

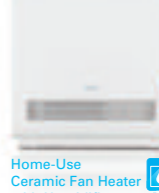
From large spaces where people gather to smaller, personal rooms.



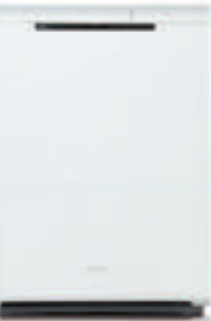
Ceiling mounted cassette model
VW-SN07AG/ VW-SN14AG



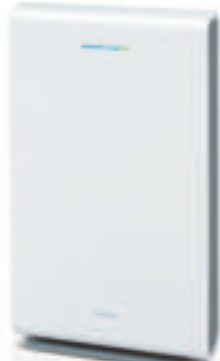
Humidifier
CFK-VW50



Home-Use
Ceramic Fan Heater
with Humidifier
RSF-VW500



Air Purifying System
VW-VF10BG



Home Use Air Purifier
ABC-VW24

**Ceiling mounted cassette model
VW-SN07AG/ VW-SN14AG**

Can cool or heat large spaces while also cleaning the air.
*Requires separate internal and external air conditioning units.
Photo shows system used with a VW-SPT140AG air conditioner.



**Air Purifying System
VW-VF10BG**

Controls viruses in large spaces up to 100 square meters in places such as schools and hospital waiting rooms.*



**Home Use Air Purifier
ABC-VW24**

Disinfectant electrolytic mist and 3-directional airflow provide clean air all year round.



**Home-Use Ceramic Fan Heater with Humidifier
RSF-VW500**

The humidified air and the water in the unit are fully sterilized, providing warmth and clean moist air.



**Humidifier
CFK-VW50**

The humidified air and the water in the unit are both fully sterilized, providing clean moist air that is soothing to the throat and skin.



Dust Trapping and Deodorizing by the Air Purifying Unit

The unit cannot eliminate the toxins (carbon monoxide, etc.) contained in tobacco smoke. It also cannot completely remove odor-causing substances that are being generated on a constant basis, such as those from building materials, pets, etc.



Air Purifier System

VW-VF10BG

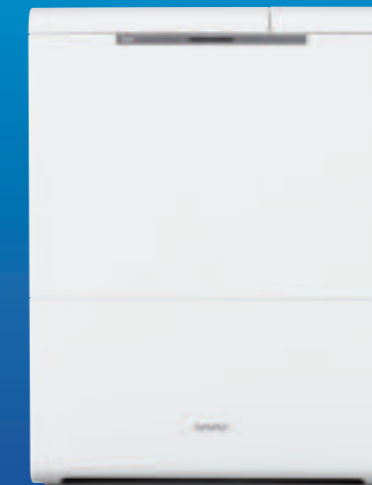


Protect your loved ones from viruses



virus washer

Air care — "wash" it with water.



Specifications

Model number	VW-VF10BG	
Power source	AC 220-240 V, 50-60Hz	
Dimensions	mm	790 (H) x 580 (W) x 297 (D)
Weight	Product weight	kg 33
	Operating weight	kg 39 (when water supply tank is full)
Exterior color (Munsell number)	Front panel:	NW-K11 (VW white), Munsell value: N 8.5
	Side panel:	NW-K12 (VW gray), Munsell value: N 4.0
Operation	Operating modes	High / Mid / Low
	Ambient usage temperature	5-35°C
	Water to be used	Tap water (potable)*1
Electrical characteristics	Power consumption	W High: 145, Mid: 78, Low: 57
	Current	A High: 2.10, Mid: 1.20, Low: 0.88
Ventilating device	Type and number	Sirocco fan, x 1
	Rated airflow	m ³ /min High: 10, Mid: 5, Low: 2
	Motor output (no. of poles)	W 60 (8)
	Louver	Two louvers (with swing function, closing with power OFF)
Continuous operating time*3	Summer	hours High: 7, Mid: 12, Low: 18*4
	Winter	hours High: 6, Mid: 10, Low: 15*5
Disinfectant element	Stationary type	
Water supply and drainage	Water supply tank (capacity approx. 6 liters), drainage tank (capacity approx. 2 liters)	
Operating noise	dB (A)	High: 49, Mid: 35, Low: 29*2

