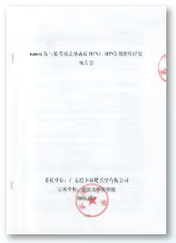
Scientific research at universities and laboratories have validated the effects of nanoe™ technology

Daido University (*1)

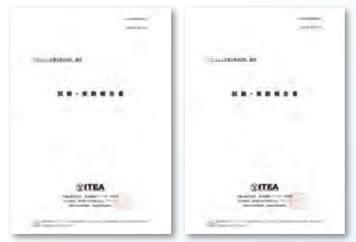
Wuhan University (*2)



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 : Test subject being exposed to nanoe™ for 1 week in a pet shop ・ Test Result : 85.6% of airborne odor and 74.3% of adhered odor is reduced
*2.Test Laboratory : Wuhan University ・ Test Subject : Influenza virus H1N1, H3N2 ・ Test Methodology : Test subject being exposed to nanoe™ for 12 hours in a 30 cu.m. space ・ Test Result : 99% is inhibited
*3.Test Laboratory : Japan Food Research Laboratory ・ Test Subject : Enterohemorrhagic Escherichia coli (O157:H7) ・ Test Methodology : Test subject being exposed to nanoe™ for 1 hour in a 45L test box ・ Test Result : 99.9% is inhibited ・ Report No.: 208120880-001 ・ Test Subject : Methicillin-resistant Staphylococcus aureus (MRSA) ・ Test Methodology : Test subject being exposed to nanoe™ for 1 hour in a 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 : Test subject being exposed to nanoe™ for 2 hours in a 1 cu.m. space by TCID50 ・ Test Result : 99.9% is inhibited ・ Report No.: 21_0084_1 ・ Test Subject : Staphylococcus aureus bacterium ・ Test Methodology : Test subject being exposed to nanoe™ in a 10 cubic meter 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 (allergen derived from dogs) ・ Test Methodology : Test subject being exposed to nanoe™ ・ Test Result : 99% is inhibited after 1 hour ・ Report No.: 11M-RPTAPR047_1 ・ Test Subject : Fel d 1 (allergen derived from cats) ・ Test Methodology : Test subject being exposed to nanoe™ ・ Test Result : 98% is inhibited after 2 hour ・ Report No.: 11M-RPTAPR051_1

Disclaimer

1.Products incorporating nanoe™ X and nanoe™ technology are not to be used for medical treatment.
2.nanoe™ X and nanoe™ are not intended to prevent infectious diseases. The technology has been found to be effective in suppressing a variety of harmful airborne and adhering substances, including viruses (e.g., H1N1), bacteria (e.g., E. coli), mold fungi, and allergens. However, nanoe™ X and nanoe™ do not create an aseptic environment, nor do they guarantee prevention of infection.
3.The effectiveness data of nanoe™ X and nanoe™ were obtained through experiments under special conditions by using the nanoe™ generating devices alone – not entire commercial products that contain such devices.
4.The deodorization effect varies according to the environment (e.g., temperature and humidity), operation time, odor, and fabric type. It does not eliminate the toxic substances found in cigarettes (e.g., carbon monoxide). Odors that are continuously generated (e.g., building material and pet odors) cannot be completely eliminated. Results may vary based on usage and seasonal/environmental variables (e.g., temperature and humidity).
5. nanoe™ X and nanoe™ inhibit the activity or growth of viruses and bacteria, but do not prevent infection.

Scan to know more about nanoe™ X technology

Panasonic®

Panasonic Ecology Systems Co., Ltd.
http://www.peshk.panasonic.hk

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

CATALOG NO: P-VNAP001
05.2023

Panasonic

nanoeX™

Refreshing air, refreshing your life

AIR PURIFYING SOLUTIONS

nanoeX Incorporates nanoe™ technology

Direct FRONT Suction

HEPA Filter

Features available on specific models only, see P.09-16 for details

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.

Good Air Quality is Essential

AIR

18 kg / person-day

15 m³ (Sphere diameter about 3 m)*1

WATER

1.2 kg(L)/person-day*2

FOOD

1.3 kg/person-day*3

*1. "Air and Humans - From a Physiological Viewpoint" (1999) by UCHIYAMA Iwao (National Institute of Public Health of Japan)
*2. "Heat Stroke Environmental Health Manual (2009)" from the Ministry of the Environment, Government of Japan
*3. "Basic Data Sheet of Agriculture, Forestry, and Fisheries, Statistics Regarding The Food Self-Sufficiency Rate" from Ministry of Agriculture, Forestry and Fisheries of Japan

What is Indoor Air Quality?

Indoor air quality (IAQ) indicates the quality of air in buildings such as homes, offices, public facilities, and schools. The quality of this air is vital to us leading healthy and comfortable lives.

