Panasonic

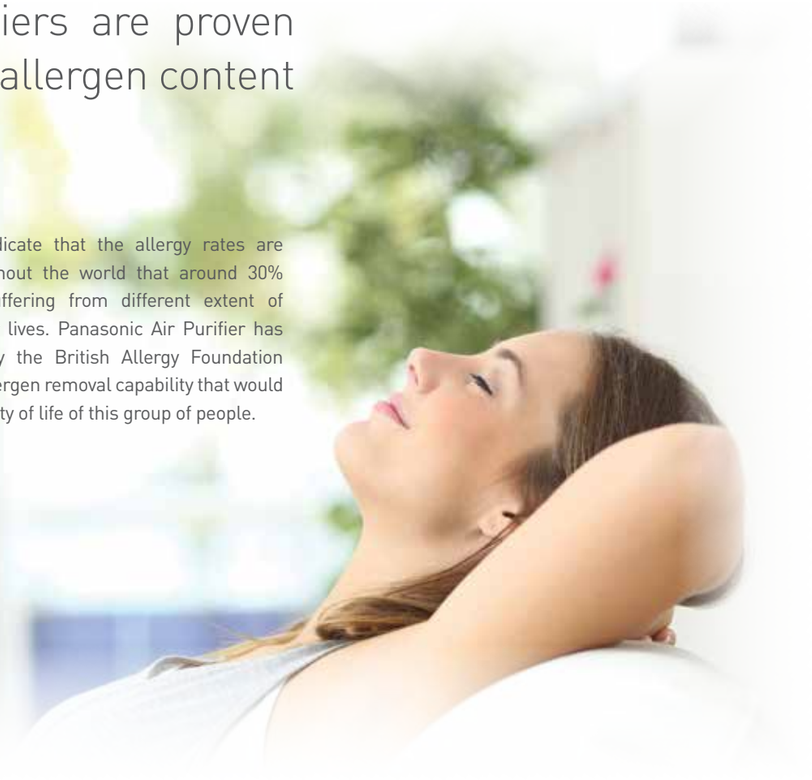
Purify the air your loved ones breathe

AIR PURIFIER

nanoe TECHNOLOGY

BRITISH ALLERGY FOUNDATION • ALLERGY UK SEAL OF APPROVAL •

Panasonic air purifiers are proven capable of reducing allergen content significantly

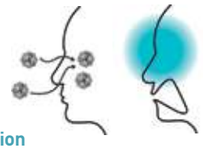


Some surveys indicate that the allergy rates are increasing throughout the world that around 30% of people are suffering from different extent of influences in their lives. Panasonic Air Purifier has been endorsed by the British Allergy Foundation approving their allergen removal capability that would improve their quality of life of this group of people.

What is allergen?

Some surveys indicate that the allergy rates are increasing throughout the world that around 30% of people are suffering from different extent of influences in their lives. Panasonic Air Purifier has been endorsed by the British Allergy Foundation approving their allergen removal capability that would improve their quality of life of this group of people.

- **Eye Irritation**
- **Bloodshot**
- **Watery Eyes**
- **Runny Nose**
- **Nasal Congestion**



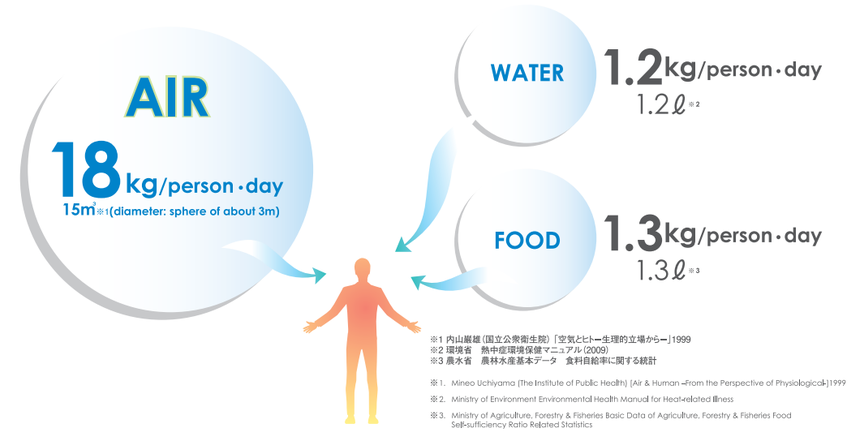
Allergy is an over-reaction of our body against allergens by our immune system that acts as protective function of our body originally.

Three major allergies

Allergy	Causes and Symptom
Allergy Rhinitis	House dust, mites, pollens attached to mucous membrane cause runny nose, nasal congestion, sneezing, eye irritation and bloodshot
Bronchial Asthma	It is developed from allergies that are cause by mites, house dusts and pollen, etc.
Atopy Dermatitis	It is a skin reaction mainly with rash and itchiness that is caused by some stimulus

Important of Indoor Air Quality (IAQ)

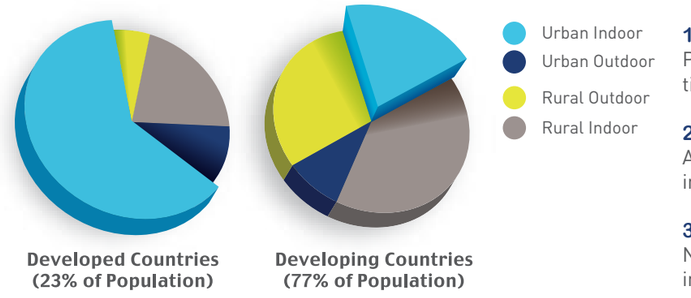
IAQ
INDOOR AIR QUALITY
It's the air that human consume the most in a day



※1 内山巌雄（国立公衆衛生院）「空気とヒト－生理的立場から－」1999
※2 環境省　熱中症環境保健マニュアル（2009）
※3 農水省　農林水産基本データ　食料自給率に関する統計

※1. Mineo Uchiyama (The Institute of Public Health) [Air & Human –From the Perspective of Physiological-]1999
※2. Ministry of Environment Environmental Health Manual for Heat-related Illness
※3. Ministry of Agriculture, Forestry & Fisheries Basic Data of Agriculture, Forestry & Fisheries Food Self-sufficiency Ratio Related Statistics

Division of time spent indoors



1. Indoor Vs Outdoor
People spend the majority of their time indoors.

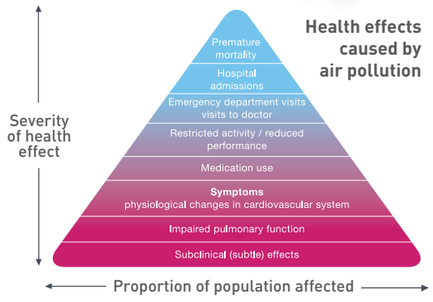
2. Developed Vs Developing
About 77% of world population lives in developing countries.