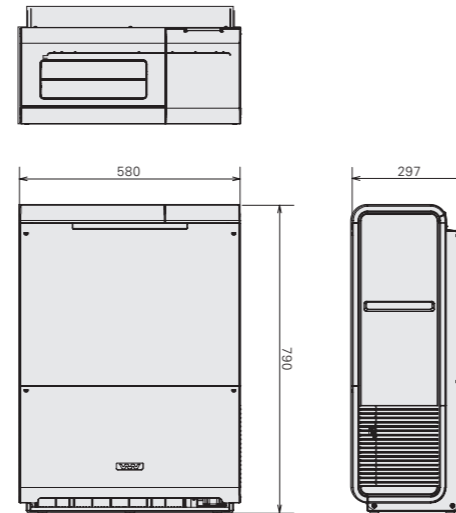
Options

Water Supply Connection Kit	DP-KHVV10BG
High-performance micro-particle filter	AFT-HVV10BG

Built-to-order model

Model with built-in Water Supply Connection Kit	VW-VFD10BG
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Dimensions (mm)



Specifications with high-performance micro-particle filter mounted

Model number	AFT-HVV10BG	
Particle trapping efficiency	%	Equivalent to 65% by colorimetric assay method (equivalent to 93% by gravimetric method)
Rated airflow	m ³ /min	High: 8, Mid: 4, Low: 2
Operating noise	dB (A)	High: 49, Mid: 35, Low: 29*2

* Use only tap water for this product. The direct use of well water or purified water may cause malfunction. • The consumable parts of this product must be replaced regularly to ensure satisfactory operation over a long period of time. For details, please refer to the operating instructions that come with the product. • The airflow will be reduced when the high-performance micro-particle filter is mounted.
*1: Be sure to use only tap water (drinking water) for this product. The settings of the product may need to be changed to suit the water quality of some regions. Also, the tap water of some regions cannot be directly used. For details, please refer to the operating instructions that come with the product. *2: Operating noise was measured in an anechoic chamber, with measurements taken 1 meter from the front of the product, and 1 meter above the product. These values have a tendency to increase when the product is actually installed, due to surrounding noise and vibration. *3: The continuous operating time was measured with a full water supply tank (6 liters). *4: Approximate times at room temperature of 27°C and 47% humidity. *5: Approximate times at room temperature of 20°C and 30% humidity.

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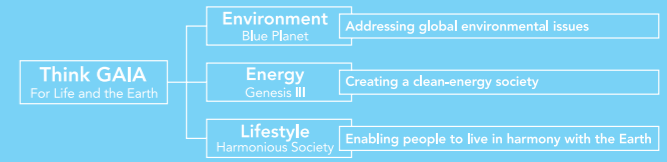


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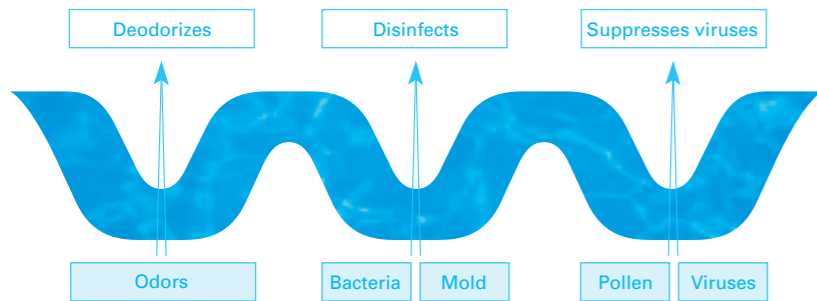
Controls airborne viruses and pollen even in large spaces. Keeps your air clean through the power of water.

SANYO believes in a Think GAIA vision. We set our sights on the invisible - the air for the health of the children and future generations.



SANYO is pursuing three programs to make the "Think GAIA" vision a reality.

SANYO's electrolyzed water technology is already at work in swimming pool sterilization systems and in SANYO's zero-detergent cycle washing machines. Now this same virus washer technology has been used to create an air purification system that is capable of using the 'power of water' to clean the air in large spaces where people gather. This system removes airborne viruses, bacteria and mold, as well as pollen, dust mite feces and shells, and removes odors caused by tobacco and pets.