IAQ Solution

Inhibit Viruses and Bacteria
Deodorize the room
Generate healthy and comfortable airflow

Panasonic Air Purifier Concept

Advanced purification system provides a healthier and cleaner breathing experience.

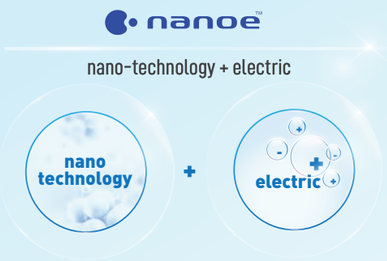
01 Active Purification
02 Efficient Filtration
03 Powerful Collection
04 Intelligent Sensing
05 Eco Operation

Features available on specific models only, see P.09-16 for more details

01

02

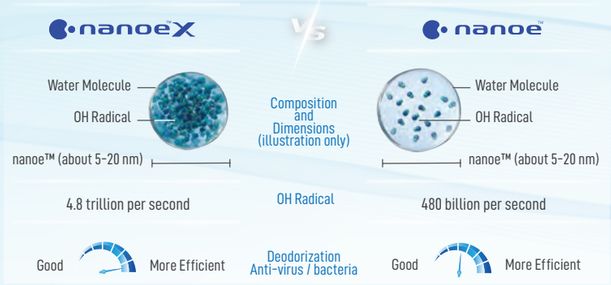
01. ACTIVE PURIFICATION



What is nanoe™ X?
Panasonic's Unique Technology

- nanoe™ X comprises fine (5–20 nm), weakly acidic water particles that are reactive and hold an electric charge.
- nanoe™ X also possesses anti-virus/bacteria, deodorization, and skin hydration properties.
- nanoe™ X technology has 6 times longer life spans than ordinary air ion technology.
- The nanoe™ X generating device in the air purifier is maintenance-free.

* 1 nm (nanometer) = one billionth of meter



Stronger Effect Than nanoe™

- Faster air purification speed
- Greater efficiency of inhibiting viruses and bacteria
- Increased deodorization strength

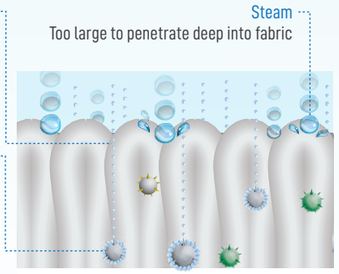
Microscopic Purification Beyond a Filter

Airborne pollutants can be easily absorbed by a filter, but some surfaces and adhering substances are difficult to purify. As nanoe™ X is about one-billionth of the volume of a stream particle, it can penetrate deeply into these areas to achieve the most effective results.

nanoe™ X
The nano-scale allows them to penetrate deep into fabric to prevent bacteria and unpleasant odors.

Allergens (e.g. pollen, mites, and mite droppings) are captured and inhibited.

Even odor particles in fabric can be thoroughly eliminated.



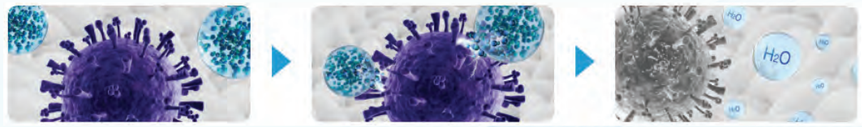
nanoe™ X Safety Verification

Purpose	Test Name	Test Institute
Impact on Chromosomes	Chromosome abnormality test using cultured cells	Japan Bioassay Research Center (#1)
Impact on Respiratory Organs	Repeated administration toxicity test	Life Science Research Laboratory (#2)
Toxicological and Carcinogenic Impact	Chronic toxicity and carcinogenicity combined test	Food and Drug Safety Center, Hatano Research Institute (#1)
Impact on DNA	Comet assay	Food and Drug Safety Center, Hatano Research Institute (#1)

#1 The Japan Bioassay Research Center and the Food and Drug Safety Center, Hatano Research Institute are compliant with GLP (Good Laboratory Practice) (*1)
Life Science Laboratories, Ltd. is a registered institute of the Network of Organizations Investigating Accident Causes (*2)

#2 (*1) GLP is a practice intended to promote the quality and validity of test data used for determining the safety of chemicals and chemical products. Test facilities are assessed for compliance with GLP to ensure the reliability of their test data.
(*2) The Network of Organizations Investigating Accident Causes is a network administered by National Institute of Technology and Evaluation under the Ministry of Economy, Trade and Industry.

Features of nanoe™ X Technology



nanoe™ X reliably reaches pollutant.

Hydroxyl radicals denature pollutant proteins.