3. Urban Vs Rural
Nearly 50% of world population lives in urban area.

Pollution situation

PM2.5
An annual average concentration of 10μg/m3 is the long-term guideline value for PM2.5 set by the World Health Organization (WHO). As for latest information, more than 80% of people living in urban areas that monitor air pollution are exposed to air quality levels that exceed the WHO limits.

Haze
In recent years, large scale smoky haze, usually measures hundreds of kilometres across, occurred frequently. It has spread to various countries in South East Asia causing a significant deterioration in air quality. Both Pollutants Standards Index (PSI) and Air Pollutants Index (API) are used to measure air quality. On both indices, a reading above 100 is classified as unhealthy while above 300 is hazardous.



Indoor Air Quality Solution

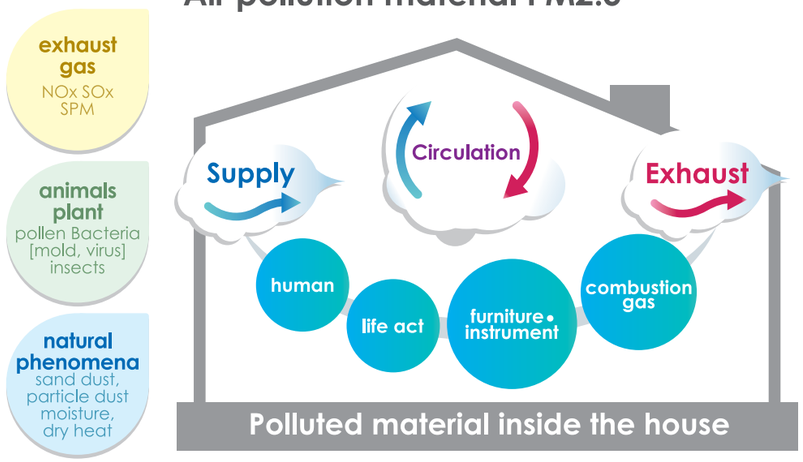
We propose to improve IAQ by optimized “supply”, “circulation” and “exhaust” products from the residential house to commercial building.

Protect unnecessary material from the outside
Product suggestion:
Energy Recovery Ventilator (ERV)

Distribution of air within an enclosed space (antibacterial, deodorization & etc)
Product suggestion: **Air Purifier**
Ceiling Fan, Air Conditioner

Exhaust unncessary material to the outside
Product suggestion:
Ventilating Fan

Air pollution material PM2.5



Some health-damaging pollutants generated from indoor sources

Pollutant	Major Indoor Sources
Fire Particles	Fuel/Tobacco combustion, cleaning operations, cooking
Volatile and semi-volatile Organic Compounds (VOC)	Fuel/Tobacco combustion, consumer products, furnishings, construction materials, cooking
Pesticides	Consumer products, dust from outside
Biological Pollutions	Damp materials/furnishings, components of climate control systems, occupations, outdoor air, pets

Source: Air Quality Guidelines, Global Update 2005 published by WHO, (Zhang & Smith)

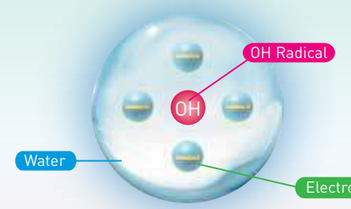
Introduction of Panasonic Unique nanoe™ Technology

What is nanoe™ ?
nano-technology + electric =

nanoe™ is water-wrapped capsule with plentiful OH radicals.

Its effectiveness of bacteria removal(*1) depends on the number of OH radical(#2), which is generated at the rate of 480 billion per second.

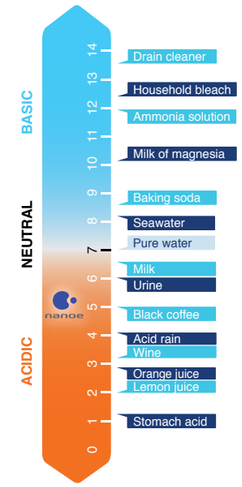
nanoe™ wrapped in water molecule



A nanoe™ is a fine (5 to 20 nm) and weakly acidic water particle with a reactive substance and an electric charge.

Low Acidity

nanoe™ possesses the chemical property around 5.5 in pH scale that is good for human skin.

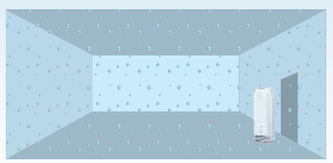


Characteristics of nanoe™

6 times longer lifespan than normal ion

nanoe™ contains moisture around 1,000 times more than minus ion. Being wrapped in water molecules, it has a longer lifespan and is able to retain its effectiveness even after traveling for a long distance.

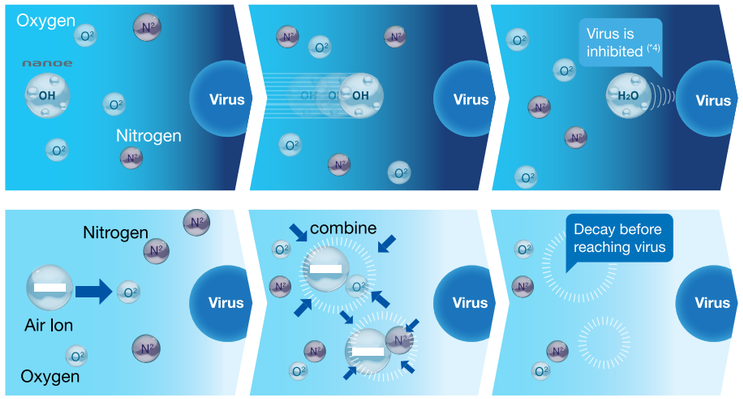
Comparison of distribution after 5 minutes



nanoe™ spread to every corner after 5 minutes

normal ion
Ions decay before spreading throughout the room

Advantage of long life



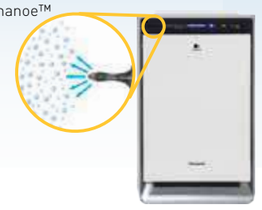
nanoe™ spread widely to every corner of the room for maximum effectiveness

Normal Ion

Water-originated

nanoe™ comes from condensed moisture in the air that water replenishment for nanoe™ generation is not required.

