

Product catalogue 2021

# Air Purifiers

MC55XVM6 and MC40XVM6



GET YOUR  
**AIR 'IMMUNIZED'!**

1	Immunize your air for safe and healthy living .....	03 - 06
2	Daikin's Streamer Technology .....	07
3	The 3 C's of Streamer .....	08 - 09
4	Test Results of Streamer Devices.....	10 - 12
5	Experimental results of .....	13
	Daikin Streamer Technology	
6	Daikin's Active Plasma Ion Technology .....	14
7	Test Results of Active Plasma Ion Device .....	14 - 15
8	Daikin's unique Double method.....	16 - 17
9	Featuring Electrostatic HEPA filter.....	18
10	Three steps to decompose harmful substances .....	19 - 20
11	New Stylish and Compact Design .....	21 - 23
12	Powerful Suction and Reduced Operation Sound .....	24
13	Convenience.....	25
14	Installation image.....	26
15	Specifications .....	27
16	Functions.....	28 - 29

# INDEX

## IMMUNIZE YOUR AIR FOR SAFE AND HEALTHY LIVING

The world is dealing with the pandemic and millions of people are directly and indirectly affected by the deadly Coronavirus (SARS-CoV-2) with severe effects on the human respiratory system and drastically lowering immunity.

The air inside your home may look clean and pure, but the truth is that it is buzzing with many viruses, bacteria, allergens and other harmful pollutants that are invisible to the naked eye. Inhaling this polluted air can lead to various health problems like chest congestion, rhinitis, blocked nose and eye irritation to name a few. Hence, maintaining a clear air within your living spaces is of utmost importance.

Expecting women, young children and older adults need to ensure that the indoor air is clean as their immune system may be compromised. They are more susceptible to contagious infections, asthma, lung diseases and heart diseases.

Daikin Air Purifiers with Streamer Discharge Technology inactivates viruses and eliminates many such pollutants to create a healthy and fresher environment inside our homes.



# KIND OF INDOOR POLLUTANTS

# HEALTH DANGERS

Effects of being exposed to indoor pollutant



# THE CURRENT QUALITY OF AIR



Out of 17 countries across 4 continents, Indians have the poorest lungs.

As a result of air-pollution even healthy, non-smoking Indians have 30% lower efficiency of breathing (lung function) as compared to Europeans.



13 of the 20 most polluted cities in the world are in India.

Air-pollution leads to chronic bronchitis, allergies, persistent cough and inflammation of airways.



Indian cities witness hazardous levels of harmfully suspended particles in the air called Respirable particulate matter ( $PM_{10}$ ) and Fine particulate matter ( $PM_{2.5}$ ).

Pollutants released into small enclosed areas like homes and offices builds up more than open spaces.



**PM<sub>2.5</sub>**

PM (particulate matter) 2.5, which can not only get deep into a person's lungs but can also enter the blood stream, has reached extremely dangerous levels.

Hence, indoor air can be upto 5X more contaminated than the outdoor air.



Note \*Above information / data is based on media reports. References available on request.

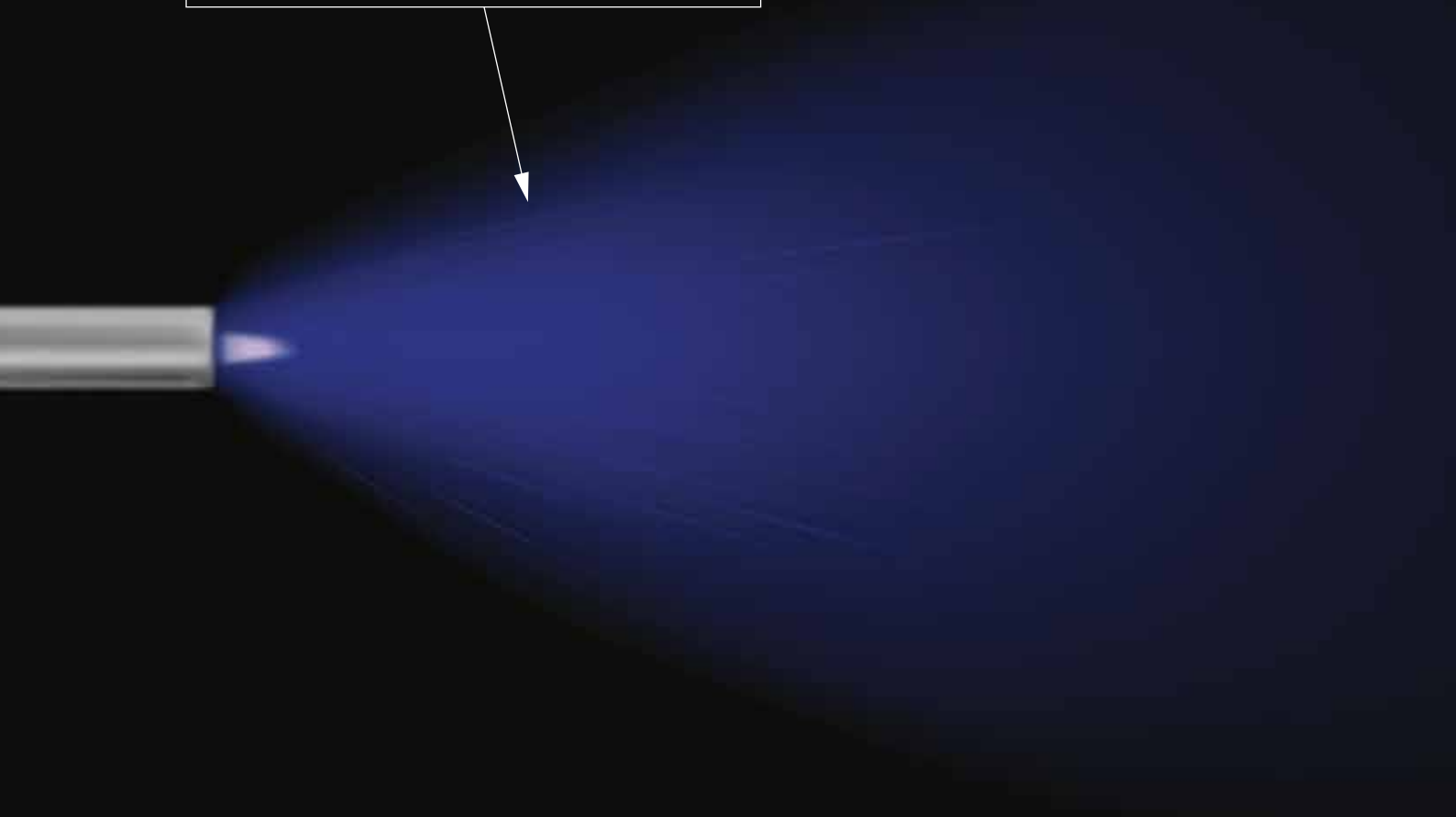


Suitable for home and offices.  
The sophisticated appearance  
fits in perfectly with a room'  
interior design.

# DAIKIN'S STREAMER TECHNOLOGY

"Streamer Discharge" is a type of plasma discharge which generates high speed electrons that combine with oxygen and nitrogen in the air and turn into active species with strong oxidative decomposition power and thereby eliminate allergens such as mould, mites (droppings and dead mites), and pollen, and hazardous chemical substances such as formaldehyde. Compared to standard plasma discharge (glow discharge), its speed of oxidative decomposition is over 1000 times greater with the same electrical power. The decomposition power is comparable to thermal energy of about 100,000°C.\*<sup>1</sup>