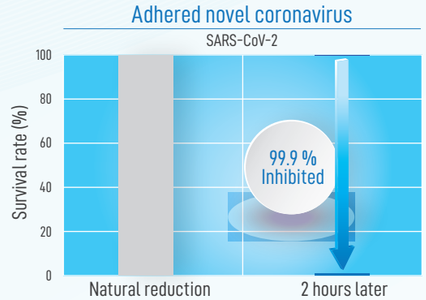
Pollutant is inhibited.

Anti-virus/bacteria

Viruses (99.9%) and bacteria (99.99%) inhibition

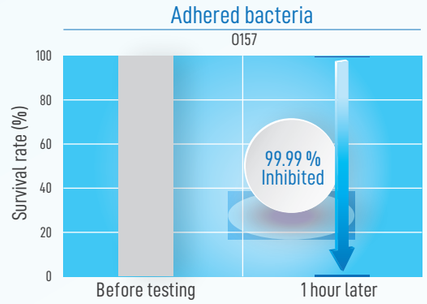
Adhered Novel Coronavirus (COVID-19)

Testing organization: TEXCELL (France)
Testing method: Exposed to a nanoe™ X device at 15cm distance in 45L enclosed box for 2 hours
Test substance: Adhered Novel Coronavirus (SARS-CoV-2)
Test results: Over 99.9% of activity is inhibited (1140-01 A1)



E. Coli (O157)

Testing organization: Japan Food Research Laboratories
Testing method: Measured the number of bacteria adhered to a cloth in an approximately 45L airtight test room
Inhibition method: nanoe™ released
Test substance: Adhered bacteria
Test results: Inhibited by at least 99.99% in 1 hour (208120880_001)

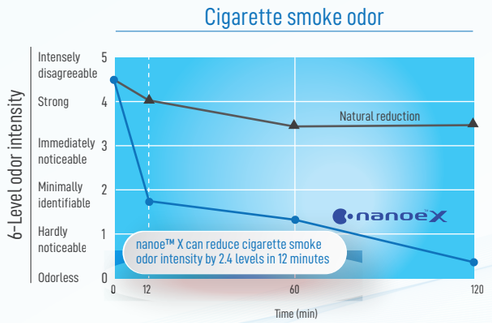


Deodorization

Reduction of cigarette smoke odor from strong to hardly noticeable level in only 1 hour

Cigarette Smoke Odor

Testing organization: Panasonic Product Analysis Center
Testing method: Verified odored gauze fabric using the six-level odor intensity scale method in an approximate 24m³ test room
Deodorization method: nanoe™ X released
Test substance: Adhered cigarette smoke odor
Test results: Odor intensity reduced by 2.4 levels in 12 mins. (4AA33-160615-N04)



02. EFFICIENT FILTRATION

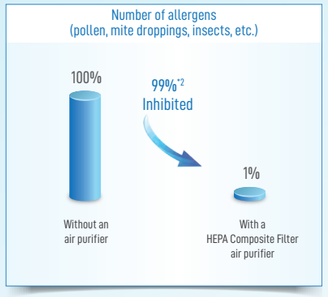
HEPA Composite Filter*1

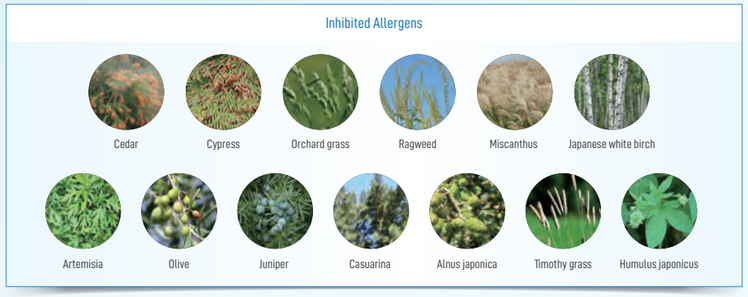
- Comprises three innovative technologies: Super alleru-buster,
- Green Tea Catechin, and Anti-bacteria Enzyme
- Inhibits viruses, bacteria, and 17 types of allergens by up to 99% *2
  Effectively removes up to 99.99% of PM0.003 particles*3

SUPER alleru-buster
Inhibits allergens by up to 99%

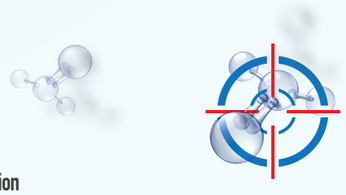
Green Tea "Catechin"
Inhibits viruses by up to 99%

Anti-bacteria Enzyme
Prevents bacteria reproduction





De-formaldehyde Technology (Only available for model F - PXU70A)



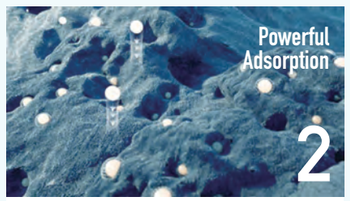
Super Nano-technology Deodorizing Filter

HEPA Composite Filter

3-steps to Eliminate Formaldehyde Contamination

Formaldehyde contaminants are removed by a 3-step process, namely chemical decomposition, activated carbon adsorption and trapping.

