



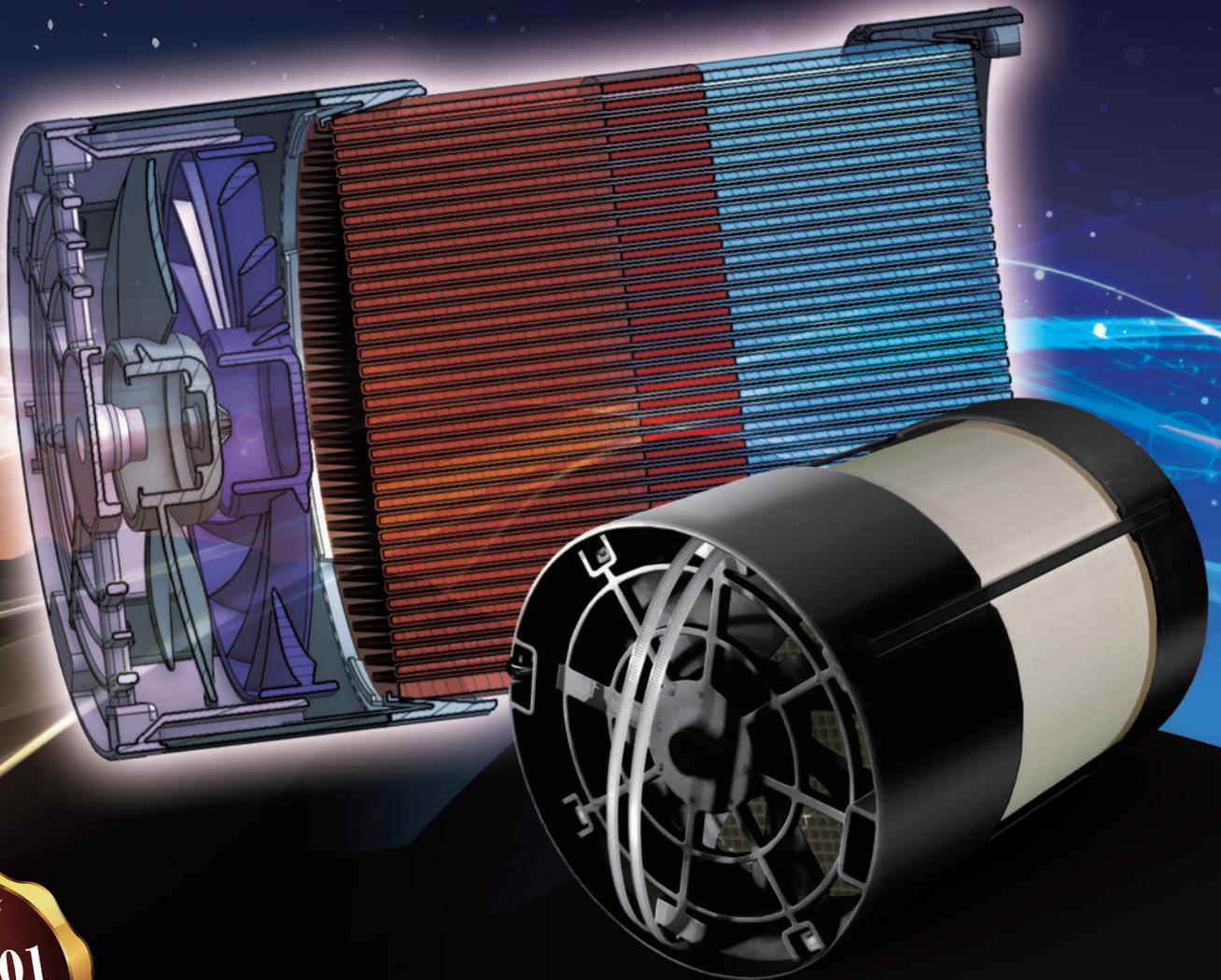
PASSIV ENERGIE JAPAN™

— 未来へつなぐ家…パッシブデザイン —

SESERAGI

DUCTLESS HEAT RECOVERY VENTILATION SYSTEM

HEAT RECOVERY OF UP TO
93%



PATENTED
PASSIV TECHNOLOGIE

The ductless heat exchange system 「SESERAGI®」 provides a constant stream of fresh air, while maintaining a comfortable indoor environment and prolonging the effects of air-conditioning. to achieve energy savings!

