



Bringing nature's balance indoors Ceiling mounted air-e nanoe™ generator

Deodorises & inhibits certain bacteria, viruses, mould, pollens & allergens for better indoor air quality

- nanoe™ X technology
- Silent operation
- Low power consumption



nanoe™ X, technology with the benefits of hydroxyl radicals.

Abundant in nature, hydroxyl radicals (also known as OH radicals) have the capacity to inhibit pollutants, viruses, and bacteria to clean and deodorise.

In our daily life, there are various odours and smells generated from indoor/outdoor activities that may affect our comfort. Also, pollutants brought in from outdoors may adversely impact residents, while mould grows rapidly in humid seasons causing allergic problems to some individuals.



Smoke and odours



Bacteria and viruses



Mould



Pollen

nanoe™ X



The FV-15CSD1G air-e nanoe™ X device generates 4.8 trillion nanoe™ per second for an improved air quality and comfort.



Bringing nature's balance indoors with Panasonic's unique nanoe™ X technology built into the air-e (nanoe™ Generator)



Homes



Hotels



Retail outlets



Elderly care



Child care / Schools



Gyms



Offices



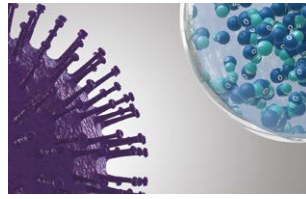
Hospitals



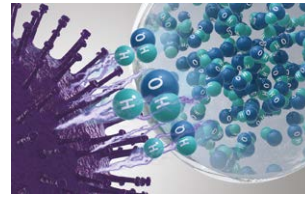
Restaurants

Panasonic's nanoe™ X technology takes this a step further and brings nature's detergent – hydroxyl radicals – indoors to help create an ideal environment

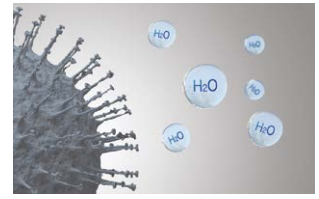
Thanks to the nanoe™ X properties, several types of pollutants can be inhibited such as certain types of bacteria, viruses, mould, allergens, pollen and certain hazardous substances.



1 | nanoe™ X reliably reaches pollutants.

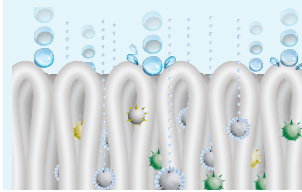


2 | Hydroxyl radicals denature pollutants' proteins.



3 | Pollutants activity is inhibited.

What is unique about nanoe™ X?



Effective on fabrics and surfaces. At one billionth of a metre, nanoe™ X is much smaller than steam and can deeply penetrate cloth fabrics to deodorise.



Longer lifespan. Contained in tiny water particles, nanoe™ X has a long lifespan, which is about 600 seconds, to spread easily around the room.



Huge quantity. nanoe™ X Generator produces 4,8 trillion hydroxyl radicals per second.



Maintenance-free. No service and maintenance required. nanoe™ X is a filter free solution that does not require maintenance.

7 effects of nanoe™ X – Panasonic unique technology

Deodorises



Odours

Capacity to inhibit 5 types of pollutants



Bacteria and viruses



Mould



Allergens



Pollen



Hazardous substances



Skin and hair

* Refer to <https://aircon.panasonic.eu> for more details and validation data.

The tested effects of nanoe™ X

Bacteria and viruses

SARS-CoV-2

· 99,9% % inhibited¹⁾

Influenza virus H1N1 subtype

· 99,9 % inhibited²⁾

1) Novel coronavirus [SARS-CoV-2] → [Test organization] Texcell [France] [Test subject] Adhered novel coronavirus [SARS-CoV-2] [Test volume] 45L enclosed box [Test result] Inhibited 99.9% in 2 hours [Test report] 1140-01 A1

2) Adhered virus [Influenza virus H1N1 subtype] → [Test organization] Kitasato Research Center for Environmental Science [Test subject] Influenza virus [H1N1 subtype] [Test volume] 1,000L enclosed box [Test result] Inhibited 99.9% in 2 hours [Test report] 21_0084_1

