

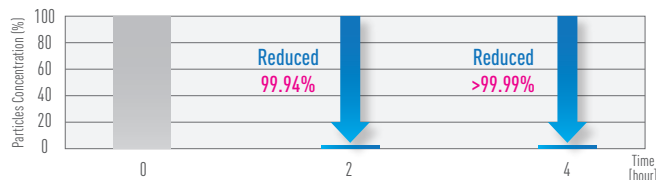


PM2.5 (Fine size particles) Pollen Dust Particles Bacteria Viruses

Filter PM2.5 Particles, Pollen & Dust Particles

By utilizing the high performance HEPA filter, that traps the air pollutants even in tiny size.

Powerful Removal of PM2.5 Particles within 4 hours



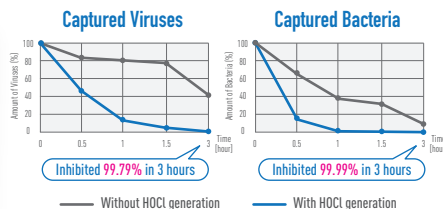
[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
[Test Condition] Release cigarette smoke in a 81m³ (27m² x 3m) space for 16 hours
[Test Substance] PM2.5 particles from burning cigarette smoke
[Report no.] KJ202301267

Double Effect of Air Cleansing

The bacteria and viruses captured by the HEPA filter would be inhibited by hypochlorous acid.



HEPA Composite Filter:
Under the JIS B 9908:2011 Test Method of air filter units for ventilation and electric air cleaners for ventilation, the filter is able to remove ≥99.97% of 0.3µm particles. Efficiency may vary depending on room conditions and size of room.



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
[Test Condition] Comparing the inhibition rate of bacteria and viruses with and without exposing to hypochlorous acid on the HEPA filter in an approx. 30m³ (11.9m² x 2.5m) space for 3 hours
[Test Substance] *Escherichia coli* bacteriophage MS2, *Staphylococcus aureus* AS 1.0089
[Report no.] KJ202301263

HOCl SAFETY VERIFICATION

Endorsed by University Professor in Japan

Hypochlorous acid acts rapidly and penetrates not only the surface layer of bacteria, but also the inner layer, decomposing the organic matter quickly. It is excellent to inhibit pollutant. It also achieves a high deodorising effect and is effective against stubborn odours, such as those from pets and those found in nursing homes.

When used properly, hypochlorous acid is safe and highly effective, and is an excellent ingredient for inhibiting pollutant and deodorising indoor spaces.



Professor Satoshi Fukuzaki
Mie University
Graduate School and Faculty of Bioresources

Panasonic designed ziaino[®] Air Treatment Unit from the point of view of our customers, putting the ease of operation into our consideration and priority.



Salt Tablet Auto Feeder

With the aid of the salt tablet auto feeder, a salt tablet would be inserted automatically every 3 days. Meanwhile, the salt tablet auto feeder can hold enough salt tablets to last for about half a year. This greatly reduces user's daily manual work.



Casters Equipped

4 casters at the bottom of the machine allow easy movement across different locations. High mobility also allows easy relocation and easy cleaning of the floor.

PRODUCT SPECIFICATION

Model	Applicable Area [m ²]	Dimension [mm]	Weight [kg]	Speed	Power Consumption [W]	Air Volume [m ³ /min]	Noise [dB(A)]	Continuous operation time with full water [Hr]
F-JPW50H	28	H 710	11.2	Turbo	58	5.3	54	6
F-JPW50A		W 398		High	17	2.5	41	11
F-JPW50M		D 240		Low	12	1.5	31	18

The power consumption is about 1 W as connecting to power supply and operation is OFF
The noise is A-weighted sound pressure level, measured in sound-proof laboratory environment
The continuous operation time with full water is obtained under condition of room temperature 20°C and RH 30%, the time may differ subject to different condition

- Please note that products incorporating ziaino[®] technology are not to be used for medical treatment.
- ziaino[®] technology has been found to be effective in suppressing a number and variety of harmful airborne and adhering substances, including viruses (e.g. H1N1), bacteria (e.g. E. coli). However, ziaino[®] does not create an aseptic environment, nor does it guarantee the prevention of infection.
- Deodorisation effect varies according to the environment (temperature and humidity), operation time, odour, and fabric types. It does not eliminate toxic substances in cigarettes (carbon monoxide, etc.). Odours that are continuously generated (e.g. building material odours and pet odours) are not completely eliminated. Results may vary based on usage, and seasonal/environmental variables (temperature and humidity). ziaino[®] inhibits the activity or growth of viruses, but do not prevent infection.
- Individual results may vary based on usage, and environmental variables (temperature and humidity).
- The above descriptions are based on the testing of the product model F-JPW50H. Model F-JPW50H is equivalent to models F-JPW50A and F-JPW50M.