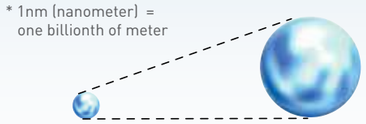
Conditions for generating nanoe™
- Room Temperature : around 5~35°C (Dew Point Temp. : around 2°C or over)
- Room Humidity : around 30~85%



Microscopic scale - only one billionth of the volume size of a steam particle

nanoe™ is much smaller than steam that can deeply penetrate into cloth fabrics to restrain dirt.

* 1nm (nanometer) = one billionth of meter



nanoe™ : around 5-20nm Steam : around 6,000nm

nanoe™ are released by applying high voltage electricity to moisture collected from the air. That's why you don't need to refill water for the generator.

nanoe™ generator collects moisture from air.

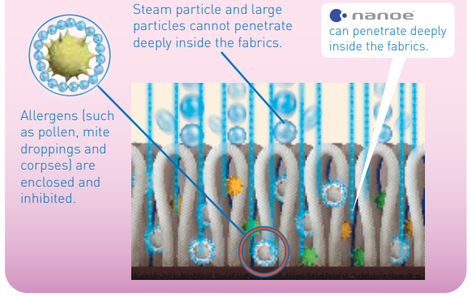
Moisture is cooled and condense into dew.

High voltage electricity is applied to the moisture.

nanoe™ are released.

Electric charge does not hit the electrode tip directly that will not cause any wear and tear at the electrode. Therefore, periodical replacement of nanoe device is not required.

nanoe™ is tiny enough to penetrate into clothes for inhibiting mold and odors.



Merits of nanoe™

Anti-virus / bacteria

Inhibit *99.9%* viruses (H1N1)(*1) and (H5N1)(*2) and *99.99%* bacteria (E. Coli O157, MRSA)(*3)

* The effectiveness of the inhibition of nanoe towards substances such as virus was verified by test in 45L test box.

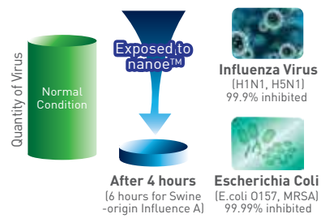
Various experiment tests have been conducted by 3rd party laboratories

(*1) H1N1 (swine-origin Influenza A)
Test Methodology : Exposed to change water particles for 6 hours in 45L test box
Test result: 99.9% is inhibited after 6 hours

H1N1 (Influenza A)
Test Methodology : Exposed to change water particles for 4 hours in 45L test box
Test result: 99.9% is inhibited after 4 hours

(*2) H5N1 (Avian Influenza)
Test Methodology : Exposed to change water particles for 4 hours in 45L test box
Test result: 99.9% is inhibited after 4 hours

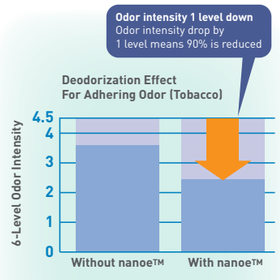
(*3) Escherichia Coli (O157:H7)
Test Methodology : Exposed to change water particles for 1 hours in 350 x 350 x 400mm test box
Test result: 99.99% is inhibited after 1 hour



Deodorizing

Reduce *90%* odor (tobacco smell) after 2 hours

- Test Laboratory: Environment Control Center
- Test Methodology: Verify with 6-level odor intensity indication in 10 sq. m. test room
- Deodorization Method: nanoeTM emit
- Test subject: Adhering Tobacco Smell
- Test Result: 1.5 level of odor intensity is decreased after 180 min (1 level odor intensity down means 90% is reduced) Report no. H03491001000DA



The deodorization effect will vary subject to the surrounding environment (temperature / humidity), operation time, types of smell and tissue.

The smell adhered at curtain and sofa are deodorized.

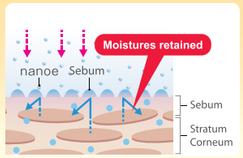
Skin Hydration

Help keep the moisture back to the skin.

With "nanoe™"

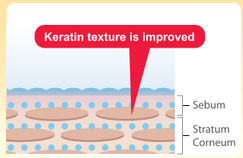
after 15 minutes

"nanoe™" attached on the sebum and form membrances on the skin to prevent moistures lost.



after 28 days

Skin is hydrated that improves the keratin texture and keeps the skin fresh and moistured.



Condition Of Keratin

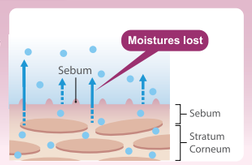
Using nanoe after 28 days

No keratin peeling on the skin

Without "nanoe™"

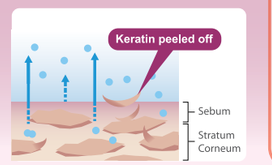
after 15 minutes

Moistures escape from the skin and let it become dry and dull.



after 28 days

Cracks occur and keratin pieces peel off from the skin.



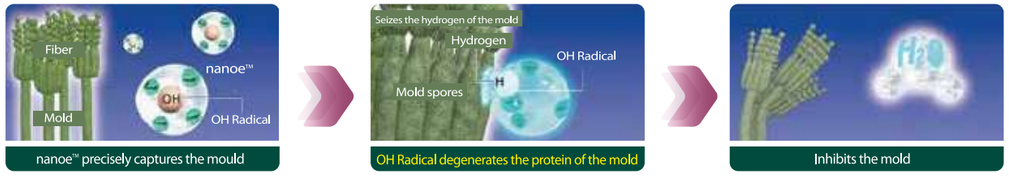
Non-using nanoe

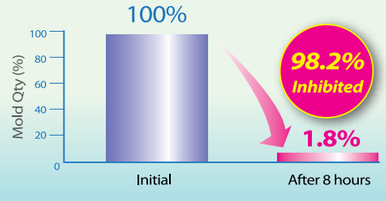
The keratin peeling is obvious

Test Laboratory : FCG Research Institute, Inc. / Report no. 19104

Other merits of nanoe™

Inhibits mold





- Test Laboratory: Panasonic Electric Works Analysis Centre Co. Ltd.
- Test Methodology: Direct expose in 45L test box
- Inhibiting Method: nanoe emit
- Test Subject: Cladosporium (mold)
- Test result: 99% is inhibited after 8 hours (Report no. E02-080303IN-02)