With the additive substance, formaldehyde is removed by mean of chemical decomposition.



The porous activated carbon efficiently traps the formaldehyde contaminants.

The additive strengthens the trapping stability of the activated carbon against the contaminants.

*1 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.

*2
- Super alleru-buster (Report no. 2127)
  Test Laboratory: Osaka Municipal Technical Research Institute of Japan. Test Methodology: Measure reduction level of tick allergens by Enzyme-linked Immuno Sorbent Assay. Inhibit Method: Contact with Super alleru-buster. Test Subject: Allergens captured by filter (tick, pollen, etc.). Test Results: 99% or more is inhibited.
  Catechin (Report no. 15-0115)
- Test Laboratory: Kitasato Research Centre of Environmental Sciences. Test Methodology: Inhibit rate of virus using the Plaque method. Inhibit Method: Contact with Green Tea Catechin. Test Subject: Virus captured by filter. Test Results: 99% or more is inhibited.
  Anti-bacteria Enzyme (Report no. 207060074-002)
- Test Laboratory: Japan Food Research Laboratory. Test Methodology: Testing of the filter's anti-mold function using the Harrow method

*3 PM0.003 particle (UN2-190711-T3599900-81, UN2-200911-T5599900-136, F2-221111-T5599900-124 and F2-221111-T5599900-124-2)
Test Laboratory: IUTA. Test Subject: NaCl aerosol. Test Results: 3 nm particle removal efficiency >99.99%
Removal performance of filter only. The performance for whole house would be different.

03. POWERFUL COLLECTION

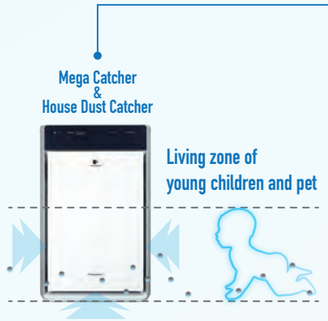
Direct Front Suction

Efficient | Easy Maintenance | Space-saving

The unique and powerful Direct Front Suction draws the air into the unit at product front for filtration of air pollutants. In addition, filter replacement could be done simply by taking out the front panel. This allows user to do maintenance at easy. Furthermore, as air pollutants are taken into at the front, the unit could be placed at 1cm from the wall, which allows user to have more spare space in the room.

3D Circulation Airflow

Our indoor environment may contain a lot of air pollutants, some are closer to the ceiling and some are closer to the floor. The 3D Circulation Airflow offers two modes, namely "Slide Airflow" and "Front Airflow". Pollutants could be removed by the two modes respectively.