ELECTRON GENERATION AREA



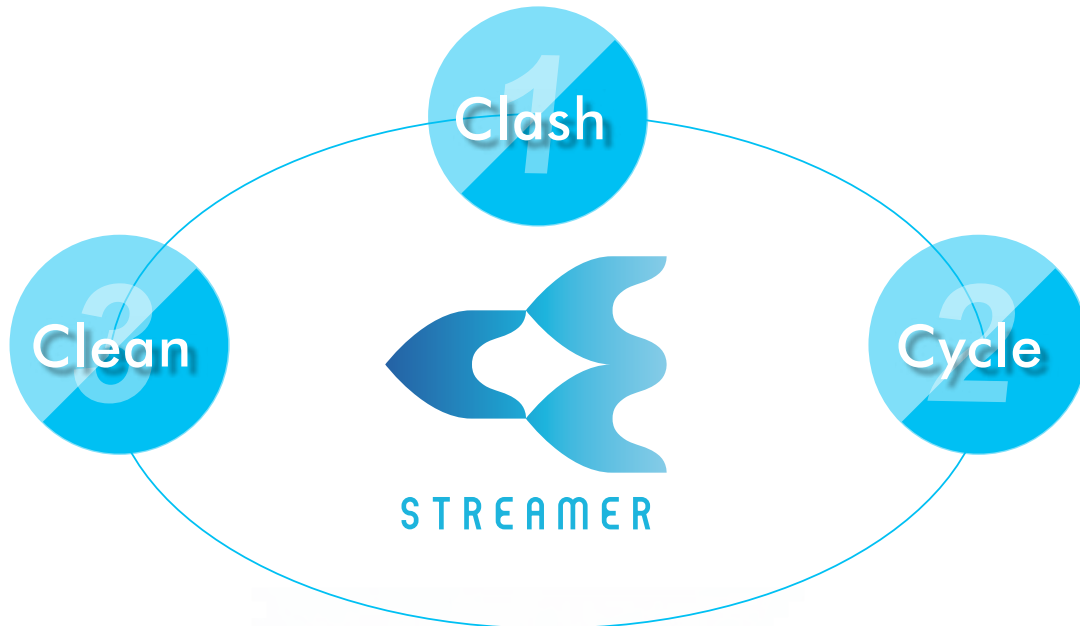
**PATENTED  
STREAMER DISCHARGE  
TECHNOLOGY**

Note:

\*<sup>1</sup> Comparison of oxidation decomposition.  
This does not mean temperature will become high.



## The Streamer symbol consists of three C's



### Unique vertical structure



#### Deodorising filter

Absorbs odour

No need to replace

#### Pre-filter

Catches large particles of dust

No need to change



#### Active plasma ion generation unit

(MC55 models only.)

No maintenance or exchange needed

#### Electrostatic HEPA filter

Catches fine particles of dust

Removes 99.97% of fine particles of 0.3µm

#### Streamer unit

No maintenance or exchange needed

It may become necessary to change out items that usually do not require replacing due to environmental and operational conditions.

#### About the dust collection and deodorising capacity of air purifiers:

- Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.
- Not all odour components that emanate continuously (building material odours and pet odours, etc.) can be removed.

This product is not a medical device, medical treatment device or a therapeutic good.

This product is not intended to have any therapeutic use or to be used for the diagnosis, treatment, relief or prevention of illness.

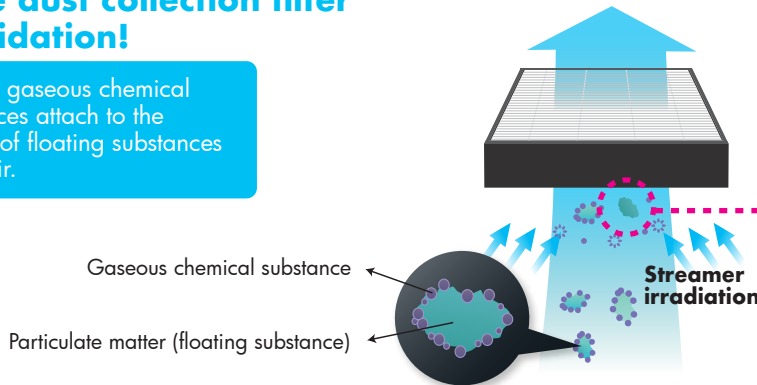
If you have a health concern or are not feeling well, please consult a health care professional.



# 1 Clash

Decomposes harmful substances on the dust collection filter by oxidation!

Harmful gaseous chemical substances attach to the surface of floating substances in the air.



The dust collection filter catches the floating substances with the attached harmful gases and Streamer decomposes the harmful gases by oxidation.\*<sup>1</sup>

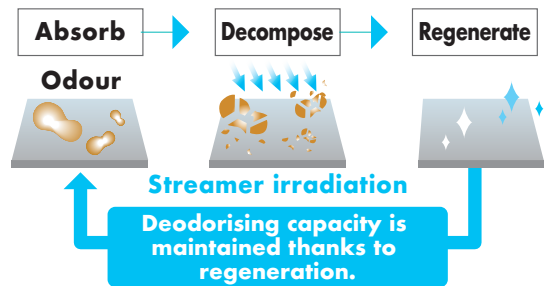
# 2 Cycle

The deodorising filter absorbs and decomposes odour.

The deodorising capacity is maintained because the adsorbing capacity regenerates.

(Comparison with conventional Daikin products. Evaluation under conditions set by Daikin).\*<sup>2</sup>

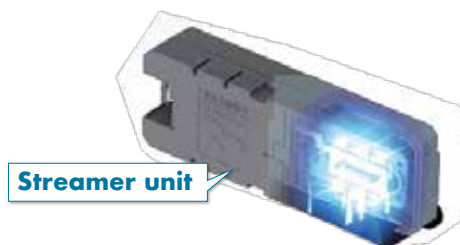
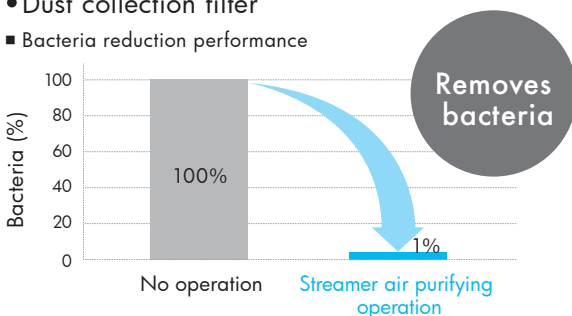
No need to change deodorising filters



# 3 Clean

Removes bacteria from dust collection filter.

- Dust collection filter
- Bacteria reduction performance



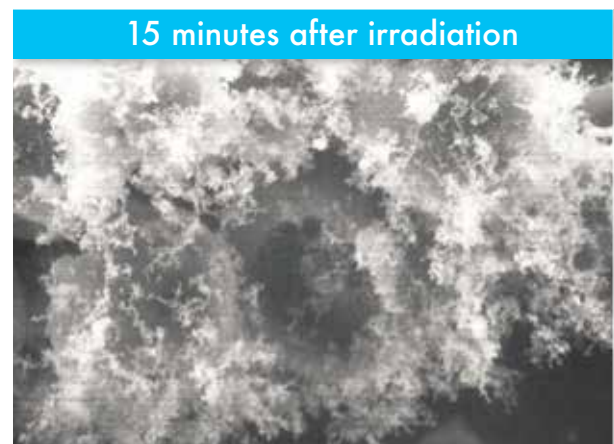
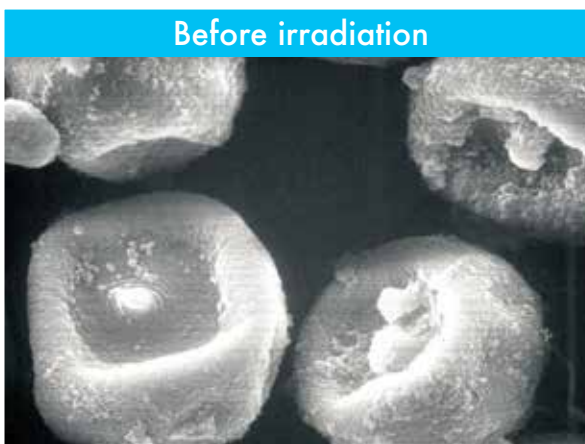
This description relates to the Streamer Technology devised by Daikin, but not to this Air Purifier. Test results from use of the Streamer Technology are generated according to prescribed test methods conducted by Daikin. Although the Streamer Technology is contained within this Air Purifier, this does not mean that precisely the same results will be experienced using this Air Purifier. Actual results may differ depending on the conditions of product installation and use of the actual product, etc.

This product can be used to improve the quality of the air by removing airborne hazardous chemical substances, allergens, mould, bacteria, and viruses, etc. However, this product is not intended for the creation of sterile environments or for the prevention pathogen infections.