Substances to be inhibited with Panasonic air purifier

	nanoe™	Filter - Composite Air Filter - Super Nano-technology Deodorizing Filter
Pollutants	Virus, Airborne Bacteria, Adhering Bacteria, Mold (8 kinds)	Virus, Airborne Bacteria, Mold, Dust, Cigarette Ash, Diesel Fumes, Haze
Allergens		Sweet Vernal Grass, White Birch, Black Alder, Beech, Mugwort, Pyroglyphidaer's Droppings, Pyroglyphidaer's Corpses, Dermatophagoides Farinae's Corpses, Wheat Flour
	Dermatophagoides Farinae's Ordures, Cedar, Hinoki, Ragweed, Orchard Grass, Allergens from Dogs, Allergens from Cats	
Odor	Pet Odor, Body Odor, Ammonia Odor, Garbage Stench, Food Smell, Cigarette Smell	

The effects of nanoe™ had been proven through experiment tests conducted by various organizations or laboratories

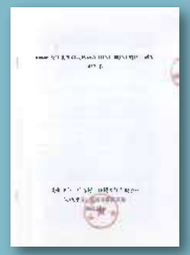
	Category	Test Laboratory	Test Item	Result	Report No.
1.	Virus	Japan Food Research Laboratories	Influenza Virus H1N1	Inhibited by 99.9% after 4 hours	208040534-001
2.	Bacteria	Japan Food Research Laboratories	Enterohemorrhagic Escherichia Coli (O157)	Inhibited by 99.99% after 1 hour	208120880-001
3.		Panasonic Electric Works Analysis Center Co. Ltd.	Esherichia Coil	Inhibited by 99.9% after 1 hour	E02-080303IN-01
4.		Japan Food Research Laboratories	Staphylococcus Aureus (MRSA)	Inhibited by 99.99% after 1 hour	208120880-002
5.		Kitasato Research Center of Environment Sciences	Staphylococcus Aureus	Inhibited by 99.9% after 4 hours	21_0142
6.	Odor	Panasonic Electric Works Analysis Center Co. Ltd.	Tobacco Smell	Deodorized after 30 minutes	E02-090313MH-01
7.		Panasonic Electric Works Analysis Center Co. Ltd.	Methyl mercaptan (Raw Garbage)	Deodorized after 15 minutes	E02-080219MH-01
8.	Allergen	Panasonic Electric Works Analysis Center Co. Ltd.	Pollen	Inhibited by 99% after 2 hours	E02-080303IN-03
9.		Panasonic Electric Works Analysis Center Co. Ltd.	Cladosporium (mold)	Inhibited by 99.7% after 24 hour	E02-080303IN-02
10.		Panasonic Electric Works Analysis Center Co. Ltd.	Tick	Inhibited by 98% after 2 hours	E02-080204IN-02
11.	Beauty Effect	FCG Research Institute, Inc.	Hydration	Improved after 28 days	19104

Certification of nanoe™

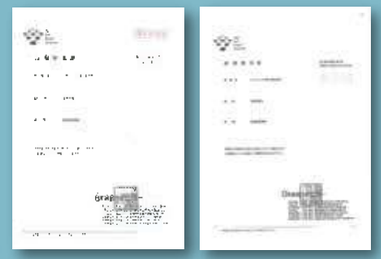
The effects of nanoe™ have been proven through experiment tests conducted by various universities or laboratories

Daido University [*1]

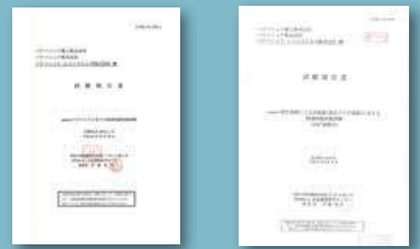
Wuhan University [*2]



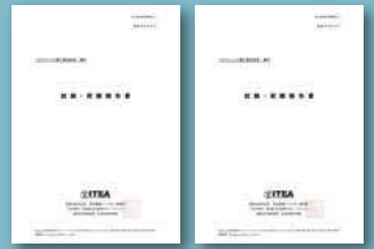
Japan Food Research [*3]



Kitasato Research Center of Environmental Sciences [*4]



Institute of Tokyo Environmental Allergy [*5]



*1 Test Laboratory : Daido University·Test Subject : Pet Odor·Test Methodology : Exposed to charge water particles for 1 week in pet shop·Test Result : 85.6% is deodorized for airborne odor and 74.3% is inhibited for adhering odor

*2 Test Laboratory : Wuhan University·Test Subject : Influenza virus H1N1, H3N2·Test Methodology : Exposed to charge water particles for 12 hours in 30cu.m. space·Test Result : 99% is inhibited

*3 Test Laboratory : Japan Food Research Laboratory·Test Subject : Enterohemorrhagic Escherichia coli (O157:H7)·Test Methodology : expose for 1 hour in 45L test box·Test Result : 99.9% is inhibited·Report No.: 208120880-001
Test Subject : Methicillin-resistant Staphylococcus aureus (MRSA)·Test Methodology : expose for 1 hour in 45L test box·Test Result : 99.9% is inhibited·Report No.: 208120880-002

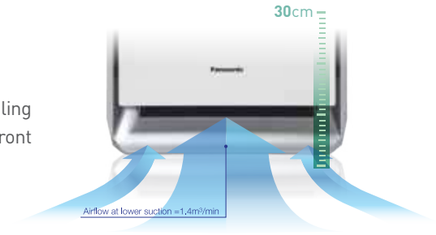
*4 Test Laboratory : Kitasato Research Center of Environmental Sciences·Test Subject : Influenza virus (H1N1 subtype)·Test Methodology : Exposed to charge water particles in 1cu.m. test space for 2 hours by TCID50 (50% tissue culture infectious dose)·Test Result : 99.9% is inhibited·Report No.: 21_0084_1
Test Subject : Staphylococcus aureus bacterium·Test Methodology : Exposed to charge water particles in 10cu.m. test space for 4 hours·Test Result : 99% is inhibited·Report No.: 21_0142

*5 Test Laboratory : Institute of Tokyo Environmental Allergy (ITEA)·Test Subject : Can f 1 (allergy derived from dogs)·Test Methodology : Exposed to charge water particles in 45L test box by ELISA method·Test Result : 99% is inhibited after 1 hour·Report No.: 11M-RPTAPR047_1
Test Subject : Fel d 1 (allergy derived from cats)·Test Methodology : Exposed to charge water particles in 45L test box by ELISA method·Test Result : 98% is inhibited after 2 hour·Report No.: 11M-RPTAPR051_1