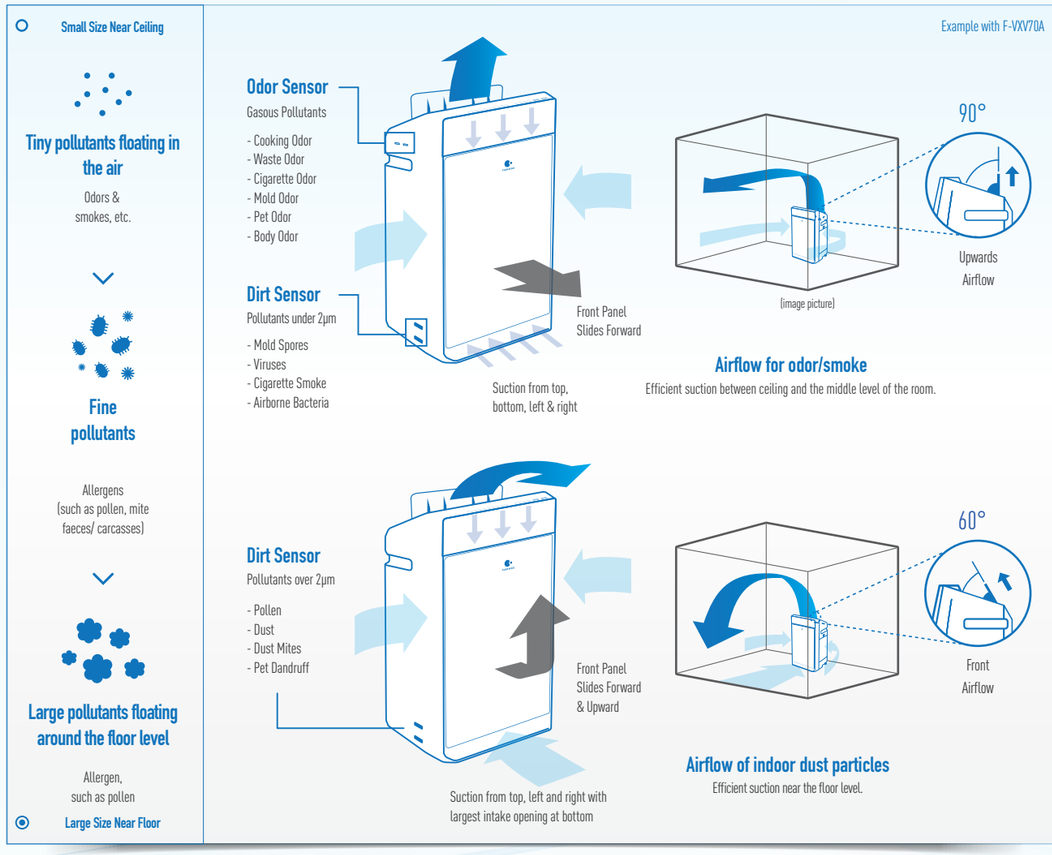
House Dust Catcher

Front Airflow mode can effectively intake large pollutants, such as dust particles and allergenic substances near the floor level, with its frontal intake opening. It is especially suitable for user that has young children as this function helps intake pollutants near the floor level.

Mega Catcher

MEGA CATCHER

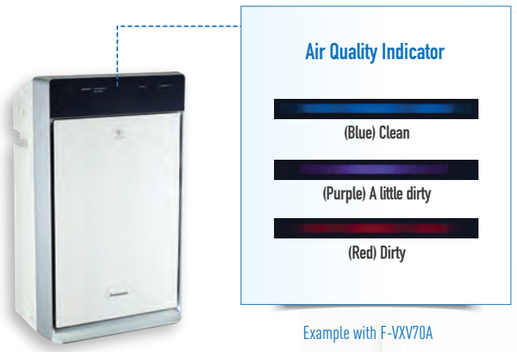
It is a powerful air purifying function which the front panel lifts up and opens for maximizing suction capacity, intaking large pollutants near the floor where young children play around. Upon intaking pollutants like pollen and PM2.5 particles, it brings a safer living environment to the young children.



Features available on specific models only, see P.09-18 for more details

04. INTELLIGENT SENSING

Using high-tech sensors and precise control programs to analyze room conditions and adjust the operation accordingly.



Example with F-VXV70A

Example with F-PXU70A

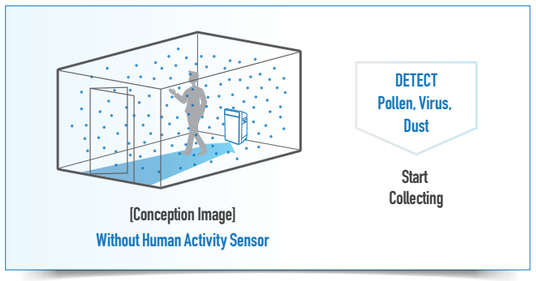
Odor & Dust Sensor

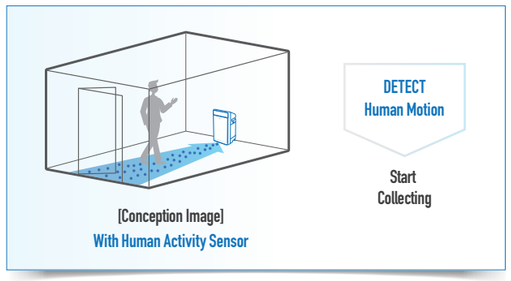
When the odor sensor and dirt sensor detect the corresponding pollutants, the fan speed or operation mode will change to remove the pollutants efficiently.

Example with F-VXV70A

Human Activity Sensor

Automatically adjust the air volume when an action of a person or pet is detected. It can predict the generation of indoor dust and able to operate before the indoor air pollutants disperse around the room.





Light Sensor

Achieves energy saving with optimized operation by auto sensor technology. The light sensor detects the indoor brightness and automatically adjust the fan speed as well as the brightness of control panel indicators.

(*) Adjustment of air volume is only available for operation under Auto, Full Auto and ECONAVI.
Control of operation is subject to different models

05. ECO OPERATION & OTHER FEATURES

ECONAVI

Intelligent sensors analyze room conditions, and also detect pollution levels and human movements. Based on sensor analysis, the operation mode will be adjusted accordingly using precise control programs to remove pollutants efficiently without unconscious waste of energy.

Mechanism of ECONAVI

Checking for Pollutants by Odor Sensor Dirt Sensor

SEARCH → PATROL OPERATION

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

Learning Pollution Pattern

LEARN → PATTERNED OPERATION

Allow machine-learning of the pollution timeline and intensity so as to automatically develop operation pattern, that can minimize the pollution before it spreads throughout the house.