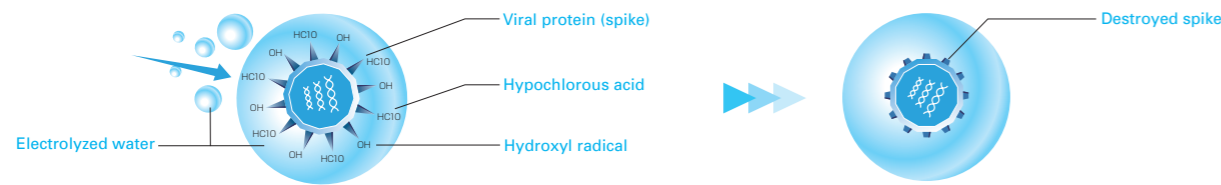
SANYO Electrolyzed Water Technology

The Virus Washer is based on electrolyzed water technology developed by SANYO. This system electrolyzes tap water containing chloride ions to generate hypochlorous acid and hydroxyl radicals, which are two different types of active oxygen species that suppress viruses. Maintaining a high concentration of these active oxygen species in the electrolyzed filtration water effectively fights microbes.

Mechanism of virus suppression by electrolyzed water

The hypochlorous acid and hydroxyl radicals in the electrolyzed water destroy the spikes (viral protein) on the surface of viruses, effectively preventing infection.

Deformation and decomposition of viral spikes

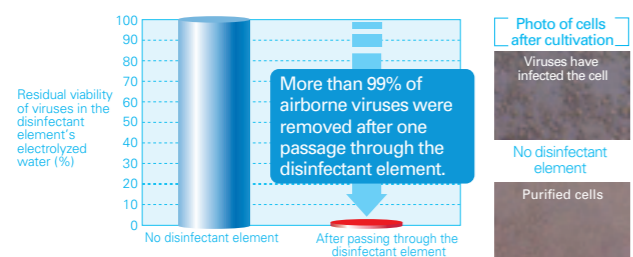


Effectively suppresses airborne viruses and allergens

A double punch using two different agents that are very effective in purifying air, hypochlorous acid and hydroxyl radicals, rapidly suppresses and sterilizes infectious agents and removes odors.

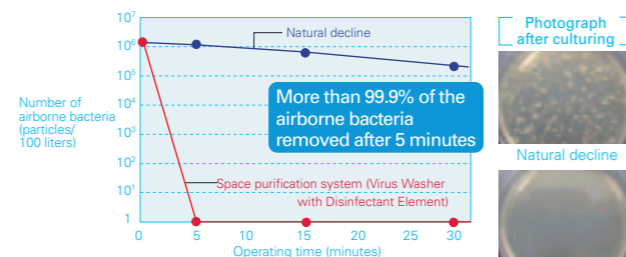
The disinfectant element inside the unit suppresses viruses and bacteria.

Virus suppression test results



Test method: Air containing suspended viruses is passed through the disinfectant element containing electrolyzed water, after which the remaining airborne viruses were trapped and residual virus populations were evaluated in cell cultures by TCID50 assay. Testing organization: Gunma Prefectural Institute of Public Health

Airborne bacteria disinfectant test results



Test method: Bacteria were suspended in a 2-cubic-meter test chamber and the air purification system (Virus Washer with Disinfectant Element) was operated. Microbes remaining in suspension were trapped periodically and the change over time was evaluated by the pour plate method. Testing organization: Gunma Prefectural Institute of Public Health together with SANYO Electric

Verified through academic research by the Gunma Prefecture Institute of Health and other public health institutes.