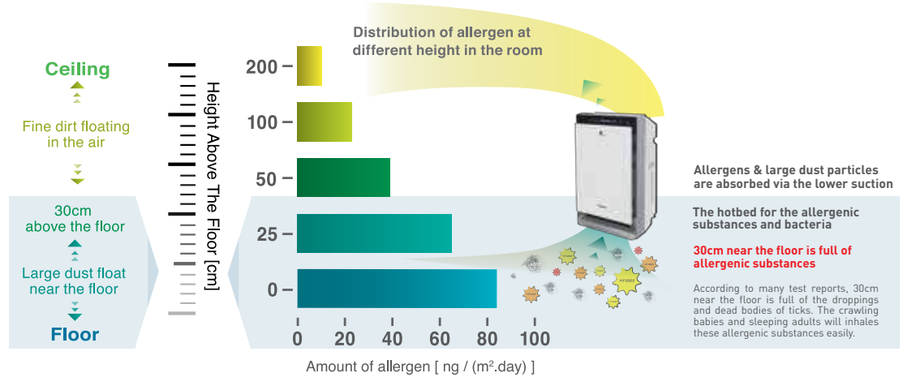
Direct FRONT Suction

Capture dust from 0cm to 30cm near the floor

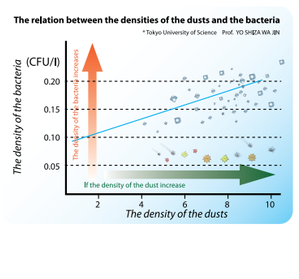
Usually, various types of pollutants appear at different positions between ceiling and the floor in the room. In response, Direct Front Suction creates strong front airflow to capture dust that floats between 0cm to 30cm near the floor.

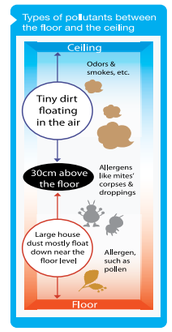


With Front Airflow mode, large pollutants near the floor can be inhaled through the lower louver and inhibited

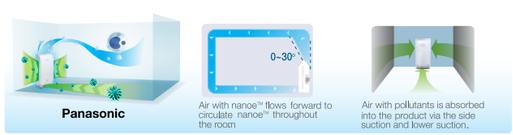


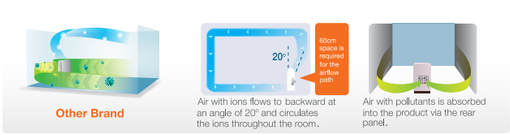
3D Circulation Airflow





Airflow comparison





Energy Saving by Panasonic ECONAVI

Pollution level varies according to your daily activities

You need to change the speed manually or automatically by sensors in order to clean the polluted environment effectively. ECONAVI is an intelligent technology that can monitor your daily activities and memorize the timeline of the pollution level. It then controls the operation of the product before pollution spreads throughout the house.

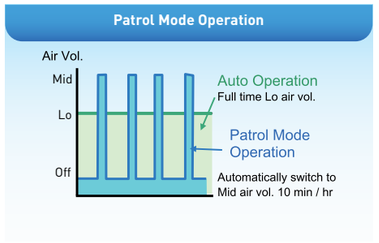
Mechanism of ECONAVI

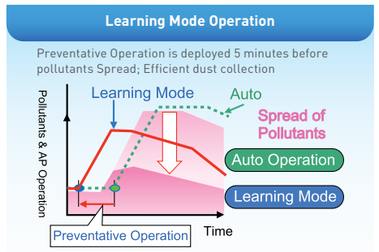
Checking for Pollutants by odor sensor & house dust sensor

Detecting pollutants at the interval of 10 minutes per hour under Medium speed operation.

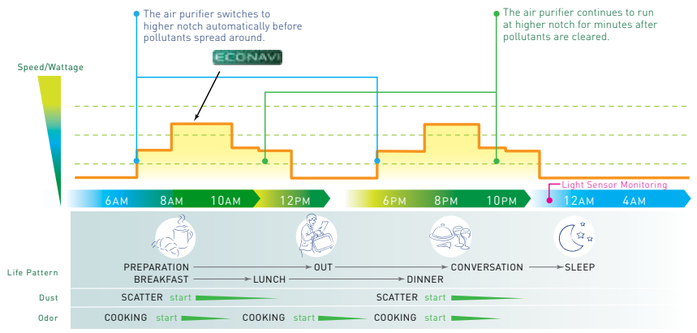
Learning Pollution Pattern Studying the pollution timeline and intensity

Memorizing pollution pattern in the house and automatically develop operation pattern, that can minimize the pollution before it spreads throughout the house.



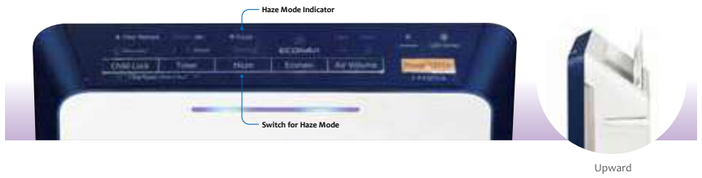


Different from constant Auto Mode, Econavi learns your daily life patterns and automatically switch on only when needed, therefore minimizing unnecessary operation. Econavi also operates automatically before pollutants spread inside the room, therefore reducing the need for stronger air volume after they disperse.



Haze mode

Fan speed is adjusted to remove the pollutants efficiently when corresponding particles are detected.
(only applicable for F-PMX55)



Haze indicator is "Light On"
Haze mode is switched on, the air purifier will run at maximun speed and the louver will move to corresponding angle until the indicator light off. Afterward, the purifier will change to previous speed automatically.

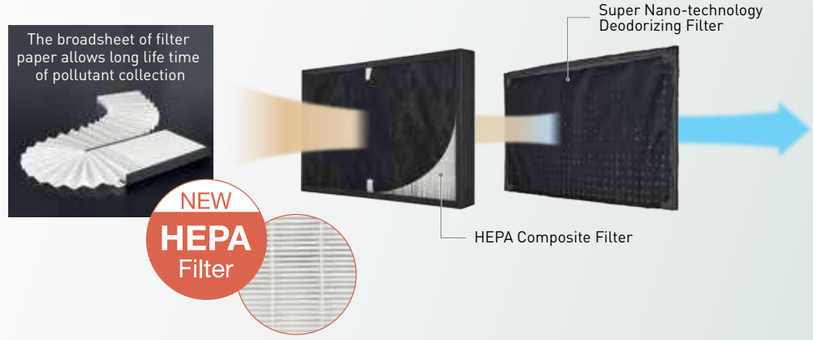
Haze indicator is "Light Off"
Haze mode is switched on, the air purifier will run at maximun speed and the louver will move to corresponding angle for I minute. Then the purifier will change to previous speed automatically.