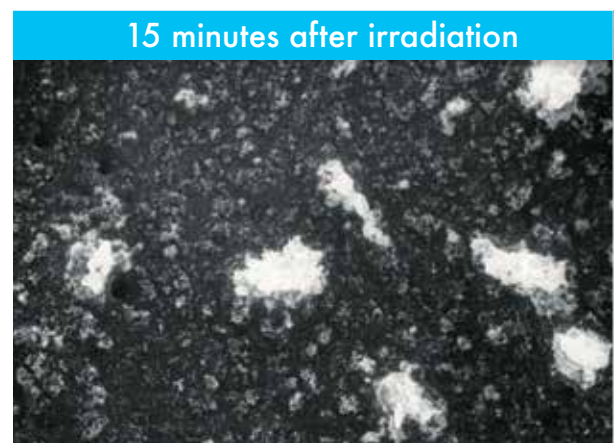
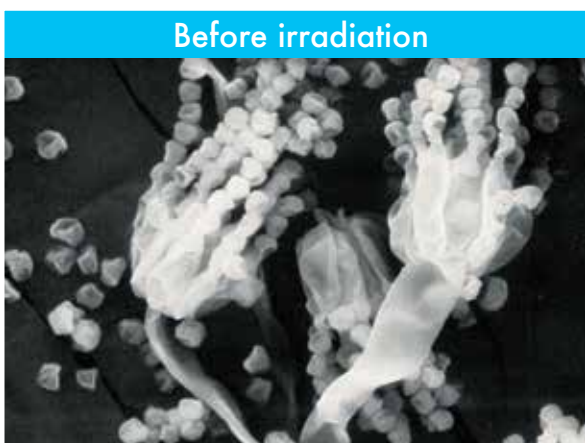


■ Streamer decomposes and eliminates allergens such as pollen, mould, and mites (droppings and dead mites) \*2 \*3

Works on objects caught by the filter.



Proved with 13 pollen based allergens including cedar pollen and cypress pollen



Proved with 6 fungal allergens including Alternaria and Eurotium

These are effects in a Streamer test space and not verification results in an actual operation space.



**PATENTED  
STREAMER DISCHARGE  
TECHNOLOGY**

Pollen, mould, and mites (dead mites) were placed on the electrode of the Streamer Discharge unit and then photographed through an electron microscope after being irradiated with Streamer Discharge for 15 minutes.  
<Joint research with Wakayama Medical University>

**Decompose and  
eliminate pollen**

Eliminated more than  
**99.6%\*<sup>2</sup> in 2 hours!**

**Decompose and  
eliminate mould**

Eliminated more than  
**99.9%\*<sup>3</sup> in 24 hours!**

**Decompose and eliminate  
allergens such as mite  
droppings and dead mites**

Eliminated more than  
**99.61%\*<sup>2</sup> in 24 hours!**

Note:

\*<sup>2</sup> Testing organization: Wakayama Medical University.

Test conditions: Irradiated allergens with Streamer and checked decomposition of allergen proteins by either the ELISA method, electrophoresis or electron microscopy.

Test result: 99.6% eliminated. (Works on objects caught by the filter)

\*<sup>3</sup> Measuring method: antibacterial test/mould elimination test

Testing organization: Japan Food Research Laboratories.

Test number: 204041635-001.

Test result: 99.9% eliminated. (Works on objects caught by the filter)

This product can be used to improve the quality of the air by removing airborne hazardous chemical substances, allergens, mould, bacteria, and viruses, etc. However, this product is not intended for the creation of sterile environments or for the prevention pathogen infections.

This description relates to the Streamer Technology devised by Daikin, but not to this Air Purifier. Test results from use of the Streamer Technology are generated according to prescribed test methods conducted by Daikin. Although the Streamer Technology is contained within this Air Purifier, this does not mean that precisely the same results will be experienced using this Air Purifier. Actual results may differ depending on the conditions of product installation and use of the actual product, etc.





■ A clean technology that's recognised by public institutions\* in Japan and abroad.

\* Following experiments were practised by third parties based on Daikin industries, Ltd's request.

Target of experiment		★ Public institutions (Testing organization)	Test method
Virus		National Institute of Hygiene and Epidemiology (Vietnam)	CPE and TCID50
		Kitasato Research Center of Environmental Sciences	CPE and TCID50
		Kobe University Graduate School	ELISA method
		Yamagata University	Scanning electron microscope
Bacteria		Japan Food Research Laboratories	PCR method
		The Jikei University	CFU
Mould		Japan Food Research Laboratories	Pour plate culture method
Allergens	Pollen based allergens	Wakayama Medical University	ELISA method
	Allergens from animate beings		
	Fungal allergens		
	Flour		
Hazardous chemical substances	Adjuvant (DEP)	Yamagata University	ELISA method
	Adjuvant (VOC)	Tohoku Bunka Gakuen University	Damping technique
	Adjuvant inhibiting effect	Wakayama Medical University, National institute for Environmental Studies	ELISA method
	Formaldehyde	Tohoku Bunka Gakuen University	Constant generation method

**Viruses and bacteria that have been proven to be deactivated by Streamer Technology**

- Influenza virus (type A, H1N1) • Highly virulent avian influenza virus (type A, H5N1) • Bacillus coli, O-157
- Staphylococcus aureus • Tuberculosis bacteria • Norovirus • Pseudomonas aeruginosa • Toxins (enterotoxins)

**Allergens that have been proven to be decomposed by Streamer Technology**

- Fungal allergens: sooty moulds, aspergillus, eurotium, aspergillus niger, fusarium, penicillium
- Pollen based allergens: cedar pollen, alder pollen, birch pollen, Japanese cypress pollen, pencil cedar pollen, bald cypress pollen, mugwort pollen, orchard grass pollen, ragweed pollen, sweet vernal grass pollen, timothy grass pollen, fleawort pollen, Japanese beech
- Allergens from animate beings: house dust mite [dermatophagoides pteronyssinus] (droppings and dead mites), house dust mite [dermatophagoides farinae] (droppings and dead mites), American cockroach (droppings), German cockroach (droppings), flea (droppings), dog epidermis (dander), cat epidermis (dander), hamster epidermis (dander)
- Other: wheat flour

**Hazardous chemical substances that have been proven to be removed by Streamer Technology**

- Formaldehyde\*<sup>4</sup> • Diesel exhaust particulates (DEP)
- Hazardous chemical substances in exhaust gas: NO<sub>x</sub>, tetrachlorethylene, benzene, trichloroethylene, dichloroethane, dichloromethane, chloroform
- VOC type hazardous chemical substances: iso-butanol, hexane, styrene, nonanoic acid, trimethyl benzene, xylene, naphthalene, ethyl benzene, toluene, ethyl acetate

Note:

\*<sup>4</sup> Test method: constant generation method

Test room: 22 to 24 m<sup>3</sup>

Temperature: 23 ±3°C

Humidity: 50 ±20%

Ventilation condition: When concentration of 0.2 ppm is continually emanated, a removal capacity of 0.08 ppm is maintained at 36 m<sup>3</sup>/h, which is within the guideline of the Ministry of Health, Labour and Welfare (Japan). (This equates to the ventilation capacity of an approximately 65 m<sup>3</sup> room.)

**About the dust collection and deodorising capacity of air purifiers:**

- Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.
- Not all odour components that emanate continuously (building material odours and pet odours, etc.) can be removed.

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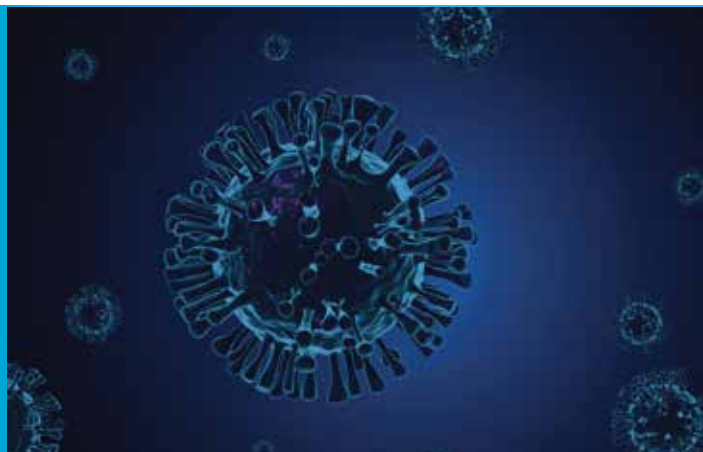
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# EXPERIMENTAL RESULTS OF DAIKIN STREAMER TECHNOLOGY

Demonstration of the inactivating effects against the novel Coronavirus (SARS-CoV-2) by Streamer Technology.