Spot Air Mode

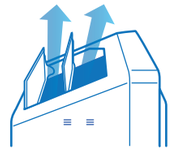
The supper louver will stay at the preferred position and the speed is set by default at Hi-Med, so to quickly clean the air for a specific area.

Sleep Mode

The product will operate at low speed with the display off or dimmed for 8 hours and then turn off automatically, allowing you to enjoy a comfortable sleep.

Twin Airflow Louver

Use 2 louvers to suppress the diffusion of airflow, creating a stronger airflow to help intake air pollutants easier.



Child Lock

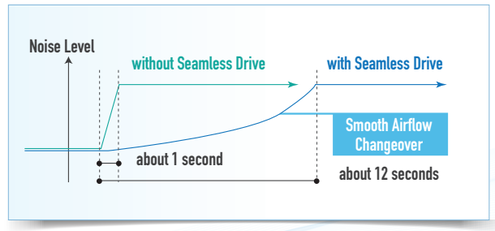
By pressing the Child Lock button and switching on this function, other buttons are disabled to avoid unintentional mis-operation.

Caster Lock

The caster can be locked to avoid the product being moved unintentionally.

Seamless Drive

Seamless drive is equipped for the newly developed DC (direct current) motor to ensure a smooth changeover of airflow. With this exclusive function, the noise during changeover is hardly noticeable.



Features available on specific models only, see P.09-18 for more details

"Superellipse" Design

Thanks to the aesthetics of "Superellipse", both art and functionality are achieved. The elegant and streamline look will really enhance your home.

F-VXV70A

Features

Air Purification

- nanoe™ X technology
- HEPA composite filter
- Super nano-technology deodorising filter

Special Feature

- Twin airflow louver
- Spot air mode
- 3-level humidity setting
- Direct current (DC) motor
- Seamless drive
- Child lock
- Tank stand
- Caster lock

Smart Sensing

- Dirt / Odor / Humidity sensor
- Human activity sensor
- Light sensor

Air Flow

- Direct front suction
- Mega catcher
- 3D circulation airflow

Indication

- Clean sign
- 5-level humidity indicator
- Filter replace indicator

nanoe X

Direct FRONT Suction

ECONAVI

Super allergy-buster

Anti-bacteria Enzyme

Green Tea Catechin

Applicable Area	Tank Capacity
52 m² (560 ft²)	3.5L
Dimension	**Weight**
H 636 x W 398 x D 265 mm	10.2 kg

Top Switch Panel

Operation Mode

- ECONAVI
- Auto mode
- Timer : 2 / 4 / 8 hours (sleep mode)

Front Indication Panel

Specifications

	Air Purifying			Air Purifying & Humidifying		
	High	Medium	Low	High	Medium	Low
Humidifying Capacity [mL/h]	-	-	-	700	400	250
Air Volume [m³/min]	6.7	2.7	1.1	6.3	3.1	1.9
Power Consumption [W]	66	11	6.0	58	15	10
Noise [dB(A)]	54	33	18	53	36	25

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

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.

F-PXU70A

Features

Air Purification

- nanoe™ X technology
- HEPA composite filter
- Super nano-technology deodorising filter
- De-formaldehyde function

Special Feature

- "Superellipse" design
- Child lock

Smart Sensing

- PM2.5 sensor
- Odor sensor
- Brightness sensor

Indication

- LCD indication panel
- PM2.5 concentration digital indicator
- Odor level indicator
- Filter replacement indicator

nanoe X

Super allergy-buster

Anti-bacteria Enzyme

Green Tea Catechin

Applicable Area	
52 m² (560 ft²)	
Dimension	**Weight**
H 560 x W 362 x D 280 mm	8 kg

Top Switch Panel

Operation Mode

- Auto mode

Front Indication Panel

Specifications

	Air Purifying		
	High	Medium	Low
Air Volume [m³/min]	7	3.1	1.1
Power Consumption [W]	36	10.5	6.5
Noise [dB(A)]	48	32	18

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

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.

F-PXV55A

Features

Air Purification

- nanoe™ X technology
- HEPA composite filter
- Super nano-technology deodorising filter

Special Feature

- Direct current (DC) motor
- Seamless drive
- Child lock

Smart Sensing

- Dirt / Odor / sensor
- Light sensor

Air Flow

- Direct front suction
- House dust catcher
- 3D circulation airflow

Indication

- Clean sign
- PM2.5 indicator
- Filter replace indicator

nanoeX

Direct FRONT Suction

ECONAVI

Super alleru-buster

Anti-bacteria Enzyme

Green Tea Catechin

Applicable Area

41 m² (441 ft²)

Dimension

H 580 x W 300 x D 205 mm

Weight

5.8 kg

Top Switch Panel

Operation Mode

- ECONAVI
- Auto mode
- PM2.5 mode
- Sleep mode (8 hours)

Front Indication Panel

Specifications

	Air Purifying		
	High	Medium	Low
Air Volume [m³/min]	5.3	2.0	0.9
Power Consumption [W]	49	11	7.0
Noise [dB(A)]	52	32	18

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

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.