1. AIR EXHAUST

WINTER

In winter, used air is vented outwards. While passing through the 「SESERAGI®」, thermal energy of the air is stored in the heat storage element.

SUMMER

In summer, the cool air-conditioned indoor climate can be preserved, while dirty particles are filtered out.

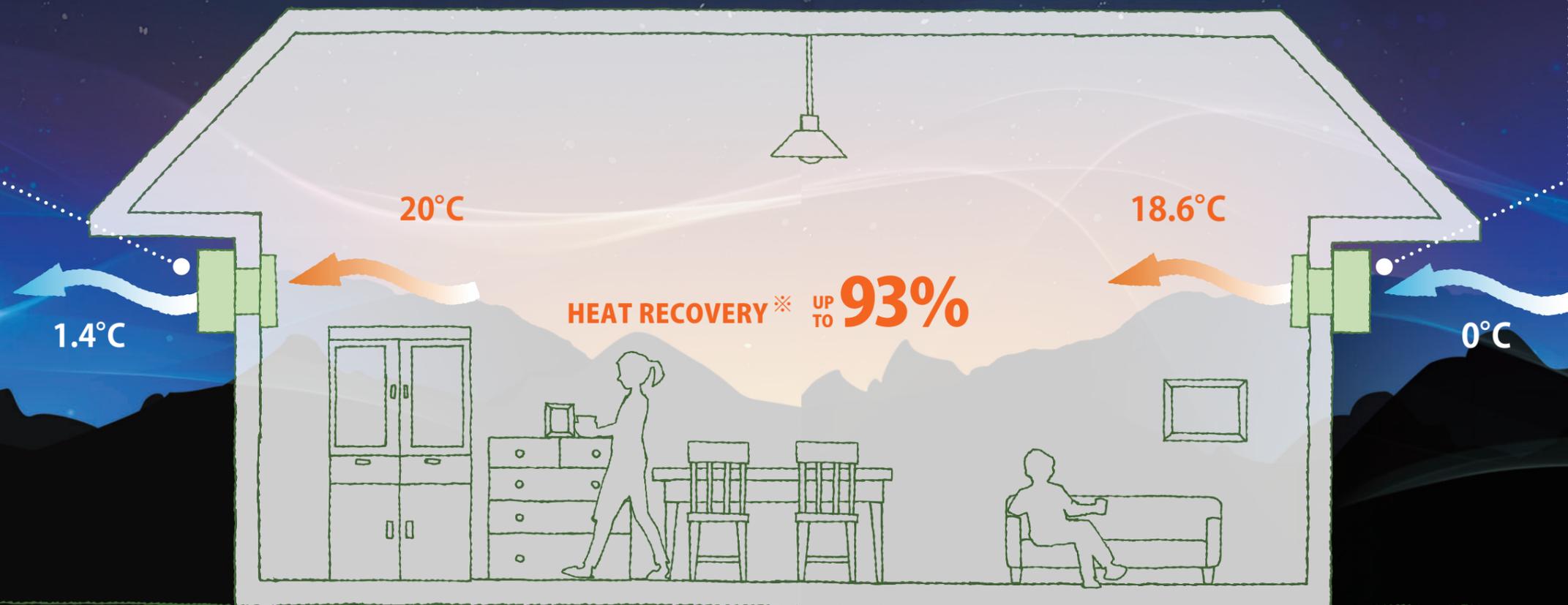
2. AIR SUPPLY

WINTER

When cold winter air passes through the 「SESERAGI®」, heat is transferred from the storage element, resulting in a warm and comfortable air inflow.