**99.9% inactivation after 3 hours**

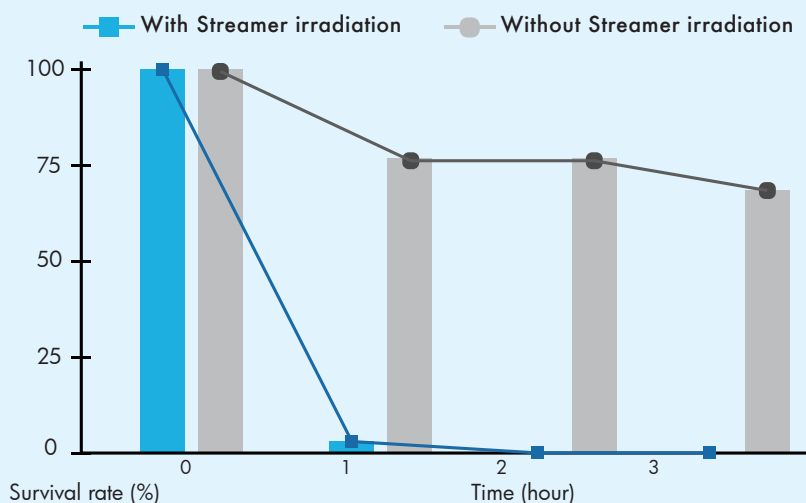


## Experimental result

Daikin in collaboration with a group of research professors from the Department of Microbiology in the Faculty of Veterinary Medicine from the Okayama University of Science, led by Professor Shigeru Morikawa, has demonstrated that the Streamer technology has inactivating effects against the novel Coronavirus (SARS-CoV-2).

This result was obtained by using a Streamer discharge device for testing in lab conditions.

The effect of products equipped with Streamer technology or results in actual use environments may differ.



Source: "Study report on the inactivation effect of plasma ion generator (Daikin Streamer) on SARS-CoV-2" written by Shigeru Morikawa, Department of Veterinary Medicine, Microbiology Course, Okayama University of Science.

As a result of the test, SARS-CoV-2 was inactivated by 93.7% after 1 hour of Streamer irradiation. After 2 hours, it was inactivated by more than 99.8%, reaching more than 99.9% after 3 hours of Streamer irradiation.

Streamer irradiation time	1 hour	2 hours	3 hours
Novel Coronavirus (SARS-CoV-2) inactivation rate	93.6%	99.7%	99.9%

\* This result was obtained by using a Streamer discharge device for testing in lab conditions. The effect of products equipped with Streamer technology or results in actual use environments may differ.

## Testing organization

Professor Shigeru Morikawa's led research group at the Department of Microbiology in the Faculty of Veterinary Medicine from the Okayama University of Science

## Test method

Two acrylic boxes of about 31L were mounted inside a safety cabinet. One box was equipped with a Streamer discharge device and the other box was not. A see-saw rocking motion shaker was placed in each box, and a six-well plate was placed on top of the motion shaker. Virus solution measuring 0.5 ml was put into each well of the plates, and Streamer irradiation was performed while agitating the solution using the motion shaker (approximately 12 times per minute). Virus solution was collected from two wells every hour for three hours, and viral load was measured. The viral load of SARS-CoV-2 was quantified by the TCID50 method using Vero E6 / TMPRSS2 cells.

\*(This result was obtained by discharge device for testing in lab conditions. The effect of products equipped with Streamer technology or results in actual use environments may differ.)



The plasma ion technology uses plasma discharge to release ions into the air, which combine with components of the air to form active species with strong oxidizing power like OH radical. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

Daikin's plasma ions have been proved to be safe. Safety concerning effect on skin, eyes, and respiratory organs

Testing organization: Life Science Laboratories, Ltd.

Name of test: repeated-dose toxicity test

Test number: 12-II A2-0401

**Concentration: 25,000 ions/cm<sup>3</sup> \*1**

Assumed mechanism of elimination

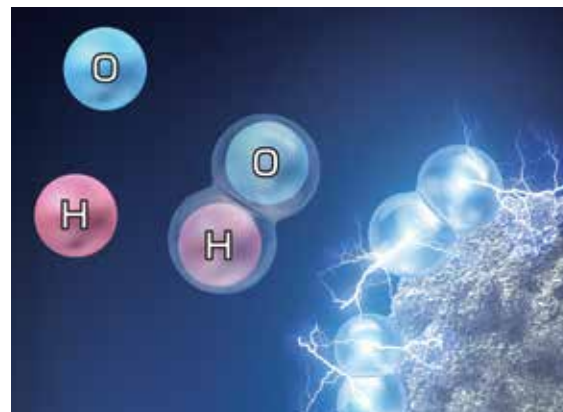
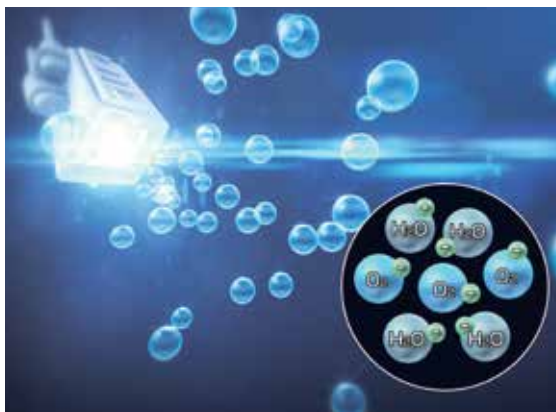


Image is for illustrative purposes

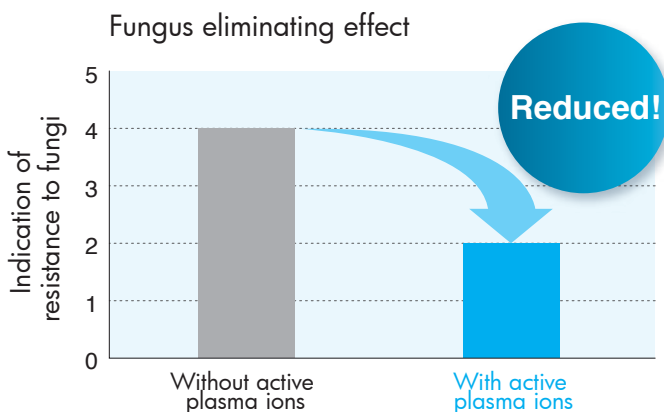
Note:

\*1 The number of ions per 1cm<sup>3</sup> of air blown into the atmosphere measured near the air outlet during operation with maximum airflow.

Test conditions: temperature 25°C, humidity 50%

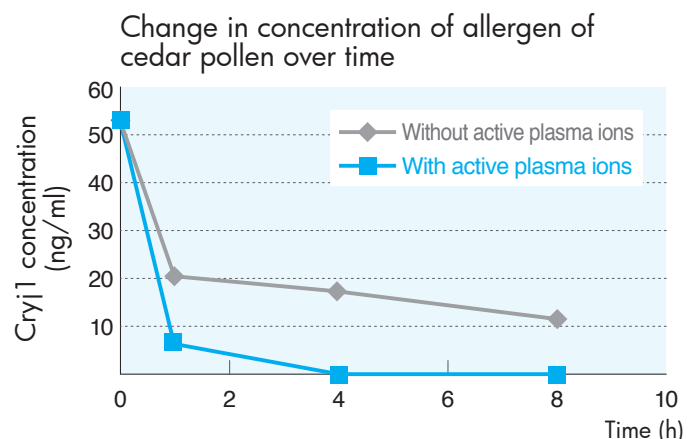
## TEST RESULTS OF ACTIVE PLASMA ION DEVICE

### Reduction of attached fungi



Test name: test of resistance to fungi.  
 Testing organization: Japan Spinners Inspecting Foundation.  
 Test number: 019190-1.  
 Test result: After cultivation in a 9L container according to Japanese Industrial Standard JISZ2911, generation of fungi was reduced to less than half.