[Test result 1] Airborne viruses 99.9% reduction^{*1} [Test result 2] Airborne viruses 98% reduction^{*2}

^{*1} Air containing viruses was passed through the electrolyzed-water disinfectant element, and the viruses were collected. Their infectious capacity was then measured with embryonated egg cultures. Test institute: Tottori University
^{*2} An actual unit (Virus Washer with Disinfectant Element) was operated in a 9-square-meter laboratory, where a virus solution was sprayed into the air for 30 minutes. Fifty minutes after the spraying was stopped, the viruses were collected, and their infectious capacity was measured with cultured cells. Test institute: The Kitasato Institute Research Center for Medical Environment

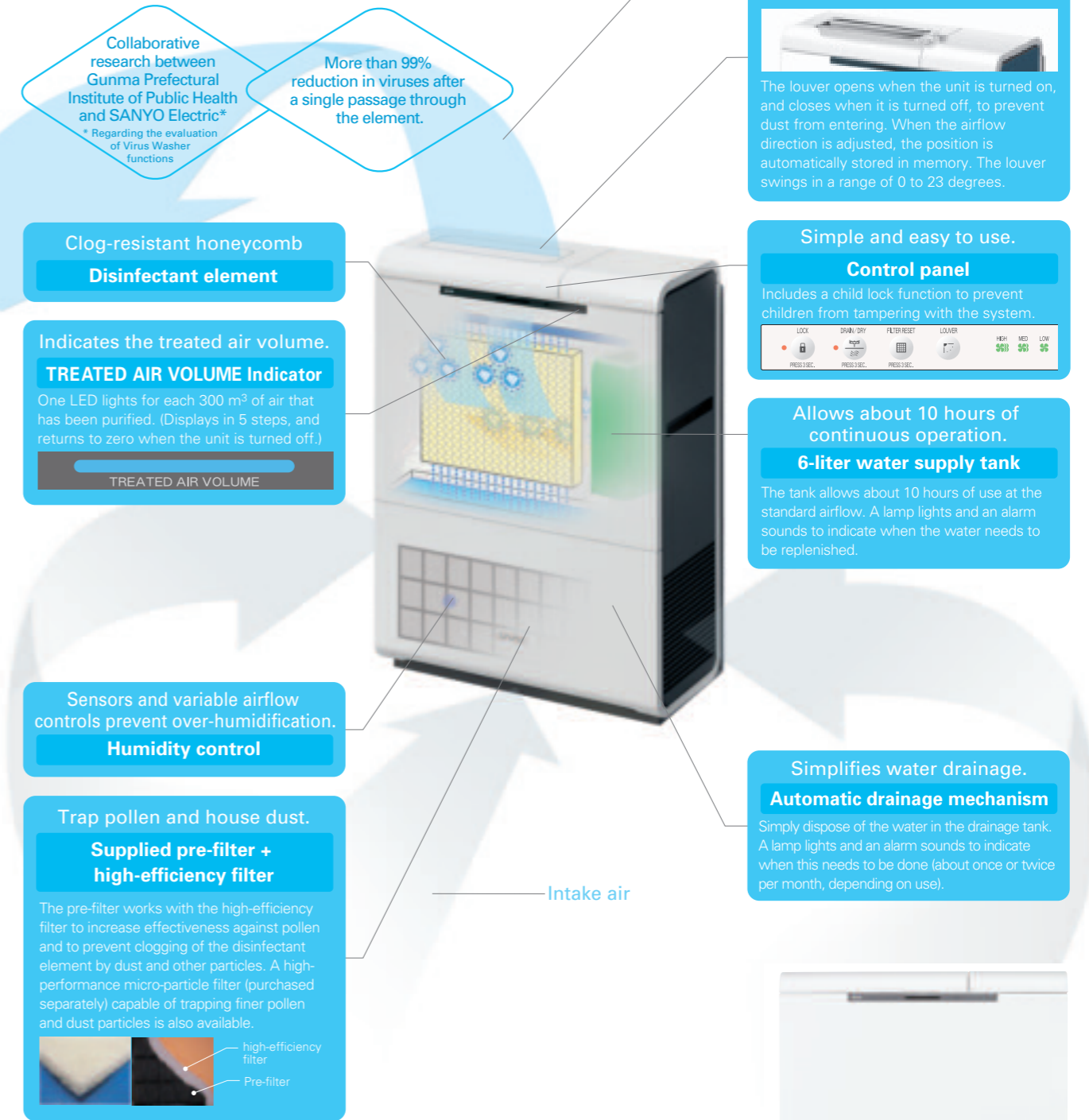
Electrolyzed water works in several ways to help purify air