SUMMER

The heat storage element of the 「SESERAGI®」 cools down the incoming hot and moist summer air, keeping both room temperature and room humidity at comfortable levels.

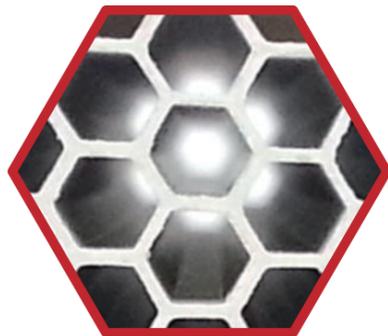


※The 「Seseragi®」 ventilation system switches between air supply and exhaust every 70 seconds, while keeping the room temperature comfortable.

「SESERAGI® HEXAGLOT®」

Hexaglot – Honeycomb shape for efficient heat recovery!

The distinct hexagonal honeycomb shape of the SESERAGI® HEXAGLOT® allows for an optimal heat transfer from the air to the ceramics heat storage element. The element is made from high-quality oxidized ceramics ($Al_2O_3-SiO_2$), which enables it to achieve its astonishing heat recovery rate of up to 93%! The SESERAGI® HEXAGLOT® works in union with the GaussFan03, which can alternate its ventilation direction. Together they manage a volume of up to 80m³/h fresh and tempered air. Keeping the room climate stable, while saving energy.



The ceramics element is coated with photocatalytic WO_3 particles, which are excellent at cleaning the air. When air passes by the catalyst, harmful gases and pollutants oxidize and are removed from the incoming stream of air.

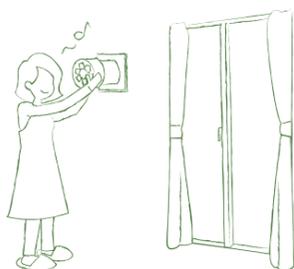
During the first 70s interval, used air is expelled while heat is retained.

Fully waterproof and hygienic maintenance

The Gaussfan03 motor of the Sesaragi® is conforming to the IP68 standard. It is completely water- and dust-resistant. For easy maintenance, just put it into the dishwasher!



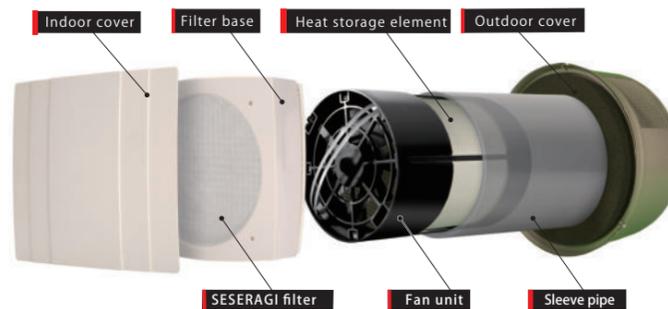
1x Year
Dishwasher safe!



Easy maintenance

Sesaragi is designed for easy maintenance. The ventilation unit can be pulled out of its sleeve without any trouble. Both, the ceramics element and the fan, are completely waterproof and may be put into the dishwasher.