### Reduction of allergens

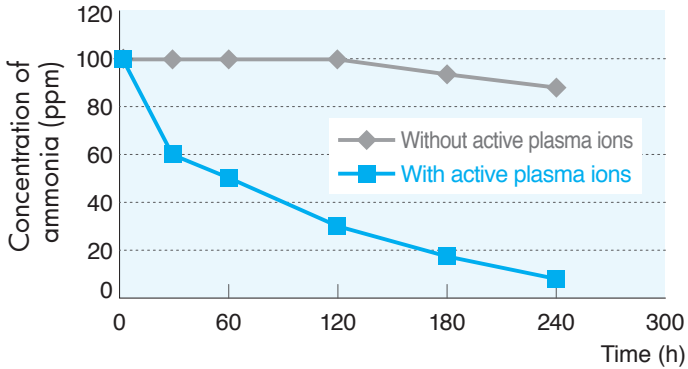


Test name: Test of reduction of allergen of cedar pollen.  
 Testing organization: ITEA/Institute of Tokyo Environmental Allergy.  
 Test number: 11MRPTMAY031.  
 Test result: Allergen of cedar pollen in a 45L container was reduced by more than 95.5% in about 8 hours.

These are effects in an active plasma ion test space and not verification results in an actual operation space.

## Deodorisation

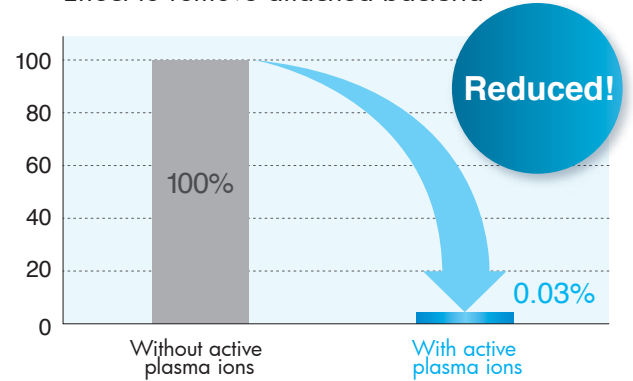
Deodorisation of ammonia



Test name: Deodorisation test.  
 Testing organization: Japan Spinners' Inspecting Foundation.  
 Test number: 200097-1.  
 Test result: In a 5L container, ammonia was reduced by 92.3% in about 240 minutes.

## Reduction of attached bacteria

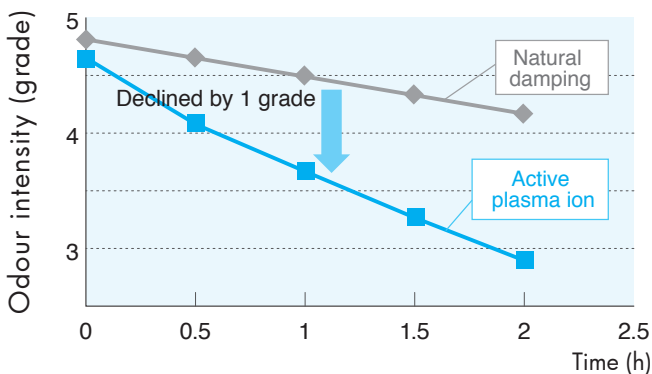
Effect to remove attached bacteria



Test name: antibacterial test.  
 Testing organization: Japan Spinners' Inspecting Foundation.  
 Test number: 028669.  
 Test result: In a 9L container, reduced by more than 99.97% in 24 hours

## Removal of attached odour

Effect to remove attached odour



Test method: In a test chamber of a size of about 6 tatami mats, evaluated deodorising effect on a piece of cloth to which tobacco odour components were attached by 6-grade odour intensity indication method.

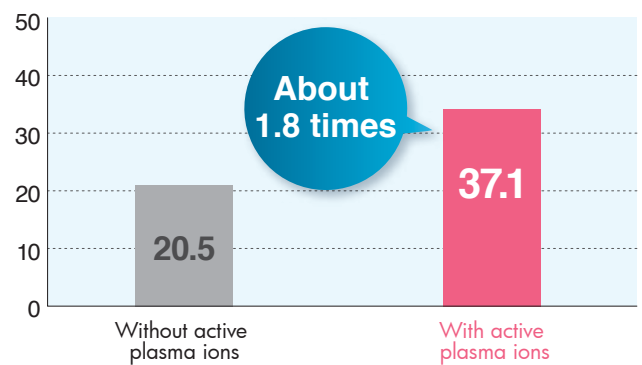
Test result: Odour intensity declined by 1 grade in about 1 hour (tested by Daikin).\*

A one-grade decline of odour intensity means a 90% reduction of odour.

\*The deodorisation effect varies depending on the ambient environment (temperature and humidity), operation time, odour, and the type of fiber.

## Increase of skin moisture

Change in skin moisture (difference in integrated skin moisture of 120 minutes)



Organization: Soiken (Comprehensive Medical Science Laboratory).  
 Number: MII-2010-10.

Method: Measured skin moisture of 8 healthy women prone to skin dryness in a room of about 6 tatami mats under conditions with and without active plasma ions.

Result: Skin moisture increased by about 1.8 times in about 120 minutes.

\*Actual effect will vary depending on room conditions and method of use.

## Outside

### Active plasma ion flow out

\*MC55 models only.

The plasma ion technology uses plasma discharge to release ions into the air, which combine with components of the air to form active species with strong oxidizing power like OH radical. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

Daikin's plasma ions have been proved safe. Safety concerning effect on skin, eyes, and respiratory organs  
 Testing organization: Life Science Laboratories, Ltd.  
 Name of test: repeated-dose toxicity test  
 Test number: 12-II A2-0401

#### ■ Mechanism of reduction by active plasma ions

**Concentration: 25,000 ions/cm<sup>3</sup> \*1**

Note:

\*1 The number of ions per 1 cm<sup>3</sup> of air blown into the atmosphere measured near the air outlet during operation with maximum airflow.  
 Test conditions: temperature 25°C, humidity 50%.

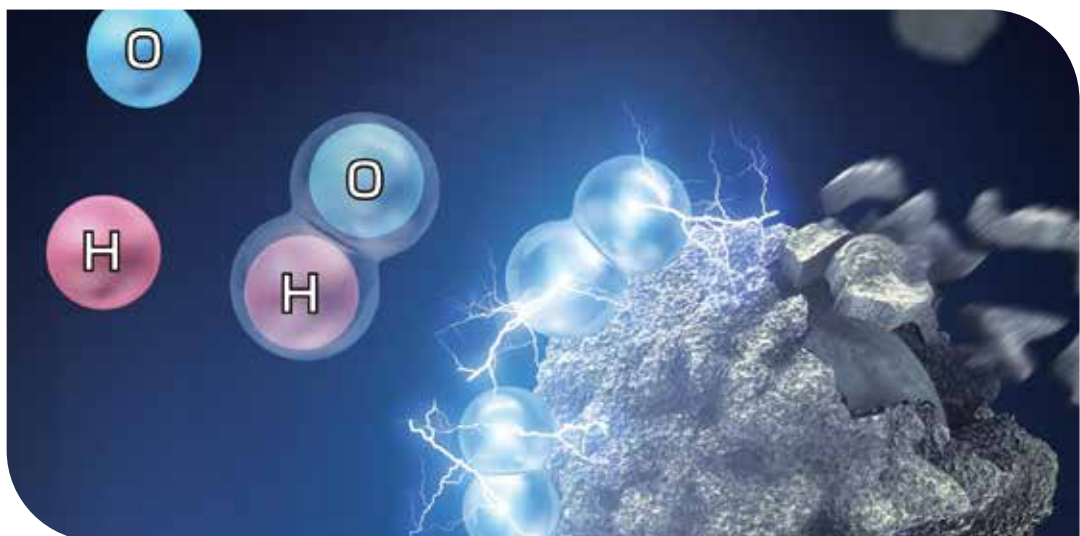
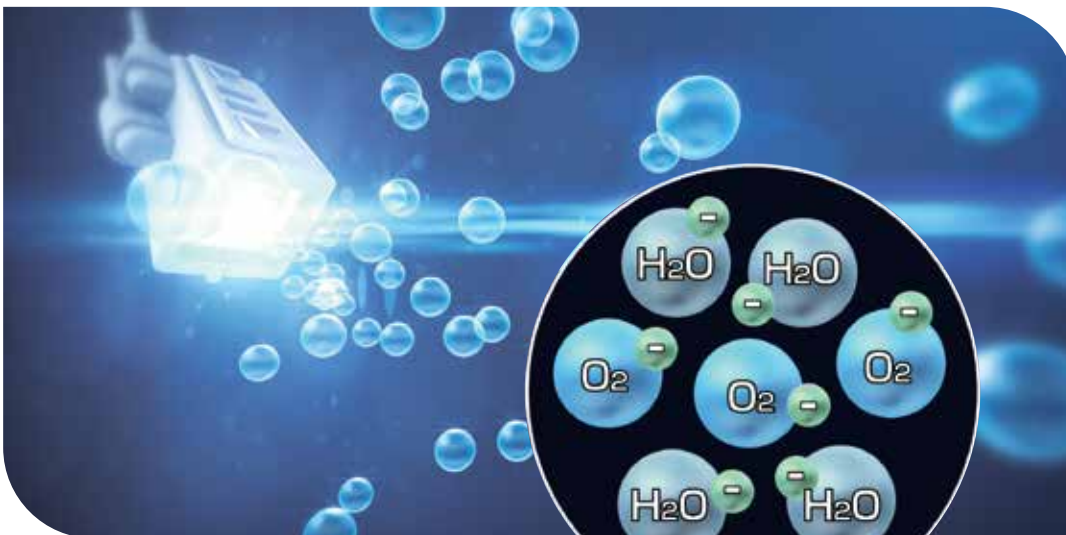