Disinfectant effect Airborne mold 99% reduction ^{*3}	Allergen control Pollen 95% reduction ^{*4}	Dust mite feces and shells 99% reduction ^{*5}	Dandruff from dogs or cats 97% reduction ^{*6}	Deodorizing effect Speedy deodorization of tobacco odor ^{*7} , pet odors ^{*8} , and others.
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^{*3} Testing method: Mold particles were suspended in an approximately 9-cubic-meter test chamber and disinfectant electrolytic mist was released into the chamber. An air sampler was used to evaluate the number of residual airborne mold particles. Testing organization: Japan Food Research Laboratories
^{*4} Testing method: Disinfectant electrolytic mist was released into a 0.275-cubic-meter test chamber containing pollen particles, and the reduction in the number of pollen particles was evaluated by the enzyme antibody method. Testing organization: Osaka Medical College
^{*5} Testing method: Disinfectant electrolytic mist was released into a 0.275-cubic-meter test chamber containing dust mite particles, and the reduction in the number of dust mite particles was evaluated by the enzyme antibody method. Testing organization: Kobe University School of Medicine
^{*6} Testing method: Disinfectant electrolytic mist was released into a 0.275-cubic-meter test chamber containing dog and cat dander allergens, and the reduction in the number of dander allergens was evaluated by the enzyme antibody method (ELISA). Testing organization: Oriental Yeast Co., Ltd.
^{*7} Testing method: Three gases with different odors (acetaldehyde, acetic acid, and ammonia) were released into a 0.275-cubic-meter test chamber and then passed through a disinfectant element. The percentage of residual gas was then measured. Testing organization: SANYO Electric
^{*8} Testing method: Four gases with different odors (ammonia, acetic acid, trimethylamine and methyl mercaptan) were released into a 0.275-cubic-meter test chamber and then passed through a disinfectant element. The percentage of residual gas was then measured. Testing organization: SANYO Electric

Quickly and powerfully purifies air in spaces as large as 300 cubic meters.

Controls airborne viruses by forcibly circulating electricity through a disinfectant element containing electrolyzed water.



Collaborative research between Gunma Prefectural Institute of Public Health and SANYO Electric*
* Regarding the evaluation of Virus Washer functions

More than 99% reduction in viruses after a single passage through the element.

Clog-resistant honeycomb Disinfectant element

Indicates the treated air volume. **TREATED AIR VOLUME Indicator**
One LED lights for each 300 m³ of air that has been purified. (Displays in 5 steps, and returns to zero when the unit is turned off.)

Sensors and variable airflow controls prevent over-humidification. **Humidity control**

Trap pollen and house dust. **Supplied pre-filter + high-efficiency filter**
The pre-filter works with the high-efficiency filter to increase effectiveness against pollen and to prevent clogging of the disinfectant element by dust and other particles. A high-performance micro-particle filter (purchased separately) capable of trapping finer pollen and dust particles is also available.

Purified air

Adjusts the airflow direction and prevents dust intake. **Auto louver**
The louver opens when the unit is turned on, and closes when it is turned off, to prevent dust from entering. When the airflow direction is adjusted, the position is automatically stored in memory. The louver swings in a range of 0 to 23 degrees.

Simple and easy to use. **Control panel**
Includes a child lock function to prevent children from tampering with the system.

Allows about 10 hours of continuous operation. **6-liter water supply tank**
The tank allows about 10 hours of use at the standard airflow. A lamp lights and an alarm sounds to indicate when the water needs to be replenished.

Simplifies water drainage. **Automatic drainage mechanism**
Simply dispose of the water in the drainage tank. A lamp lights and an alarm sounds to indicate when this needs to be done (about once or twice per month, depending on use).

Use of a kit (built to order*) that connects directly to the water supply can increase convenience and enable 24-hour operation.
The kit eliminates the need for water supply and drainage. It is recommended for places requiring 24-hour air purification, such as hospital wards, nursing care facilities, and 24-hour sales offices.

Virus washer
ELECTROLYTIC WATER DISINFECTANT SYSTEM

VV-VF10BG

Suppresses viruses | Disinfects
Humidification | Deodorizes

Suggested room size | From 20 to 100 square meters



*Please contact a sales representative for details.