Creating harmony
for humans and pets
POWERFUL ODOUR REMOVAL



ziaino[®] Air Treatment Unit



- Actual colors may vary slightly from shown.
- Specifications are subject to change without prior notice.

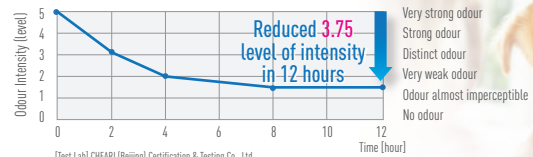
CATALOG NO: P-ZA003
08.2023



POWERFUL DEODORISATION

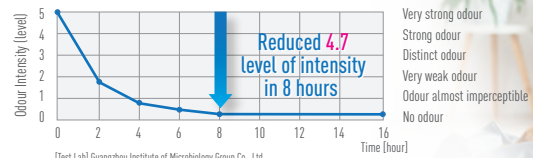
Remove adhered and airborne odour in your place

Significantly Remove Adhered Pet Odour



[Test Lab] CHEARI (Beijing) Certification & Testing Co., Ltd.
 [Test Condition] Place the test substance sample load 1.5m away from the machine air outlet in a 81m³ (27m² x 3m) space for 12 hours.
 Manually sense the difference in odour intensity over time by human
 [Test Substance] Pet odour simulation pollutants are hexanal, heptanal, octanal, nonanal and isovaleric acid
 [Report no.] WKX-23-56501

Significantly Remove Airborne Pet Odour

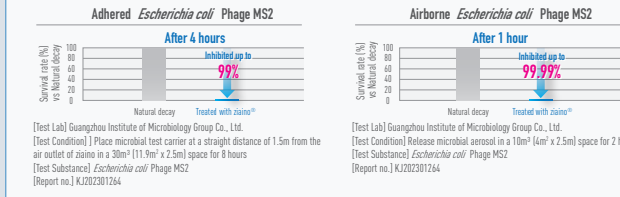


[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
 [Test Condition] Release odour substances in a 81m³ (27m² x 3m) space for 16 hours. Manually sense the difference in odour intensity over time by human
 [Test Substance] Pet odour simulation pollutants are acetaldehyde, n-heptane, caprylic acid, nonanoic acid and iso-valeric acid
 [Report no.] KJ202301267

EFFECTIVE DISINFECTION

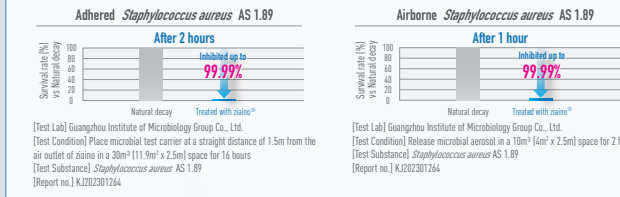
Inhibit Adhered and Airborne viruses and bacteria

Inhibition against viruses



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
 [Test Condition] Place microbial test carrier at a straight distance of 1.5m from the air outlet of ziaino in a 30m³ (11.9m² x 2.5m) space for 8 hours
 [Test Substance] Escherichia coli Phage MS2
 [Report no.] KJ202301264

Inhibition against bacteria



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
 [Test Condition] Place microbial test carrier at a straight distance of 1.5m from the air outlet of ziaino in a 30m³ (11.9m² x 2.5m) space for 16 hours
 [Test Substance] Staphylococcus aureus AS 1.89
 [Report no.] KJ202301264

Adhered Viruses/Bacteria

Airborne Viruses/Bacteria



SAFE TO USE FOR OUR BELOVED PETS

Verified by scientific observations and tests



JOINT INVESTIGATION with the Tokyo University of Agriculture 東京農業大学

1 No Impact on Cats' Behaviour

Within the 10-day observation period, through capturing the data about the cats' behavior and activity with sensors attached to their necks. The results show that there was no statistical change in the behaviour of all 6 cats before and after exposed to ziaino®.