THE ASSEMBLY OF THE 「SESERAGI®」



A FAN UNIT EXCLUSIVE TO SESERAGI®

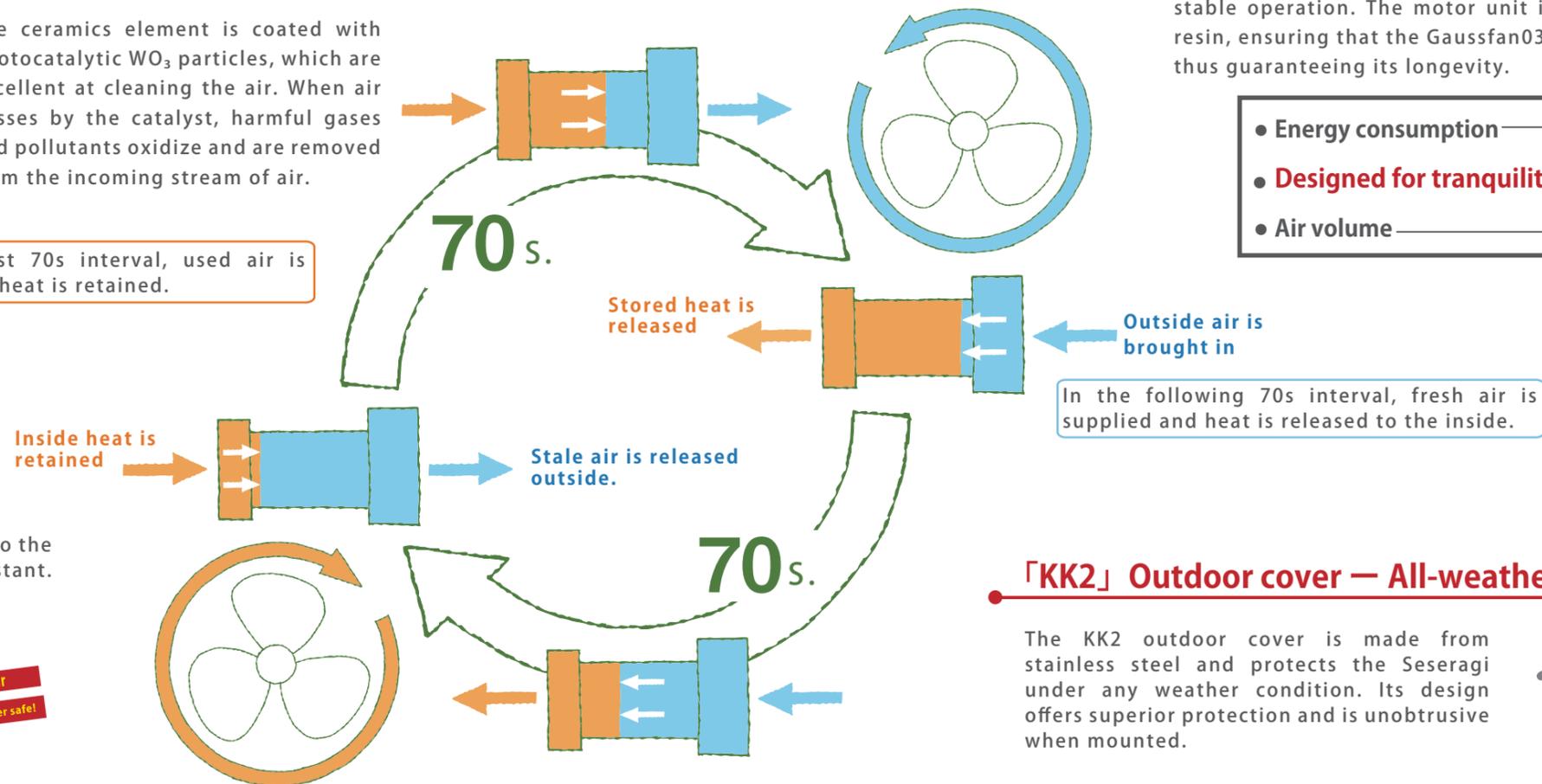
passiv
Gauß Fan 03

Patent pending



The Gaussfan03 runs with an independently developed high-performance DC motor, which operates with minimal energy consumption (1.6w/h). Even while operating 24h/day, 365 days/year, the annual energy bill would only total to about 1.53€ per unit (At 0.29€/kWh and average fan settings). The motor axis is made of double stainless steel ball bearings and a microchip inside ensures stable operation. The motor unit is completely sealed with resin, ensuring that the Gaussfan03 is water- and dust-proof, thus guaranteeing its longevity.

