Panasonic

air-e™

FV-15CSD1

PURIFY YOUR AIR

CEILING MOUNTED

air-e nanoe™X GENERATOR

DEODORISES & INHIBITS BACTERIA, VIRUSES, MOULD, POLLENS & ALLERGENS

FOR BETTER INDOOR AIR QUALITY

nanoe™X

QUALITY AIR FOR LIFE

The daily indoor activities which we undertake generate various odours and smells, which can impact our comfort levels. The pollutants which we bring in from outside also have consequences to the indoor air quality. Additionally the growth of mould in humid seasons may cause allergic problems for some people. All these factors can result in the quality of our indoor air being as bad if not worse than the outside air quality.

Smoke

Bacteria

Pollen

Mould

Viruses

Odours

PURIFY THE INDOOR AIR WITH PANASONIC'S UNIQUE nanoe™X TECHNOLOGY BUILT INTO THE air-e (nanoe™X GENERATOR)

Homes

Hotels

Retail Outlets

Aged Care

Child Care/Schools

Gyms

Offices

Hospitals

Restaurants

WHAT IS nanoe™X?

nanoe™ = nano-technology + electric

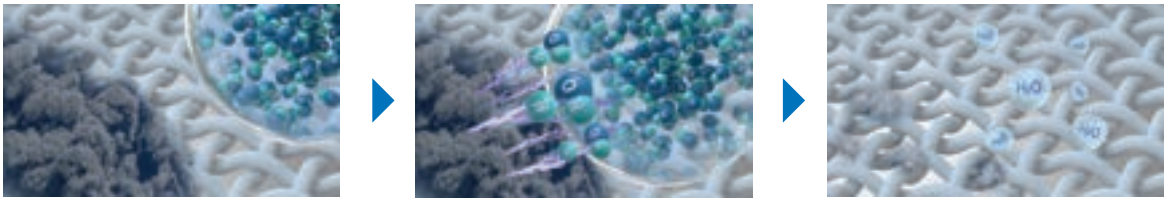
nanoe™ are Hydroxyl Radicals (OH) inculpated in water, giving them a longer life span (up to 10 min*1). Their size is 5-20nm*2 which allows them to penetrate fabrics thoroughly and reach every corner of the room in order to inhibit pollutants like viruses and allergens etc.

The FV-15CSD1 air-e nanoe™X device generates 4.8 trillion nanoe™ per second, effectively inhibiting both adhered and airborne pollutants for an improved air quality and comfort.

*1 https://www.panasonic.com/global/consumer/clean/hydroxyl/history.html
*2 1nm (nanometre = 0.000000001m (one billionth of a metre)