Captures Pollutans Effectively with High Performance Filters

not applicable for F-PXJ30

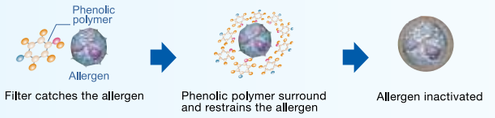
HEPA composite filter

Removes 0.3μm particles up to 99.97%



3 Kind of technology in one filter

Super alleru-buster inhibits allergens



Test Laboratory: Osaka Municipal Technical Research Institute of Japan / Test Methodology: Measure reduction level of tick allergen by Enzyme-linked Immuno Sorbent Assay / Inhibiting Method: Contact with Super alleru-buster / Test Subject: Allergens captured by filter (tick, pollen) / Test Result: 99% or more is inhibited (Report no. 2127)

Unprocessed filter
There are reaction to the allergens (such as pollen, mite droppings and corpse) for the filter, which changed to yellow.

Super alleru buster processed filter
There is not any reaction to allergens (such as pollen, mite droppings and corpse) for the filter, which remained transparent.

Green Tea Catechin inhibits virus

Test Laboratory: Kitasato Research Centre of Environmental Sciences / Test Methodology: Inhibit rate of virus by Plaque method / Inhibiting Method: contact with Catechin / Test Subject: Virus captured by filter / Test Result: 99% or more is inhibited (Report no. 15-0115)

Without Green Tea Catechin
Damaged cells by virus infection.

With Green Tea Catechin
Normal cells without virus infection.

Anti-bacteria Enzyme inhibits bacteria

Anti-bacteria enzyme filter restrains the reproduction of bacteria and molds as the air go through the filter.

Test Laboratory: Japan Food Research Laboratory / Testing Methodology: Testing of anti-mold function of the filter, using the Harrow method (Report no. 207060074-002)

Before applying enzyme
Photomicrograph of bacterium

After applying enzyme
Enzyme hydrolyzes the cell wall and destroys the bacterium

Humidifying Series

F-VXK70A

Specifications

	High	Medium	Low
Air Purifying Air Volume [m3/min]	6.7	2.7	1.1
Power Consumption [W]	66	11	6
Noise [dB(A)]	54	33	18
Air Purifying & Humidifying Humidifying Capacity [ml/h]	700	400	250
Air Volume [m³/min]	6.3	3.1	1.9
Power Consumption [W]	58	15	10
Noise [dB(A)]	53	36	25

Coverage Area [m² (ft²)] 52 (560)
Dimension (HxWxD) 636mm x 398mm x 265mm
Weight 10.2 kg
Colour White

Features
- DC Motor
- 3D Circulation Airflow
- Twin Airflow Louver
- Auto Mode
- Sleep Mode (8 hours)
- Spot Air Mode
- Sensor: Dirt/Odor/Humidity
- Human Activity Sensor
- Light Sensor
- Clean Sign
- Humidity Indicator
- Humidity Setting
- Child Lock
- Seamless Drive
- Tank Stand
- Caster Lock
- Tank Capacity: 3.5 Liter

F-VXR50A

Specifications

	High	Medium	Low
Air Purifying Air Volume [m3/min]	5.1	1.9	0.9
Power Consumption [W]	45	9	6
Noise [dB(A)]	51	29	18
Air Purifying & Humidifying Humidifying Capacity [ml/h]	500	230	150
Air Volume [m³/min]	4.9	2.3	1.3
Power Consumption [W]	46	13	9
Noise [dB(A)]	51	34	23

Coverage Area [m² (ft²)] 40 (431)
Dimension (HxWxD) 560mm x 360mm x 240mm
Weight 8.6 kg
Colour Silver

Features
- DC Motor
- 3D Circulation Airflow
- Auto Mode
- Sleep Mode (8 hours)
- Spot Air Mode
- Sensor: Dirt/Odor/Humidity
- Light Sensor
- Clean Sign
- Humidity Indicator
- Child Lock
- Filter Replace Indicator
- Seamless Drive
- Tank Capacity: 2.3 Liter
- HEPA Composite Filter

F-VXM35ASM

Specifications

	High	Medium	Low
Air Purifying Air Volume [m3/min]	3.5	1.6	0.9
Power Consumption [W]	41	9	5
Noise [dB(A)]	49	31	22
Air Purifying & Humidifying Humidifying Capacity [ml/h]	350	170	100
Air Volume [m³/min]	3.4	1.6	0.9
Power Consumption [W]	40	11	8
Noise [dB(A)]	49	31	22

Coverage Area [m² (ft²)] 26 (280)
Dimension (HxWxD) 560mm x 360mm x 200mm
Weight 7.8 kg
Colour Silver

Features
- DC Motor
- 3D Circulation Airflow
- House Dust Catcher
- Clean Sign
- Auto Mode
- Humidifying Function
- Humidity Indicator
- Sleep Mode (8 hours)
- Super Nano-Technology Deodorizing Filter
- Filter Replace Indicator
- Child Lock
- Tank Capacity: 2.1 Liter

Non-Humidifying Series

F-PXM55A

Specifications

	High	Medium	Low
Air Purifying Air Volume [m3/min]	5.3	2.0	0.9
Power Consumption [W]	49	11	7
Noise [dB(A)]	52	32	18

Coverage Area [m² (ft²)] 41 (441)
Dimension (HxWxD) 580mm x 300mm x 195mm
Weight 5.8 kg
Colour Dark Blue

Features
- DC Motor
- 3D Circulation Airflow
- House Dust Catcher
- Auto Mode
- Sleep Mode (8 hours)
- Sensor: Dirt/Odor
- Light Sensor
- Clean Sign
- Child Lock
- Seamless Drive

F-PXT50AKM

Specifications

	High	Medium	Low
Air Purifying Air Volume [m3/min]	5.0	2.5	1.1
Power Consumption [W]	29	10	6.0
Noise [dB(A)]	47	33	19

Coverage Area [m² (ft²)] 36 (388)
Dimension (HxWxD) 550mm x 340mm x 208mm
Weight 6.2 kg
Colour White

Features
- DC Motor
- 3D Circulation Airflow
- House Dust Catcher
- Auto Mode
- Sensor: Dirt
- Filter Replace Indicator
- Turbo Mode
- Clean Sign
- Seamless Drive