- Energy consumption → max. **1.6W/h!**
- **Designed for tranquility** → Silent as a mountain creek.
- Air volume → **80m³/h!**

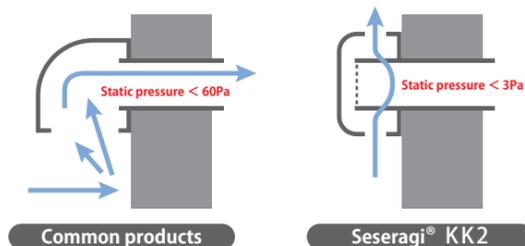


「KK2」 Outdoor cover — All-weather protection

The KK2 outdoor cover is made from stainless steel and protects the Sesaragi under any weather condition. Its design offers superior protection and is unobtrusive when mounted.



Common outdoor cover vs. Sesaragi® KK2



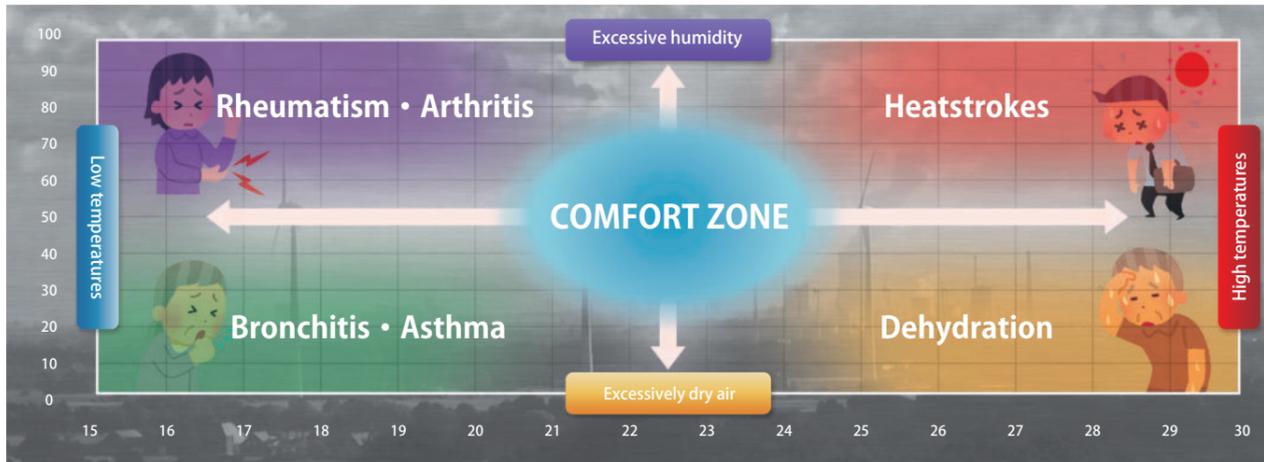
Stainless steel (JIS SUS304)

Sesaragi's special ductless design is based on the features of the Gaussfan03, which is able to change directions in intervals of 15s to 140s. In winter, heat is recovered from the used indoor air, which is being exhausted, and once the fan switches direction the heat is released back into the inflow of the cold outside air. In summer, the warmth and humidity of the incoming air is absorbed. Once the fan switches directions again, the outgoing air transports the heat and humidity back outside. Thus, Sesaragi is maintaining a stable room climate in winter as well as in summer.