Image is for illustrative purposes





## Inside

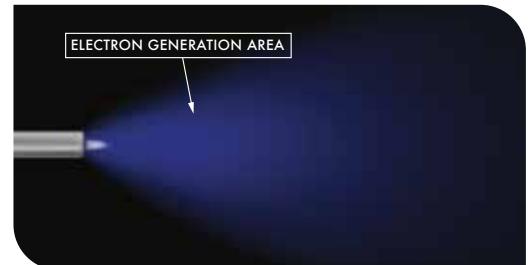
# Streamer decomposes by suction

Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.\*<sup>2</sup>

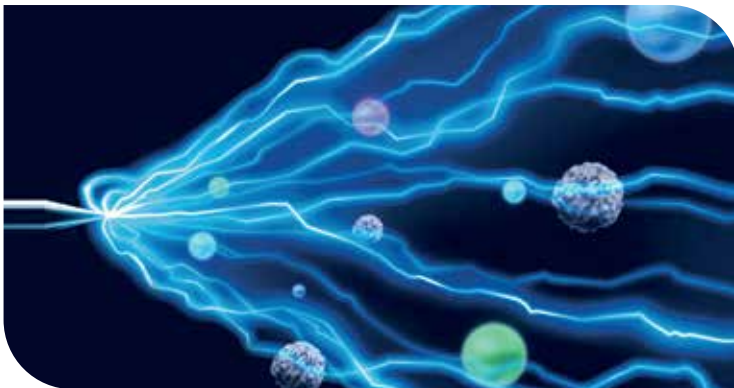
Note:

\*<sup>2</sup> Comparison of oxidation decomposition.

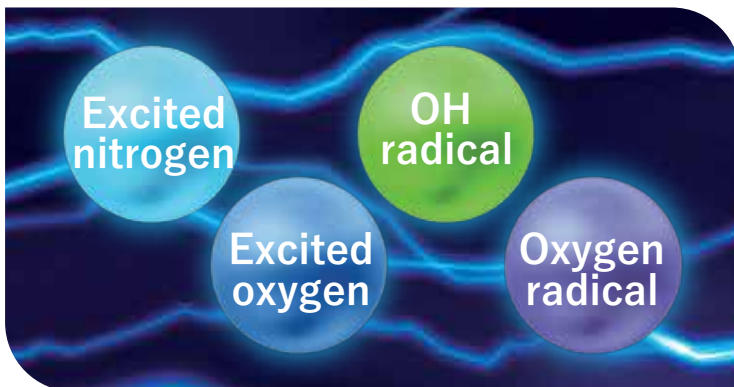
This does not mean temperature will become high.



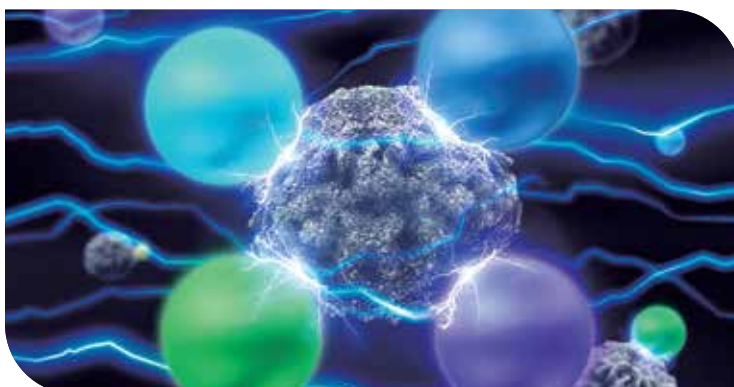
### ■ Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of decomposing elements with decomposition power.



The decomposing elements provide decomposition power.



## Features high-performance filter to catch fine particles of dust

**Removes 99.97% of fine particles of 0.3µm \* 1**



Note:

\*1This is removal performance of filter and not removal performance for entire room.

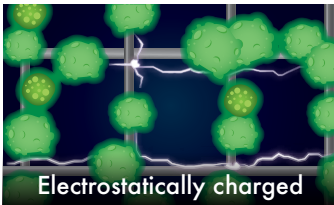
The filter collects dust efficiently with electrostatic forces. It is not prone to clogging compared with unelectrified HEPA filters which collect particles only by the fineness of the mesh.

Therefore, a larger amount of air can pass through the filter.

The filter can purify a larger amount of air!

## Comparison between Electrostatic HEPA Filter and Non-electrostatic Filter

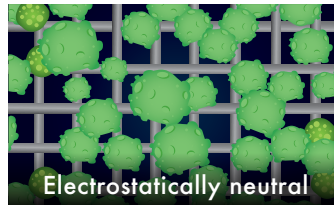
### Electrostatic HEPA Filter



Electrostatically charged

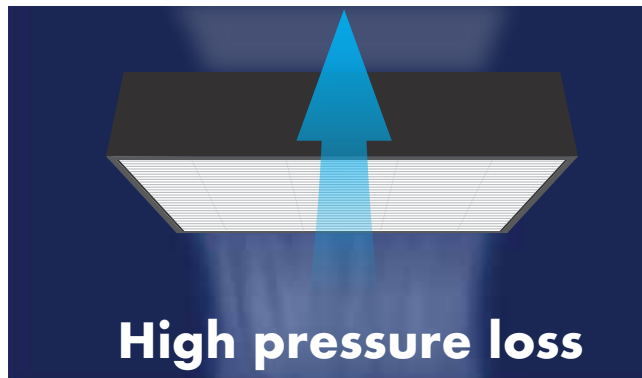
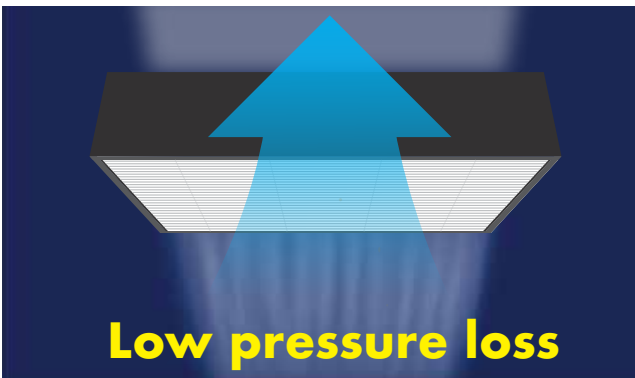
Filter fiber itself is charged with static electricity, and collects particles efficiently. Doesn't clog easily because of low pressure loss.

### Non-Electrostatic Filter



Electrostatically neutral

Because it catches particles relying only on mesh size, it is necessary to make mesh finer, making it easy to be clogged.



About the dust collection and deodorising capacity of air purifiers:

Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.

Not all odour components that emanate continuously (building material odours and pet odours, etc.) can be removed.

This product is not a medical device, medical treatment device or a therapeutic good.

This product is not intended to have any therapeutic use or to be used for the diagnosis, treatment, relief or prevention of illness.

If you have a health concern or are not feeling well, please consult a health care professional.

# THREE STEPS TO DECOMPOSE HARMFUL SUBSTANCES

## 1 Powerful suction

Takes in dust over a wide area from 3 directions.