F-PXM35ASM

Specifications

	High	Medium	Low
Air Purifying Air Volume [m3/min]	3.5	2.0	1.0
Power Consumption [W]	20	9	6
Noise [dB(A)]	44	32	18

Coverage Area [m² (ft²)] 26 (280)
Dimension (HxWxD) 520mm x 300mm x 189mm
Weight 4.8 kg
Colour Silver

Features
- DC Motor
- 3D Circulation Airflow
- House Dust Catcher
- Auto Mode
- Sleep Mode (8 hours)
- Super Nano-Technology Deodorizing Filter
- Filter Replace Indicator
- Turbo Mode
- Clean Sign

F-PXJ30A

Specifications

	High	Medium	Low
	Specification at 220V 50Hz		
Air Purifying Air Volume [m3/min]	2.8	1.8	0.8
Power Consumption [W]	30	22	15
Noise [dB(A)]	44	35	21

Coverage Area [m² (ft²)] 20 (215)
Dimension (HxWxD) 540mm x 311mm x 210mm
Weight 4.3 kg
Colour White

Features
- AC Motor
- 3D Circulation Airflow
- House Dust Catcher
- Auto Mode
- Turbo Mode
- Sleep Mode (8 hours)
- Sensor: Odor
- Clean Sign

CLEANING

1 Composite air filter / HEPA composite filter (Twice a month or so)

Clean the black side (front side) with a vacuum cleaner.
- Delicate. Do not apply too much pressure.
- The back (white) side is free of maintenance.
- Never wash the filter with water.

2 Humidifying filter

Wash the humidifying filter twice a month with water.

3 Main unit and front panel (Once a month or so)

Wipe off any dust and dirt using a damp cloth.
- Do not wipe it with a hard cloth or too much force. Otherwise, the surface may be damaged.
- Wipe the power plug with a dry cloth.

4

Be sure to disconnect the power plug before cleaning the unit
- Do not use the detergents shown above.
- When using chemically treated cloth, be sure to follow the instructions carefully.

PLACEMENT

Do not put the product in the following places:

- Where the product will be exposed to direct sunlight or direct blowing of air conditioner. (Otherwise, deformation, degeneration, discolor and malfunction may be caused.)
- Where window or other objects may obstruct the humidity sensor. (Otherwise, the humidity sensor may not work normally)
- Near a TV set or radio (Otherwise, visual disturbances or noises may be caused)

  Keep it 1 m or above away from such devices.

  If the power plug is inserted into the same outlet as that of these devices, visual disturbances or noises may be caused. In this case, insert the power plug into another outlet.

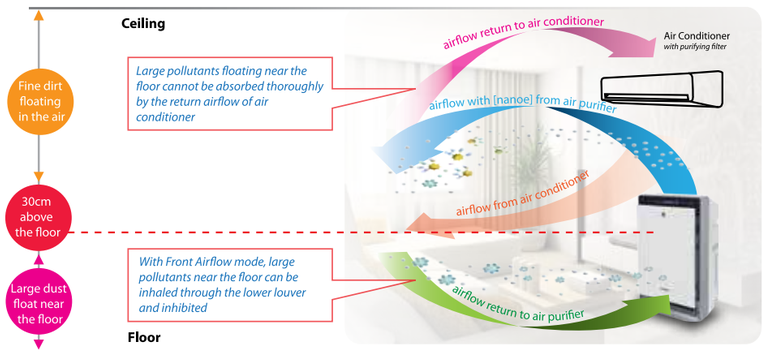
It would be effective if placed here!

- Place it low on the floor as a countermeasure against pollen.

  Since pollen or dust is likely to float in the air near the floor, we recommend you put the product on the flat floor in the room.
- To circulate the air efficiently around the room.

  To prevent the air inlet or the air outlet from being blocked, install the equipment with its left, right and the top about 30 cm or more away from walls or furniture, curtains etc. To ensure efficient use of the product, keep its back at least 1 cm away from the wall.

Air purifier & Air conditioner



Humidifying Series

F-VXK70A

52m²

Recommended Area: Studio apartment, SOHO, classroom, auditorium, gymnasium, library, smoking room