- Sesaragi® standard size (150Φ)
- [Sold separately:]
- Sesaragi® Kitchen – Louver style (150Φ)
- Sesaragi Toilet – Louver style for bathrooms (100Φ)

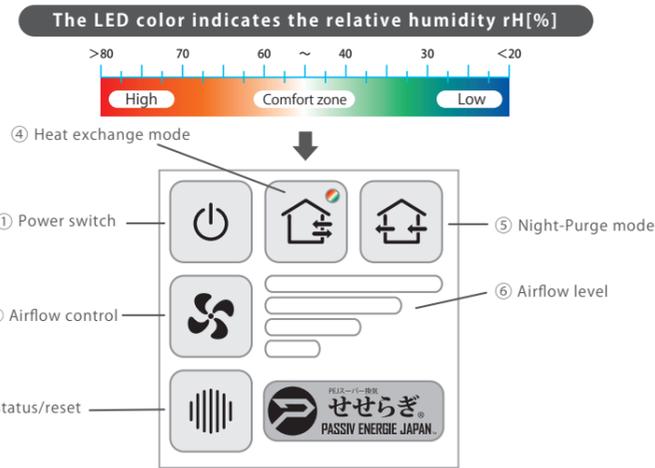
The「VMPX-NH」 humidity controller - Living in the comfort zone

Possible health hazards of imbalanced room temperatures and humidity

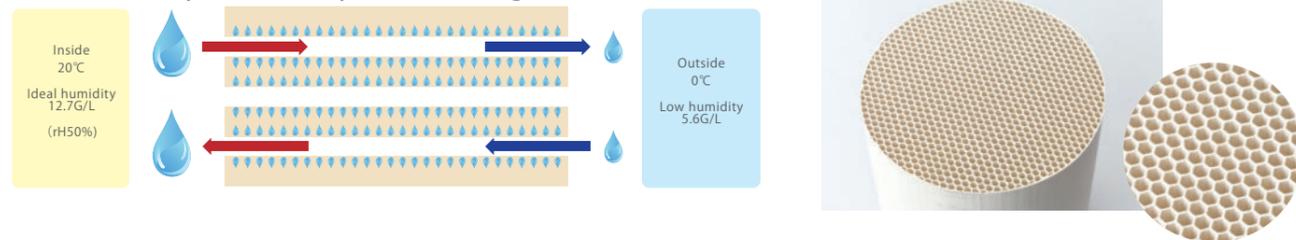


Automatic climate control

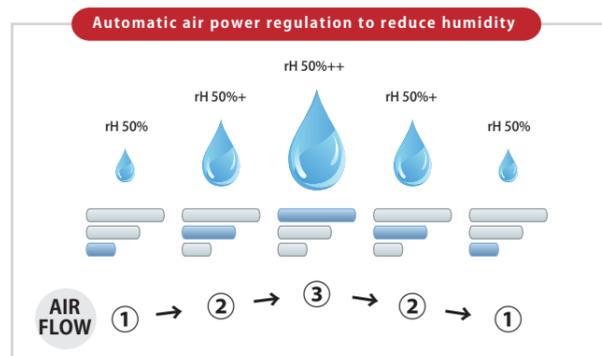
The humidity control of the ductless ventilation system Sesaragi® relies on the effect of adsorption to regulate the indoor humidity. Humid air is drawn to the coating of the Sesaragi's® ceramic element. This so-called adsorption effect is especially strong right after a change in ventilation direction and it diminishes over time. Guided by a humidity sensor, the Sesaragi® utilizes this effect to vary its ventilation cycles in intervals ranging from 15s to 140s, to preserve an ideal room climate.



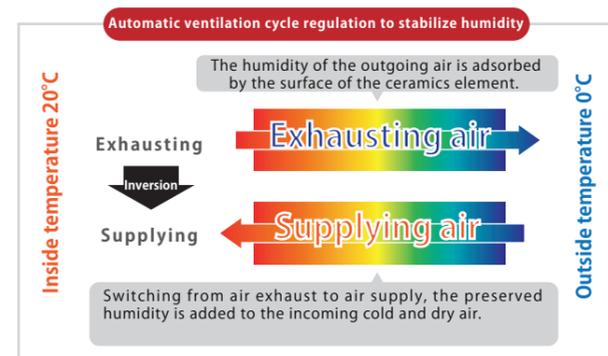
The rationality of humidity control using an ceramic element



Two types of humidity control



Increasing air flow leads to an increased amount of humidity being released. The amount may be adjusted to specific needs.