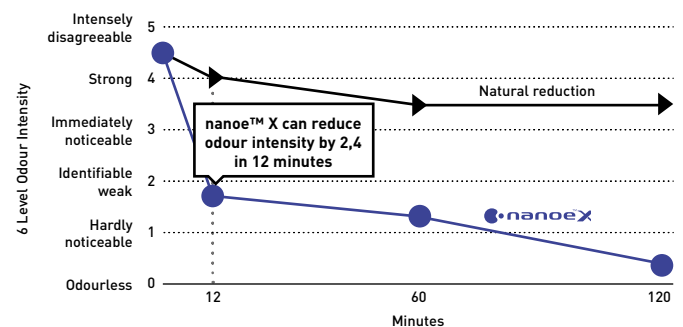
3) Deodorisation effect for adhering odour [cigarette smoke] → [Test organization] Panasonic Product Analysis Center [Test subject] Adhered cigarette smoke odour [Test volume] Approx. 24m3 laboratory [Test result] Odour intensity reduced 2.4 levels in 0.2 hours [Test report] 4AA33-160615-N04

Performance of nanoe™ X might differ in real life environment and is only expected in the same room as where the unit is placed. The nanoe™ X performance varies depending on the room size, environment and usage and it may take several hours to reach the full effect. Nanoe X is not a medical device.

Odour

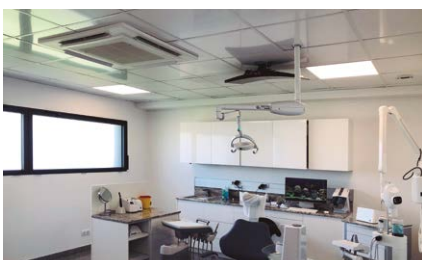
nanoe X Generator can reduce cigarette smoke odour intensity by 2,4 levels in 12 minutes.

Deodorisation effect for adhering odour [cigarette smoke]³⁾



For further details and validation data, please refer to the following website.

nanoe™ X case studies



Cabinet Dental. France



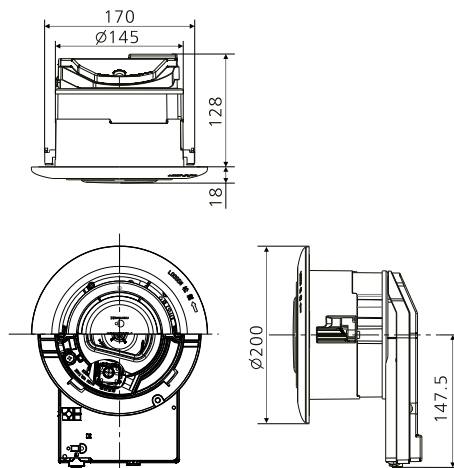
Mercat d'autors shop. Spain

Cabinet Dental. France: The request by a customer to manage the indoor air quality in order to ensure irreproachable hygiene and odour control.

Mercat d'autors shop. Spain: The nanoe X air purification system was chosen to ensure a cleaner air supply at a food market.

FV-15CSD1G. Ceiling mounted air-e nanoe™ generator

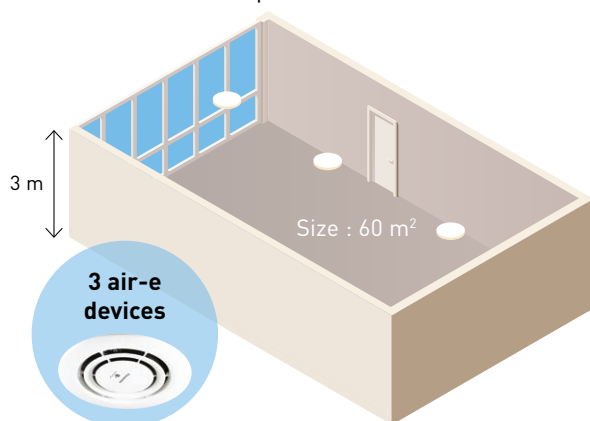
- nanoe™ X technology
- Silent operation. Whisper quiet - at 27 dB(A)
- Low power consumption
- Easy Installation
- Compact and modern design



Model	Voltage		Air Volume		Consumption	Noise	Weight
	V	Hz	m³/h	CFM	W	dB(A)	kg
FV-15CSD1G	220	50	15	8,8	4	23,5	1,1
	230	50	16	9,4	4	25,5	1,1
	240	50	17	10	4	27	1,1

One device is suitable for around 20 m² (with a ceiling height 3 m)

Ex) 3 air-e devices are required for the room size 60 m²



Concentration Simulator is ready

See how nanoe™ X fills space.



Panasonic is a total indoor air quality solution provider.

Panasonic offers a total HVAC solution for indoor air quality from residential to commercial applications.



air-e™

Heating and Cooling

Ventilation

AHU Control

Panasonic®

To find out how Panasonic cares for you, log on to:
www.aircon.panasonic.eu

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