F-PXV50A

Features

Air Purification

- nanoe™ X technology
- 2 in 1 HEPA composite and deodorising filter

Special Feature

- Manual brightness adjustment
- Direct current (DC) motor
- Seamless drive
- PM2.5 mode

Smart Sensing

- Dirt sensor

Air Flow

- Direct front suction
- House dust catcher
- 3D circulation airflow

Indication

- Clean sign
- PM2.5 indicator
- Filter replace indicator

nanoeX

Direct FRONT Suction

Super alleru-buster

Anti-bacteria Enzyme

Green Tea Catechin

Applicable Area

36 m² (388 ft²)

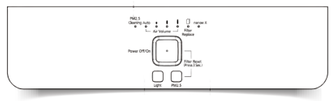
Dimension

H 550 x W 340 x D 208 mm

Weight

6.2 kg

Top Switch Panel



Operation Mode

- Auto mode
- PM2.5 mode

Specifications

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

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

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.

F-PXV35A

Features

Air Purification

- nanoe™ X technology
- HEPA composite filter
- Super nano-technology deodorising filter

Special Feature

- Direct current (DC) motor
- Seamless drive

Smart Sensing

- Odor sensor

Air Flow

- Direct front suction
- House dust catcher
- 3D circulation airflow

Indication

- Clean sign
- Filter replace indicator

nanoeX

Direct FRONT Suction

Super allerU-buster

Anti-bacteria Enzyme

Green Tea Catechin

Applicable Area

26 m² (280 ft²)

Dimension

H 520 x W 300 x D 189 mm

Weight

4.8 kg

Top Switch Panel

Operation Mode

- Turbo mode
- Auto mode
- Sleep mode (8 hours)

Specifications

	Air Purifying		
	High	Medium	Low
Air Volume [m³/min]	3.5	2.0	1.0
Power Consumption [W]	24	9.0	6.0
Noise [dB(A)]	49	35	21

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

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.

F-PXJ30A

Features

Air Purification

- nanoe™ technology
- Composite air filter
- Super nano-technology deodorizing filter

Smart Sensing

- Odor sensor

Air Flow

- Direct front suction
- House dust catcher
- 3D circulation airflow

Indication

- Clean sign
- Filter replace indicator

nanoe

Direct FRONT Suction

Super allerU-buster

Anti-bacteria Enzyme

Green Tea Catechin

Applicable Area

20 m² (215 ft²)

Dimension

H 540 x W 311 x D 210 mm

Weight

4.3 kg

Top Switch Panel

Operation Mode

- Turbo mode
- Auto mode
- Sleep mode (8 hours)

Specifications

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

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

F-P15EHA

Features

Air Purification

- HEPA dust filter

Special Feature

- Child lock

Air Flow

- Direct front suction
- House dust catcher
- 3D circulation airflow

Direct FRONT Suction

Applicable Area	
13 m² (140 ft²)	
Dimension	**Weight**
H 385 x W 310 x D 165 mm	3.5 kg

Top Switch Panel

Operation Mode

- Auto mode
- Sleep Mode (2/4/8 hours)

Specifications

	Air Purifying		
	High	Medium	Low
Air Volume [m³/min]	1.6	1.2	0.8
Power Consumption [W]	29	22	18
Noise [dB(A)]	44	40	32

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

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.

nanoe™ X Generator
(ceiling mounted type)

FV-15CSD1

Features

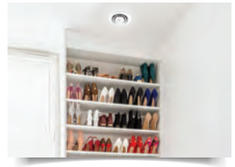
- nanoe™ X Technology
- Silent operation
- Low power consumption
- Easy installation
- Compact in size

nanoeX

Applicable Area	Dimension	Weight
30 m² (1,060 ft²)	H 170 x W 200 x D 170 mm	1.1 kg

Specifications

Air Volume [m³/min]	5.0
Power Consumption [W]	29
Noise [dB(A)]	47



Shoe Cloakroom

Walk-in Closet

Dining Area

Living Room

Nursery

Meeting Room

Reception

Changing Room

Bedroom

Note:
The calculation of applicable area is based on the standard JEM1467, as stipulated by the Japan Electrical Manufacturers Association. The applicable area us defined as the area filled with dirty air, 30 mins under 1 air change per hour of natural ventilation, as specified under the Building Sanitation Law.