F-VXR50A

40m²

Recommended Area: Master bedroom, dining hall, restaurant, office, hotel suite

F-VXM35ASM

26m²

Recommended Area: Bedroom, dining hall, hotel suite, office

Non-Humidifying Series

F-PXM55A

41m²

Recommended Area: Master bedroom, dining hall, hotel suite, office

F-PXT50AKM

36m²

Recommended Area: Master bedroom, dining hall, hotel suite, office

F-PXM35ASM

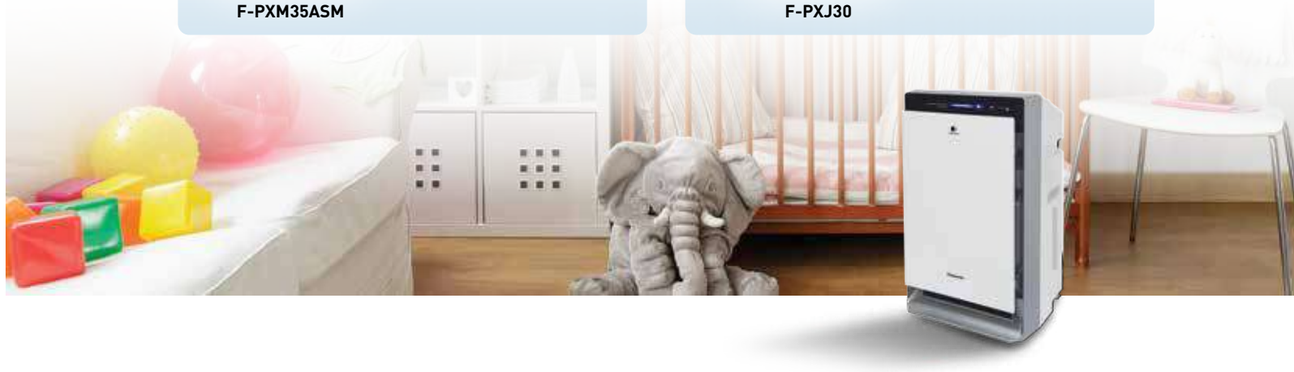
26m²

Recommended Area: Bedroom, dining hall, hotel suite, office

F-PXJ30

20m²

Recommended Area: Baby room, kids playroom, study room



Specifications

HUMIDIFYING AIR PURIFIER



		White	Silver	Silver
Model	Asia	F-VXK70A	F-VXR50A	F-VXM35ASM
Applicable Area [m² (ft²)]		52 (560)	40 (431)	26 (280)
nanoe Purification		nanoe™	nanoe™	nanoe™
		High / Medium / Low	High / Medium / Low	High / Medium / Low
Air Purifying Air Volume [m³/min]		6.7 / 2.7 / 1.1	5.1 / 1.9 / 0.9	3.5 / 1.6 / 0.9
Power Consumption [W]		66 / 11 / 6	46 / 9 / 6	41 / 10 / 6
Noise [dB(A)]		54 / 33 / 18	51 / 29 / 18	50 / 31 / 22
Air Purifying & Humidifying Humidifying Capacity [ml/h]		700 / 400 / 250	500 / 230 / 150	350 / 170 / 100
Air Volume [m³/min]		6.3 / 3.1 / 1.9	4.9 / 2.3 / 1.3	3.5 / 1.6 / 0.9
Power Consumption [W]		58 / 15 / 10	46 / 13 / 9	40 / 11 / 8
Noise [dB(A)]		53 / 36 / 25	51 / 34 / 23	50 / 31 / 22
Particle Filter		HEPA Composite	HEPA Composite	HEPA Composite
Filter Replace Indicator / Filter Life Check		●	●	●
MotorType		DC	DC	DC
3D Circulation Airflow		●	●	●
Twin Airflow Louver		●	-	-
Mega Catcher		●	●	-
House Dust Catcher		-	-	●
ECONAVI		ECONAVI	ECONAVI	-
Eco Mode		-	-	●
Auto Mode		●	●	●
Turbo Mode		-	-	-
Sleep Mode (8 hours)		●	●	●
Spot Air Mode		●	●	-
Sensor		Dirt / Odor / Humidity	Dirt / Odor / Humidity	Odor / Humidity
Human Activity Sensor		●	-	-
Light Sensor		●	●	-
Clean Sign		●	●	●
PM2.5 Indicator		-	-	-
Remote Control		-	-	-
Humidity Indicator		●	●	●
Humidity Setting		●	-	-
Child Lock		●	●	●
Seamless Drive		●	●	●
Tank Capacity [L]		3.5	2.3	2.1
Tank Stand		●	-	-
Caster Lock		●	-	-
Dimension (HxWxD) [mm]		636 x 398 x 265	560 x 360 x 240	560 x 360 x 200
Weight [kg]		10.2	8.6	7.8
HEPA Complete Filter / Composite Filter		F-ZXKP70Z	F-ZXMP55Z	F-ZXMP35Z
Deodorizing Filter		F-ZXFD70Z	F-ZXHD55Z	F-ZXFD35Z
Humidifying Filter		F-ZXKE90Z	F-ZXHE50Z	F-ZXCE50X
Large Particle Pre-filter		–	–	–
Deformaldehyde Filter		–	–	–

NON-HUMIDIFYING AIR PURIFIER




		Blue	White	Silver	Grey
Model	Asia	F-PXM55A	F-PXT50AKM	F-PXM35ASM	F-PXJ30A
Applicable Area [m² (ft²)]		41 (441)	36 (388)	26 (280)	20 (215)
nanoe Purification		nanoe™	nanoe™	nanoe™	nanoe™
		High / Medium / Low	High / Medium / Low	High / Medium / Low	High / Medium / Low
					Specification at 220V 50Hz
Air Purifying Air Volume [m³/min]		5.3 / 2.0 / 0.9	5.0 / 2.5 / 1.1	3.5 / 2.0 / 1.0	2.8 / 1.8 / 0.8
Power Consumption [W]		49 / 11 / 7	29 / 10 / 6.0	20 / 9 / 6	30 / 22 / 15
Noise [dB(A)]		52 / 32 / 18	47 / 33 / 19	44 / 32 / 18	44 / 35 / 21
Air Purifying & Humidifying Humidifying Capacity [ml/h]					
Air Volume [m³/min]					
Power Consumption [W]					
Noise [dB(A)]					
HEPA Filter		HEPA Composite	HEPA Composite	HEPA Composite	Composite Filter
Filter Replace Indicator / Filter Life Check		●	●	●	●
MotorType		DC	DC	DC	AC
3D Circulation Airflow		●	●	●	●
Twin Airflow Louver		-	-	-	-
Mega Catcher		-	-	-	-
House Dust Catcher		●	●	●	●
ECONAVI		ECONAVI	-	-	-
Eco Mode		-	-	-	-
Auto Mode		●	●	●	●
Turbo Mode		-	-	●	●
Sleep Mode (8 hours)		●	-	●	●
Spot Air Mode		-	-	-	-
Sensor		Dirt / Odor	Dirt	Odor	Odor
Human Activity Sensor		-	-	-	-
Light Sensor		●	-	-	-
Clean Sign		●	●	●	●
PM2.5 Indicator		Haze Mode	●	-	-
Remote Control		-	-	-	-
Humidity Indicator		-	-	-	-
Humidity Setting		-	-	-	-
Child Lock		●	-	●	-
Seamless Drive		●	●	●	-
Tank Capacity [L]		-	-	-	-
Tank Stand		-	-	-	-
Caster Lock		-	-	-	-
Dimension (HxWxD) [mm]		580 x 300 x 205	550 x 340 x 208	520 x 300 x 189	540 x 311 x 210
Weight [kg]		5.8	6.2	4.8	4.3
HEPA Complete Filter / Composite Filter		F-ZXMP55Z	F-ZXTS50Z	F-ZXMP35Z	F-ZXJP30Z
Deodorizing Filter		F-ZXHD55Z	–	F-ZXFD35X	F-ZXJD30Z
Humidifying Filter		–	–	–	–
Large Particle Pre-filter		–	–	–	–
Deformaldehyde Filter		–	–	–	–

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Disclaimer

1. Please note that products incorporating nanoe™ technology are not to be used for medical treatment.
2. nanoe™ is not intended to prevent infectious disease.
   The 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), mold fungi and allergens.
   For further information and details on test items and conditions please visit Panasonic HP as follows:
   http://panasonic.net/technology/nanoe/experiment.html
   However, nanoe™ does not create an aseptic environment, nor does it guarantee prevention of infection.
3. The information provided herewith is true and accurate as of time of publication. The manufacture, sale and specifications of products may be subject to change.
4. Data supplied regarding the effectiveness of nanoe™ have been obtained through experiments under special conditions using devices which generate electrostatic atomized water, and have not been tested through commercial products with the devices incorporated in them.
5. The actual effects may vary depending upon the specific condition of the room, etc.

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