HOW nanoe™X INHIBITS POLLUTANTS

ODOUR

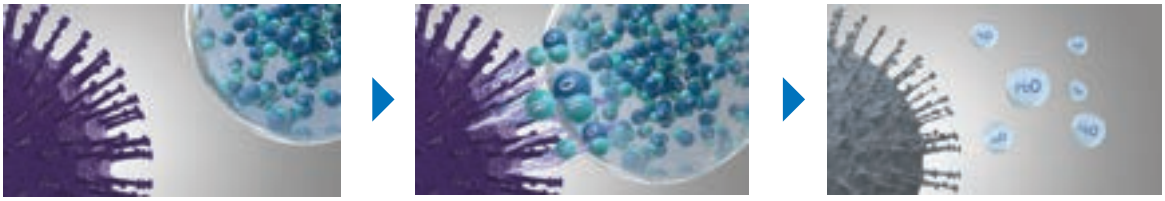


nanoe™X reliably reaches odours embedded in fibres

OH• radicals break down odour-causing substances

Odour is eliminated *1

VIRUS

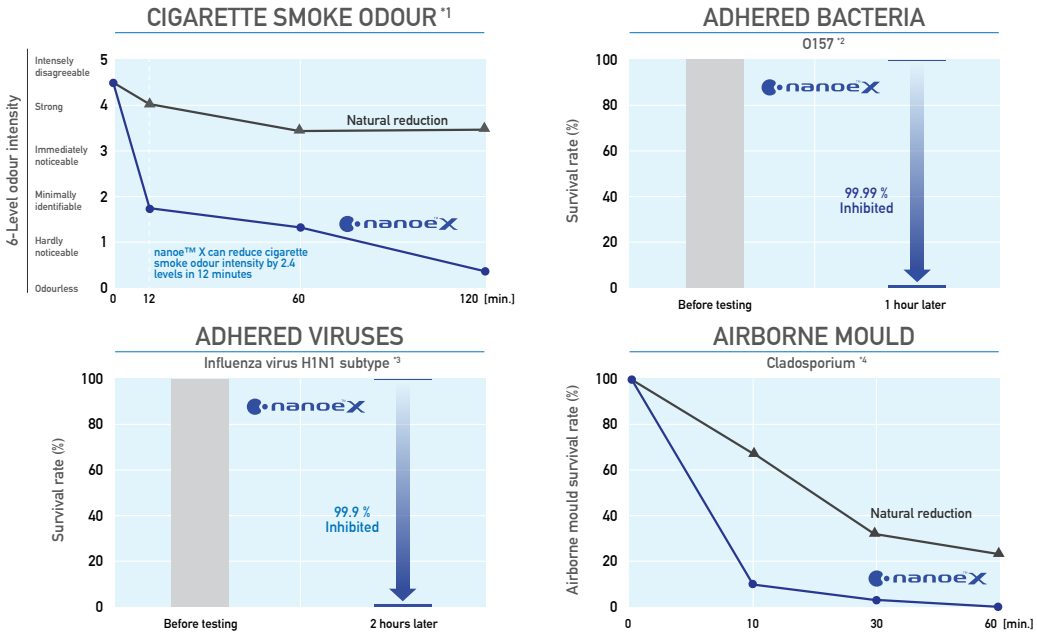


nanoe™ X reliably reaches viruses

OH• radicals transform virus proteins

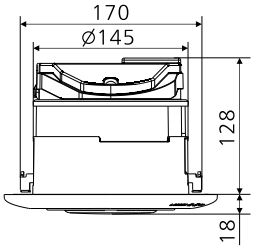
Virus activity is inhibited *3

THE TESTED EFFECTS OF nanoe™X



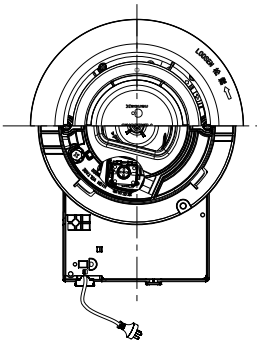
*1 <Cigarette smoke odour> [Test organisation] Panasonic Product Analysis Centre [Test method] Verified using the 6-level odour intensity scale method in an approximately 23m³ sized test room [Test method] nanoe™ released [Test substance] Surface-attached cigarette smoke odour [Test result] Odour intensity reduced by 2.4 levels in 12 min. (4AA33-160615-N04)
*2 <Adhered bacteria (O157)> [Test organisation] Japan Food Research Laboratories [Test method] Measured the number of bacteria adhered to a cloth in an approximately 45L sized airtight test room [Test method] nanoe™ released [Test substance] Adhered bacteria [Test result] Inhibited by at least 99.99% in 1 hour (208120880_001)
*3 <Adhered virus (Influenza virus H1N1 subtype)> [Test organisation] Kitasato Research Centre for Environmental Science [Test method] Measured the number of virus adhered to a cloth in an approximately 1m³ sized airtight test room [Test method] nanoe™ released [Test substance] Adhered virus [Test result] Inhibited by at least 99.9% in 2 hours (21_0084_1)
*4 <Airborne mould (Cladosporium)> [Test organisation] Japan Food Research Laboratories [Test method] Measured the number of mould altered in an approximately 23m³ sized test room [Test method] nanoe™ released [Test substance] Airborne mould [Test result] Inhibited by at least 99% in 1 hour (205061541-001)

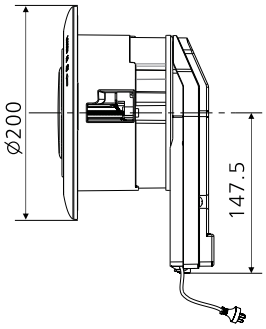
air-e (Ceiling Mount nanoe™X Generator) nanoe™X



DIMENSIONS

Unit : mm





FEATURES

- nanoe™X Technology - approved by the National Asthma Council of Australia's Sensitive Choice Program
- Whisper quiet - at 27dB(A)
- Easy Installation - built-in cord & 3-pin plug
- Compact and Modern Design

SPECIFICATIONS

Model	Electrical Supply		Air Volume	Power Consumption	Noise @1m	Weight
FV-15CSD1	240V	50Hz	4.7L/s	4W	27dB(A)	1.3kg

- The value of air volume, power consumption and noise are specified at static pressure 0Pa.
- The value of air volume is the mean value and a tolerance of +-10% is allowed.
- The value of noise level is a weighted average sound pressure level, the mean value is measured by Panasonic. A tolerance of +3dB/-7dB is allowed. The noise is measure at 1m apart from the left, the front and below of the tested product.
- Conditions of generating nanoe™X
  - Room temperature: about 5°C ~ 40°C (dew point temperature more than 2°C).
  - Relative humidity: about 30% ~ 85%.
- nanoe™X is generated using the air in the room, and its amount is subject to the temperature and humidity in the air.

EFFECTIVENESS OF nanoe™X

DEODORISES

Odours

INHIBITS 5 TYPES OF POLLUTANTS

Bacteria & Viruses

Mould

Allergens

Pollen

Hazardous Substances

MOISTURISES

Skin & Hair

For further details and validation data, please refer to the following website:
https://aircon.panasonic.com/introducing/whats_nanoe/nanoex.html

Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it. Specifications are subject to change without prior notice. The contents of this catalogue are accurate as of August 2021. Due to printing considerations, the actual colours may vary slightly from those shown. All graphics are provided merely for the purpose of illustrating a point.

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AIR CONDITIONING