## 2 Effective capture of pollutants

Catches dust and pollutants effectively with an electrostatic HEPA filter.



## 3 Decomposition

























Uses Daikin's Streamer technology to decompose harmful substances caught on the filter by oxidation. \*1








Note:

\*1 (Reduction of gases) Testing organization: Life Science Research Laboratory.  
Test method: After operating a gasoline engine for 10 minutes (when particulate concentration reached 60mg/m<sup>3</sup>), operated the air purifier for 80 minutes to absorb polluting dust emitted from the engine.  
Operated this air purifier for 24 hours in a closed space of 200L and measured the effect to decompose gases.  
Test result: Compared with a test without Streamer irradiation, gas components were reduced by 63% in 9 hours.  
Test number: LSRL-83023-702.  
Test unit: Tested with MCK70N (Japanese model).

# POLLUTANTS THAT CAN BE COLLECTED AND DEODORISED BY FILTER

 House dust	 Pollen (cedar, etc.)	 Yellow dust	 PM2.5
 City exhaust gas (trichloroethylene, etc.)	 NOx	 VOC-type chemical substances	 Moulds
 Dog epidermis (dander)	 Cat epidermis (dander)	 Hamster epidermis (dander)	 Pet hair
 Ammonia	 Garbage odour	 Cooking odour	 Cigarette smoke odour
 Indoor air pollutants (formaldehyde, etc.)	 Diesel exhaust particulates (DEP)	 Cockroaches (droppings)	 House dust mites (droppings and dead mites)
 Wheat flour	 Body odour	 Pet odour	 Mould odour

# POLLUTANTS THAT CAN BE REDUCED

 Floating viruses	 Floating mould	 Attached viruses	 Attached bacteria
 Attached odour			

# NEW STYLISH AND COMPACT DESIGN



New concept for an air purifier in a slim tower design.

**Model debut in a compact and stylish design!**

Streamer Air Purifier  
55 type



With wireless  
remote controller

MC55XVM6

Double method

## MC55XVM6

Dust collection | Deodorisation

Capacity in turbo operation mode

### Air purification

Air purification only

Airflow **5.5** m<sup>3</sup>/min.

Applicable room area  
~41m<sup>2</sup> \*1

Approximate room cleaning time  
13.2m<sup>2</sup>/11min.



New concept for an air purifier in a slim tower design.

**Model debut in a compact and stylish design!**

Streamer Air Purifier  
40 type



MC40XVM6

**MC40XVM6**

Dust collection    Deodorisation

Capacity in turbo operation mode

**Air purification**

Air purification only

Airflow **4.0** m<sup>3</sup>/min.

Applicable room area  
~31m<sup>2</sup> \*1

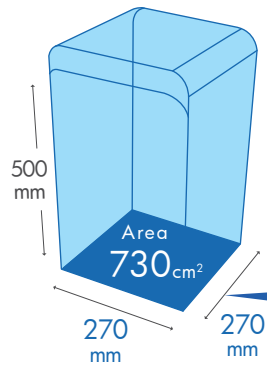
Approximate room cleaning time  
13.2m<sup>2</sup>/15min.

Note:

\*1 Calculated by test method based on Japan Electrical Manufacturers' Association Standard JEM1467. Operation during turbo mode has been approximated.

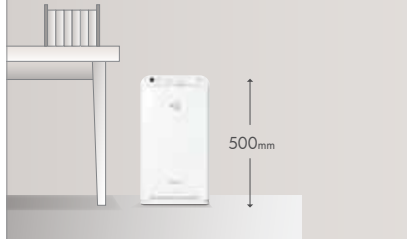
\*2 Humidifying capacity by JEM1426 (electric humidifier) with turbo operation at temperature of 20°C and humidity of 30%.

## Flexible choice of where to place the unit



MC55 / 40 models

Fits in neatly because the unit is 700 mm high, roughly the height of common desks.

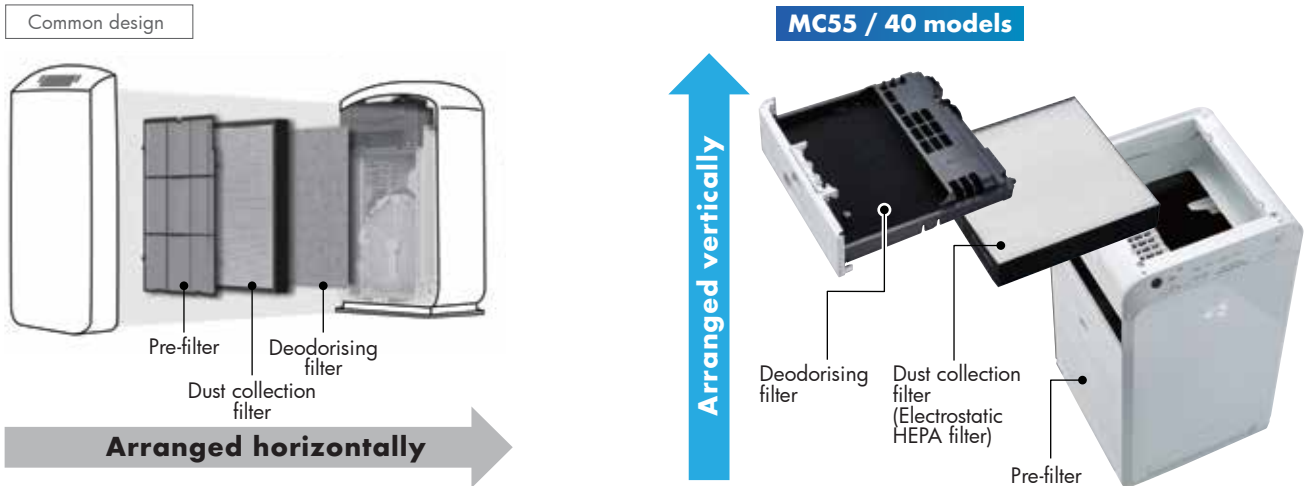


**Only 27 cm  
width & depth**



# POWERFUL SUCTION AND REDUCED OPERATION SOUND

## Compact, effective and quiet thanks to the new, innovative structure



## Powerful suction in 3 directions

Effectively takes in dust over a wide area



## Operation sound sensed by people is reduced

(Comparison with conventional Daikin products. In turbo operation)

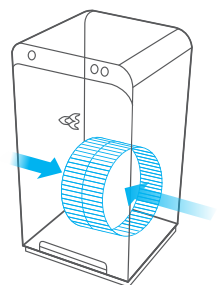
### The key is the sound of airflow from the air outlet

Daikin succeeded in reducing the operation sound sensed by people by adopting a wide air outlet and positioning the fan below the filters for soundproofing effect.



### The fan is positioned below

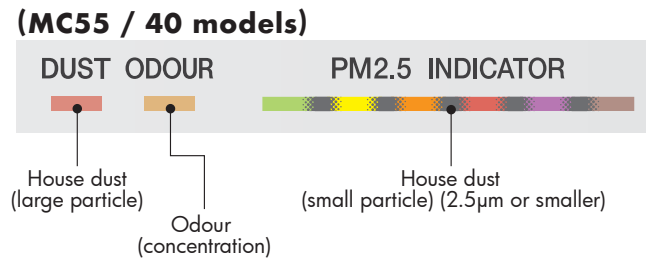
Positioned farthest from people's ears. The filters also provide a soundproofing effect, so the operation sound is not disturbing.





## “Triple detection” sensor to quickly detect PM2.5

Equipped with a high sensitivity dust sensor that distinguishes small particles such as PM2.5 and larger particles of dust and reacts accordingly. Along with the odour sensor, “triple detection” of dust, PM2.5 and odour is provided.



## Choose from the various operation modes

Equipped with a high sensitivity dust sensor that distinguishes small particles such as PM2.5 and larger particles of dust and reacts accordingly. Along with the odour sensor, “triple detection” of dust, PM2.5 and odour is provided.

- **Auto Fan mode**
- **Econo mode**  
for energy saving
- **Anti-pollen mode**

**(MC55 / 40 models)**

MODE ■ AUTO ■ ECONO ■ POLLEN

## Other useful features

### Filter cleaning without opening the panel

Just vacuum with a cleaner. No need to open the panel to clean the filter.



### Equipped with a remote controller

Convenient for operation from a distant position.