nanoe™ X Generator
(portable type)

F-GPT01A

Features

- nanoe™ X Technology
- Portable and lightweight
- Suitable in vast applications
- Convenient power supply by Type C USB cable
- Easy operation by just 1 on/off button

nanoeX

Applicable Area	Dimension	Weight
3 m³ (106 ft³)	Top diameter: 90 mm Bottom diameter: 66 mm Height: 170 mm	0.4 kg

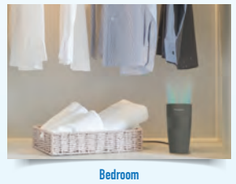
Specifications

Air Volume [m³/min]	0.07
Power Consumption [W]	3.5
Noise [dB(A)]	34

Hotel

Shoes Rack

Car



Bedroom

Office

Cafe

Model	F-VXV70A	F-PXU70A	F-PXV55A	F-PXV50A	F-PXV35A	F-PXJ30A	F-P15EHA	FV-15CSD1	F-GPT01A
nanoe™ X Technology	○	○	○	○	○	-	-	○	○
nanoe™ Technology	-	-	-	-	-	○	-	-	-
Setting	High / Medium / Low	High / Medium / Low	High / Medium / Low	High / Medium / Low	High / Medium / Low	High / Medium / Low	High / Medium / Low	-	-
Air Volume [m^3/min]	6.7 / 2.7 / 1.1	7 / 3.1 / 1.1	5.3 / 2.0 / 0.9	5.0 / 2.5 / 1.1	3.5 / 2.0 / 1.0	2.8 / 1.8 / 0.8	1.6 / 1.2 / 0.8	0.25	0.07
Power Consumption [W]	66 / 11 / 6.0	36 / 10.5 / 6.5	49 / 11 / 7.0	29 / 10 / 6.0	24 / 9.0 / 6.0	30 / 22 / 15	29 / 22 / 18	4	3.5
Noise [dB(A)]	54 / 33 / 18	48 / 32 / 18	52 / 32 / 18	47 / 33 / 19	49 / 35 / 21	44 / 35 / 21	44 / 40 / 32	23.5	34
ECONAVI	○	-	○	-	-	-	-	-	-
Auto Mode	○	○	○	○	○	○	-	-	-
PM2.5 Mode	-	-	○	○	-	-	-	-	-
Turbo Mode	-	-	-	-	○	○	-	-	-
Spot Air Mode	○	-	-	-	-	-	-	-	-
Sleep Mode	○ (2 / 4 / 8 hours)	-	○ (8 hours)	-	○ (8 hours)	○ (8 hours)	○ (2 / 4 / 8 hours)	-	-
Twin Airflow Louver	○	-	-	-	-	-	-	-	-
Child Lock	○	○	○	-	-	-	○	-	-
Caster Lock	○	-	-	-	-	-	-	-	-
Seamless Driver	○	-	○	○	○	-	-	-	-
Dirt Sensor	○	○	○	○	-	-	-	-	-
Odor Sensor	○	○	○	-	○	○	-	-	-
Light Sensor	○	○	○	-	-	-	-	-	-
Humidity Sensor	○	-	-	-	-	-	-	-	-
Direct Front Suction	○	-	○	○	○	○	○	-	-
Mega Catcher	○	-	-	-	-	-	-	-	-
House Dust Catcher	-	-	○	○	○	○	○	-	-
3D Circulation Airflow	○	-	○	○	○	○	○	-	-
HEPA Composite Filter	○	○	○	-	○	-	-	-	-
2-in-1 HEPA Composite and Deodorizing Filter	-	-	-	○	-	-	-	-	-
HEPA Dust Filter	-	-	-	-	-	-	○	-	-
Super Nano-technology Deodorizing Filter	○	○	○	-	○	○	-	-	-
De-formaldehyde Function	-	○	-	-	-	-	-	-	-
Humidifying Filter	○	-	-	-	-	-	-	-	-
Composite Air Filter	-	-	-	-	-	○	-	-	-
Applicable Area	52 m^2 (560 ft^2)	52 m^2 (560 ft^2)	41 m^2 (441 ft^2)	36 m^2 (388 ft^2)	26 m^2 (280 ft^2)	20 m^2 (215 ft^2)	13 m^2 (140 ft^2)	30 m^3 (1,060 ft^3)	3 m^3 (106 ft^3)
Dimension (H x W x D) [mm]	636 x 398 x 265	560 x 362 x 280	580 x 300 x 205	550 x 340 x 208	520 x 300 x 189	540 x 311 x 210	385 x 310 x 165	170 x 200 x 170	Top: 90; Bottom: 66; Height: 170
Weight [kg]	10.2	8	5.8	6.2	4.8	4.3	3.5	1.1	0.4

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.