	Before	After
Amount of exercises	7372.8	7377.3
Rest time	879.0	895.0
Jumping frequency	185.4	170.3

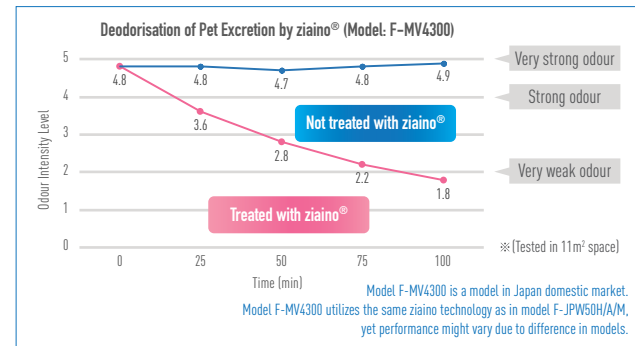
Before: Average data during period of 22 Feb 2022 to 26 Feb 2022 (5 days).
 After: Average data during period of 1 Mar 2022 to 8 Mar 2022 (8 days).



2 Deodorisation in Cat Excretion Smell

After running ziaino® for around 30 minutes, the excretion smell has become less unpleasant. While ziaino® continued running, the smell disappeared in an accelerating rate in the room.

After running ziaino® for over 60 minutes, an obvious difference in smell could be clearly told by comparing the room with ziaino® operated and the room without.



VOICES OF CUSTOMERS

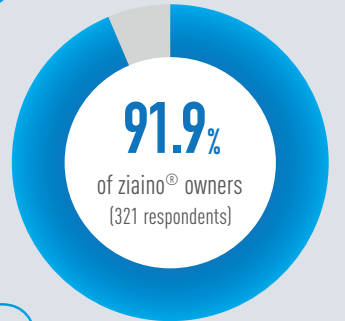
91.9% of ziaino® owners are ready to continue to use the product

I can feel the cleanliness ever since using it

I wished I could have purchased earlier

I would like to recommend it to more people

I was shocked when I could no longer sense the pet odour



※ Research data conducted by Panasonic in May 2021, with a total of 321 ziaino® owners who aged 20s-60s in Japan

Family with pet



“ Successfully removed the smell from the dog in the room! ”

Family with children



“ Effective against the body odour from my child and the cooking smells! ”

Family with in-house nursing services



“ The smell from portable toilet got disappeared! ”

Family with elderly



“ Bringing a fresh air environment to welcome my grandchild to visit my place! ”

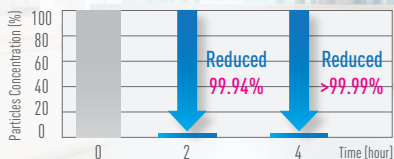
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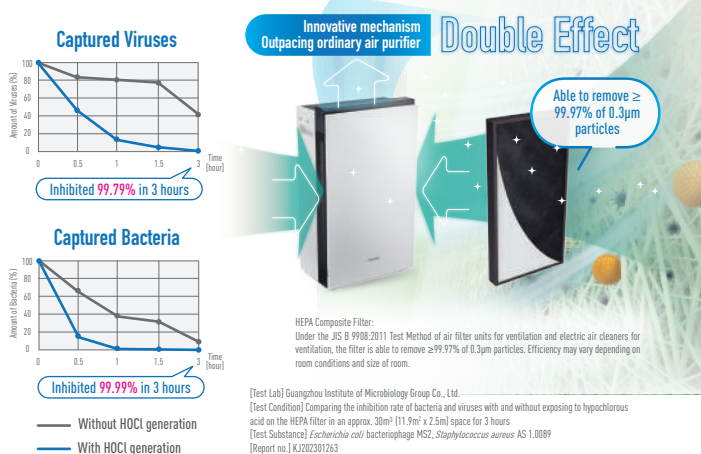
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Casters Equipped

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Bringing you a safer healthcare experience
REVOLUTIONARY DISINFECTION TECHNOLOGY

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ziaino® Air Treatment Unit





Inhibition against viruses

Adhered Escherichia coli Phage MS2



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
[Test Condition] Place microbial test carrier at a straight distance of 1.5m from the air outlet of ziaino in a 30m³ (11.9m² x 2.5m) space for 8 hours
[Test Substance] Escherichia coli Phage MS2
[Report no.] KJ202301264

Airborne Escherichia coli Phage MS2



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
[Test Condition] Release microbial aerosol in a 10m³ (4m² x 2.5m) space for 2 hours
[Test Substance] Escherichia coli Phage MS2
[Report no.] KJ202301264