MC55 model

# INSTALLATION IMAGE

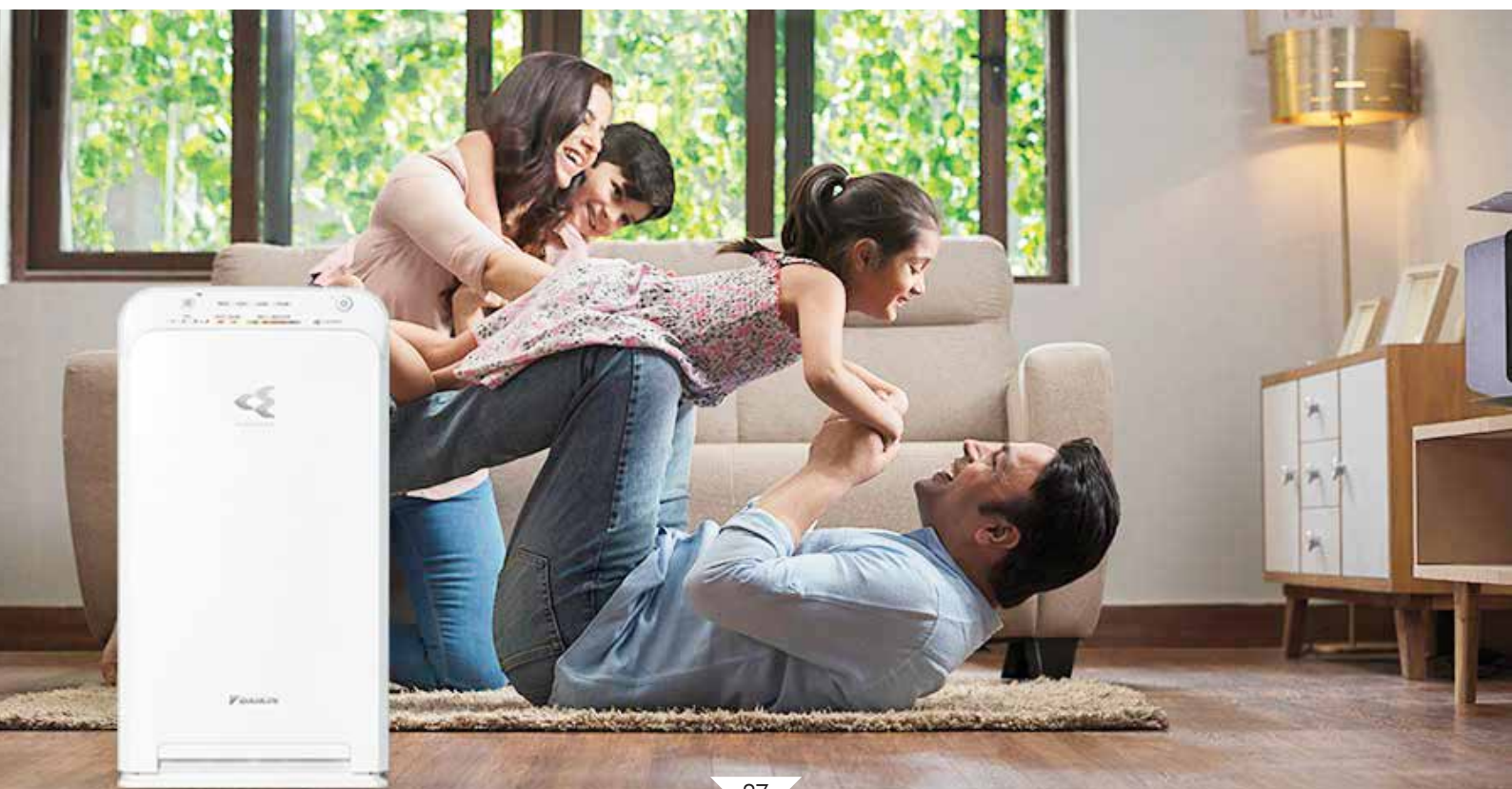


# SPECIFICATIONS

MODEL			MC55XVM6 Streamer Air Purifier 55 type				MC40XVM6 Streamer Air Purifier 40 type			
			 <b>Double method</b> Dust collection Deodorisation				 Dust collection Deodorisation			
Colour			White							
Mode			Air purifying operation							
Applicable room area*1	Air purification	m <sup>2</sup>	41 (13.2m <sup>2</sup> purified in approx. 11 min.)				31 (13.2m <sup>2</sup> purified in approx. 15 min.)			
Power supply			1 Phase, 220–240/220–230V, 50/60Hz							
Plug shape			C type							
Mode			Quiet	Low	Standard	Turbo	Quiet	Low	Standard	Turbo
Airflow rate		m <sup>3</sup> /min.	1.1	2.0	3.2	5.5	1.1	1.8	2.8	4.0
Power consumption		W	8	10	15	37	7	9	13	23
Sound pressure level		dB	19	29	39	53	19	27	36	49
Dimensions			H500 × W270 × D270							
Weight			6.8							
Dust collection filter			Electrostatic HEPA filter							
Optional accessories	Replacement filter	Dust collection	KAFP080B4E (1 sheet) (Purchase of new filters is needed after about 10 years)*3							

**Note:**

- \*1 Calculation based on testing method of the Japan Electrical Manufacturers Association standard JEM1467.
- \*2 Humidification amount changes in accordance with indoor and outdoor temperature and humidity.  
Measurement condition: 20°C in temperature, 30% in humidity.(JEM1426)
- \*3 Verified by test method based on Japan Electrical Manufacturers' Association Standard JEM1467.  
The standard assumes five or more cigarettes are smoked per day.  
Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.  
More frequent filter changing may be needed depending on operating conditions.



# FUNCTIONS



MC55XVM6



MC40XVM6

1	Dust (PM2.5/dust) and odour sensor lamps	●	●
2	Streamer discharge	●	●
3	Active plasma ion	●	—
4	Electrostatic HEPA filter	●	●
5	Deodorising filter	●	●
6	Econo mode	●	●
7	Auto fan mode	●	●
8	Anti-pollen mode	●	●
9	Turbo mode	●	●
10	Child proof lock	●	—
11	Brightness adjustment	●	●
12	Auto-restart after power failure	●	●
13	Stabilizer free	●	●





## Dust (PM2.5/dust) and odour sensor lamps

“Triple detection” is performed by a dust sensor (which distinguishes small particles, such as PM2.5 and larger particles of dust, and reacts accordingly) and an odour sensor.



## Dust (PM2.5/dust) sensor lamps

A dust sensor detects house dust and PM2.5 ultrafine particles approx. 2.5µm and smaller, and the lamps indicate air quality.



## Dust and odour sensor lamps

Dust and odours are detected and shown in 3 easy-to-understand colours to indicate the level.



## Streamer Discharge

This function quickly decomposes odours and allergens, etc., with high speed electrons that have a powerful ability to oxidize.



## Active plasma ion

The active plasma ion technology decomposes odours and allergens in the air by plasma ions with strong oxidizing power.



## Electrostatic HEPA filter

There is a high-performance filter that catches 99.97% of 0.3µm fine particles.



## Auto-Restart after Power Failure

The air purifier memorises the settings for mode, airflow, etc., and automatically returns to them when power is restored after a power failure.



## Stabilizer free

Stabilizer free operation protects the vital components of machine from power fluctuations. With this function installing stabilizer becomes needless (voltage range protection: 180~264V). If power fluctuation is beyond the limit mentioned then a stabilizer is required.



## Sleep mode

Operation automatically switches only between “Quiet” and “Low” modes in accordance with how polluted the air is. This is recommended for times such as when sleeping.



## Auto fan mode

The air purifier is run, without wasteful operation, only in accordance with the level of pollutants in the air, which is detected by the sensor.



## Child proof lock

This can be used to prevent small children from mishandling the air purifier.



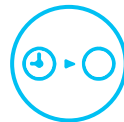
## Econo mode

Operation automatically switches only between “Quiet” and “Low” modes in accordance with the degree of polluted air.



## Anti-Pollen Mode

Switching between “standard” and “low” modes to create a gentle turbulence, pollen is caught before it lands on the floor.



## Off timer

Operation stop time can be set.



## Brightness adjustment

The brightness of the indicator panel lamp can be adjusted.



## Deodorising filter

Odours are caught on the deodorising filter. Models excluding MC30 model utilize streamer to decompose these odours and adjuvants on the filter.

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