
waterproof structure body
Heat exchanger
anti-corrosion technology
Equipped with ceramic fuse
low heat power supply

1 year warranty

Excluding customer negligence

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LED indicators at a glance

Shows working status

- Cooling
- Stability
- Heating
- Sensor ERR
- FAN ERR

If an error is detected,
the device stops working.

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the temperature

User centered design

Product installation takes 5 seconds

Can be installed without professional help

Calculate the amount of water using GAUGE.

*The calculation formula is simple.
(W x H x D ÷ 1,000)

No additional parts required.
(Water pump, hose...)

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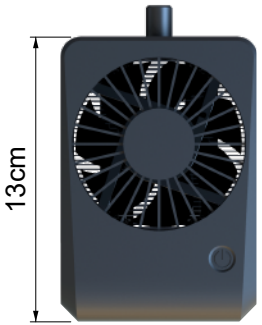
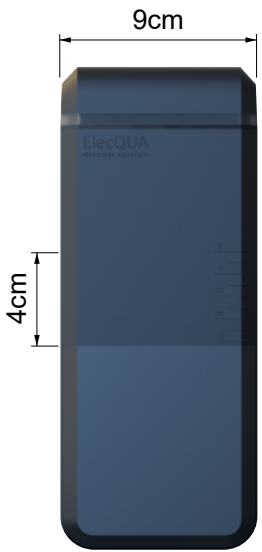
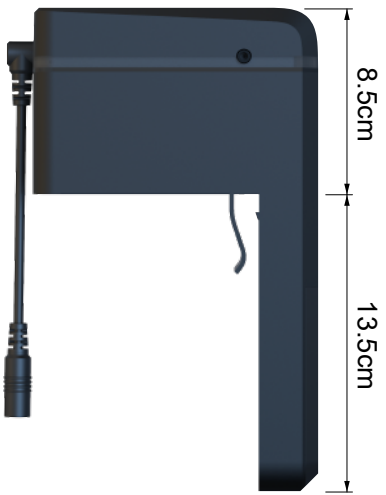
IoT Constant Temperature Device
to maintain aquarium water temperature.

*Can be mounted on fish tank less than 10 mm.







www.elecqua.co.kr

ElecQUA Co., Ltd.
www.elecqua.co.kr/en
82-31-914-8684 [1aqua@1aqua.co.kr]

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the temperature

Brand : ElecQUA
Model Number : seize-EQ103W
Support WiFi : 2.4GHz
Wireless Type : IEEE802.11b/g/n
Input : 100-240V~50/60Hz 2.5A
Output : DC 12.0V / 7.0A ; 84.0W
Standby Power : 3W/h
Certification Number :
R-R-EQA-seize-EQ103W
Cooling Method : Peltier
Material : PCABS & etc
Dimensions : 3.5 x 8.6 x 5 inch
Weight : 830g
Manufacturer : ElecQUA Co., Ltd.
Country of Origin : Republic of Korea
Seller : 1AQUA