Inhibition against bacteria

Adhered Staphylococcus aureus AS 1.89



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
[Test Condition] Place microbial test carrier at a straight distance of 1.5m from the air outlet of ziaino in a 30m³ (11.9m² x 2.5m) space for 16 hours
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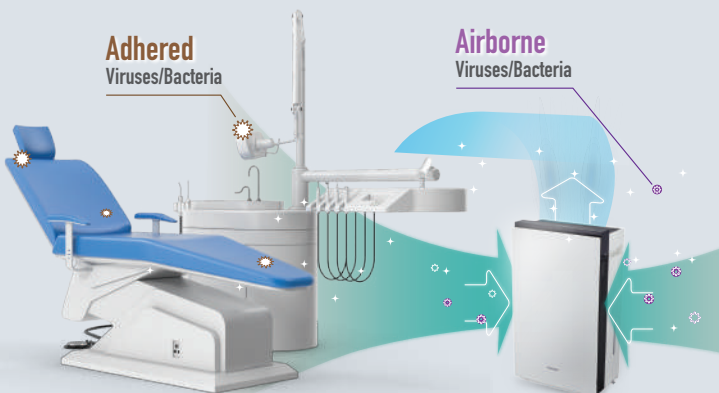
Airborne Staphylococcus aureus AS 1.89



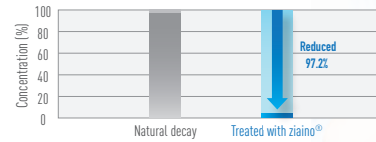
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**Adhered
Viruses/Bacteria**

**Airborne
Viruses/Bacteria**

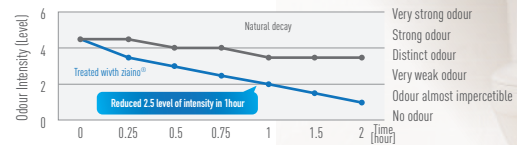


Remove airborne sweat odour up to **97.2% in 1 hour**



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
[Test Condition] Release odour chemical in a 10m³ (4m² x 2.5m) space for 1 hour
[Test Substance] Acetic acid (simulation of sweat odour)
[Report no.] KJ202301220

Remove airborne excretion odour **significantly in 1 hour**



[Test Lab] Environmental Control Center Co., Ltd.
[Test space] 9.7m³ space
[Operational method] Operating F-MV3000 at strong mode*
[Test Substance] Hydrogen sulfide (simulation of excretion odour)
[Report no.] H07019002DA
*Model F-MV3000 utilizes the same ziaino technology as in model F-JPW50H(A/M)

Tests are processed in laboratory condition, performance might vary in actual environment.

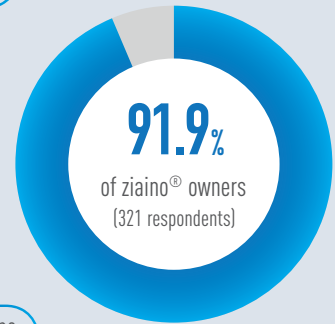


I can feel the cleanness ever since using it

I wished I could have purchased earlier

I would like to recommend it to more people

I was shocked when I could no longer sense the pet odour



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Family with in-house nursing services



“ The smell from portable toilet got disappeared! ”

Family with elderlys



“ Bringing a fresh air environment to welcome my grandchild to visit my place! ”

Family with children



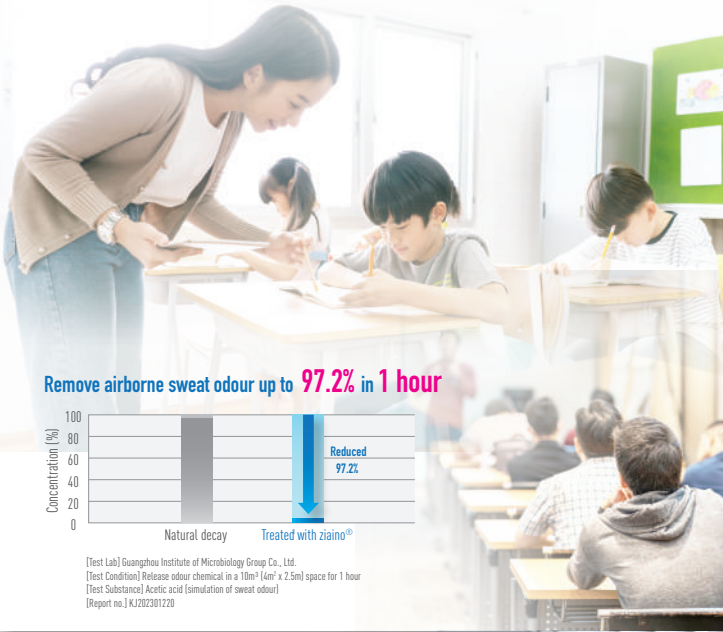
“ Effective against the body odour from my child and the cooking smells! ”