The inside humidity is regulated by changing the intervals of exhausting and supplying air within a range of 15s to 140s.

Patent pending



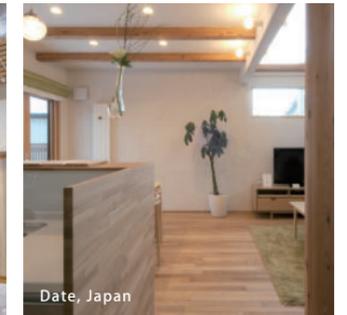
■ "There are no complicated ducts or cabling, so maintenance is as easy as it gets."



■ "Last winter I turned on the heating for barely an hour. Still, the room temperature remained comfortable."

■ "You can really feel the passion for the product."

■ "Room temperatures are kept at a constant level and I can feel no difference between the rooms."



A pleasant room climate – Every day, every year!



■ "I originally assumed that the system could not be installed in apartment buildings. Thus, I was quite delighted to hear how easily it can be done."

■ "I always had to rely on an electrical carpet during winter. Now I am happy without it."

■ "I definitely recommend trying it out. Easy to install and absolutely silent during operation. A stunning product!"



「SESERAGI®」 PRODUCT SPECIFICATIONS

SESERAGI® Hexaglot® No.: SKH150se-400

The ceramics element of the Sesaragi Hexaglot® is formed utilizing state of the art technologies to create its distinctive honeycomb shape. In combination with the Gaussfan03, the Sesaragi handles® air volumes of up to 80m³/h, while recovering up to 93% of the heat, ranking it top among its peers.

Fan unit	Heat recovery rate	Air volume (Turbo mode)	Power consumption (MAX)	Power consumption (Relative)	Annual operation cost per unit (1kWh= 0.29€)
Gaussfan03	93%	80m³/h	1.6W/h	0.04W/(m³·h)	1.53€
Heat storage element	Heat storage element diameter	Heat storage element length	Wall Thickness (WEV)	Sleeve circumference	Sleeve length
Honeycomb Ceramic Cartridge	150Φ	150mm	110~380mm	165mm	400mm

Premium wall-mounted ventilation system: Energy consumption 1.6w/h · Relative energy consumption 0.04W/(m³/h) · Air changes per hour: 0.5 · Ventilation effectiveness 100% · Heat exchange rate 93% · Correction factor for the alternation of venting and ventilation: 1.00 · Correction factor for excessive air leakage during heat recovery: 1.00

HIGH-PERFORMANCE FILTERS

Removing over 99% of pollutants

An ever increasing number of people suffers from allergies, which requires households to provide clean and filtered air. The Sesaragi® high-performance filters adhere to this need and are designed to create an optimal living environment.

● PM2.5 PARTICLE·POLLEN FILTER

Filtering capabilities



● SESERAGI® STANDARD FILTER INCLUDED

Filtering capabilities



Note: Values concerning filtering capabilities are for reference only. Actual values may deviate.

The PEJ ventilation system Sesaragi® requires little maintenance and can be cleaned from the inside. The ceramics element as well as the filter are both washable. If a filter needs replacement, you may find a new one on Amazon.



All parts are safe to wash with water after disassembly.

Search Seseragi filter

SEARCH

Available at
amazon

DECLARATION OF QUALITY

Passiv Energie Japan takes pride in its uncompromising commitment to quality and exceptional customer service. Our products are meant to be long-term investments into your living space. New versions are designed to be compatible with previous systems. Existing customers will always be able to upgrade their Sesaragi systems to integrate the newest developments.

FREE EXTENDED WARRANTY

On top of the common one-year warranty, we offer an extended service to our registered customers. This includes three years on the Sesaragi® itself and ten years warranty on the ceramics element.



PASSIV ENERGIE JAPAN™

— 未来へつなぐ家…パッシブデザイン —

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