Family with pet

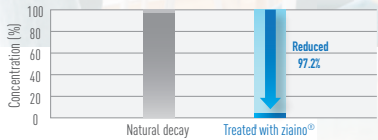


“ Successfully removed the smell from the dog in the room! ”

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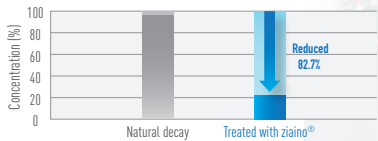


Remove airborne sweat odour up to **97.2% in 1 hour**



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[Report no.] KJ202301220

Remove airborne garbage odour up to **82.7% in 1 hour**



[Test Lab] Guangzhou Institute of Microbiology Group Co., Ltd.
[Test Condition] Release odour chemical in a 10m³ (4m² x 2.5m) space for 1 hour
[Test Substance] Trimethylamine (simulation of garbage odour)
[Report no.] KJ202301220

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HOCI SAFETY VERIFICATION

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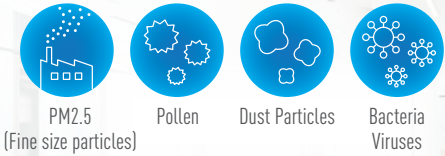


Breathing indoor air with peace of mind
EFFECTIVE AIR POLLUTANT FILTRATION

ziaino[®] Air Treatment Unit

- PM2.5 Filtration**
- Allergens & Pollen Inhibition**
- Viruses Inhibition**
- Bacteria Inhibition**
- Deodorisation Inhibition**

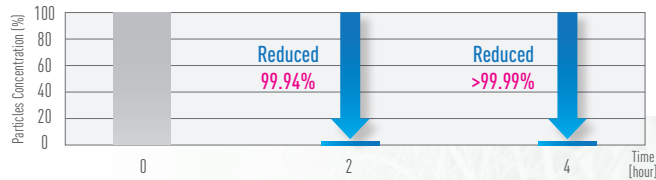




Filter PM2.5 Particles, Pollen & Dust Particles

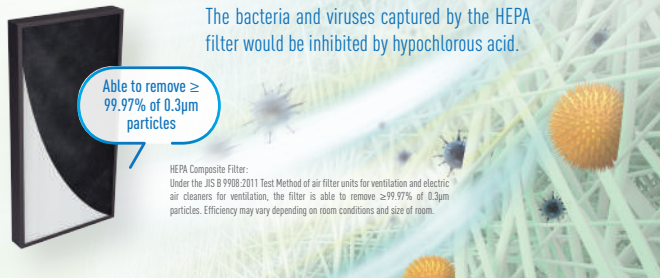
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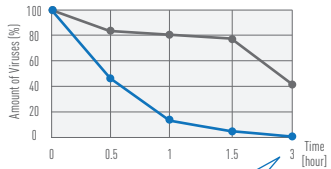


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Able to remove ≥ 99.97% of 0.3µm particles

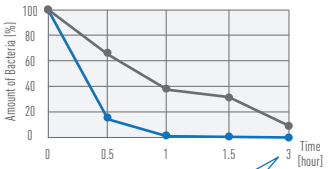
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Captured Viruses



Inhibited 99.79% in 3 hours

Captured Bacteria



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— Without HOCl generation — With HOCl generation

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Inhibition against viruses



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Adhered Viruses/Bacteria

Airborne Viruses/Bacteria

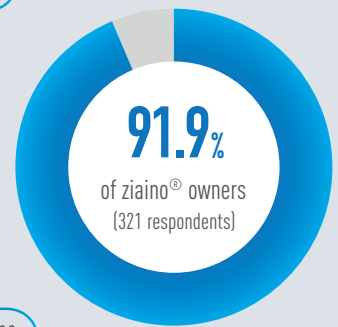


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