The air you breathe at home is more harmful than you think.
Breathe fresh air with Daikin Air Purifier.
The Current Quality of Air

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

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

Indian cities witness hazardous levels of harmful suspended particles in the air known as particulate matter (PM) and fine particulate matter (PM2.5).

PM2.5, which cannot get deep into a person’s lung but can also enter the bloodstream, has reached extremely dangerous levels.

Air pollution leads to chronic bronchitis, allergies, persistent cough and irritation of the eyes.

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

Hence, indoor air can be up to 5 times more contaminated than the outdoor air.

Health dangers

Effects of being exposed to indoor pollutant

Short Term Effects

- Blocked nose and eye irritation
- Chest congestion
- Hypersensitivity and allergies
- Rhinitis
- Bronchitis

Long Term Effects

- Long term effects have a much longer impact lasting for years or an entire lifetime
- Heart disease
- Respiratory disease
- Damage to nerves, brain, kidneys and liver

Breathe healthy. Live healthy.

The air inside your home only looks clean. But the truth is that it is buzzing with many deadly viruses, bacteria, allergens and other harmful pollutants that are invisible to the naked eye. Inhaling the polluted air can lead to various health problems like chest congestion, rhinitis, blocked nose and eye irritation, to name a few. Hence, maintaining clean air within your living space is very important.

Dalxin Air Purifier destroys many such pollutants with its Flash Streamer Technology, and creates a healthier and fresher airflow.

Expecting women, young children and older adults have a weaker immune system, hence they are more susceptible to conditions such as asthma, heart disease and lung disease.
Advantages of an air purifier

Why choose an air purifier over an air conditioner with filter?

**Power consumption:**
It consumes very less power and delivers fresh air. Daikin air purifier consumes only 0.6W of power.

**Placement:**
Kept on the floor, the air purifier adsorbs dust and pollutants settled near the floor. Daikin air purifier has powerful suction.

**Filtration process:**
It comes with multi-stage filtration levels, which can take care of minute particles in the air. Daikin air purifier has 6-stage filtration process for better air cleaning.

**Portability:**
You can easily move it and place it conveniently in your house. Daikin air purifier weighs only 8.5kg.

Daikin Streamer Discharge Technology

What is the Daikin Streamer Discharge Technology?

"Streamer Discharge" is a type of plasma discharge in which high-speed electrons capable of oxidative decomposition are generated. It has the ability to eliminate bacteria and mould as well as hazardous chemical substances and allergens, etc. Compared to standard plasma discharge (spw discharge), the discharge range of Daikin’s Streamer Discharge is wider, which makes electrons easier to collide with oxygen and nitrogen in the air. This enables high-speed electrons to be generated three dimensionally over a wide area, which results in an oxidative decomposition speed that is over 1000 times greater with the same electrical power. Daikin’s Streamer Discharge technology has proven successful in stably generating high-speed electrons, a feat that has been considered difficult up to now.

MC70MVM6
3-WAY SUCTION | GREATER AIR FLOW
How the decomposition mechanism of Streamer Discharge Technology works

If it were thermal energy, the decomposition strength would be comparable to a heat of approximately 100,000°C*.

![Diagram]

Massive streamer discharge hits viruses.

The protein destroyed through oxidative decomposition gets fragmented and the streamer discharge reverts to active nitrogen atoms, oxygen atoms, and water molecules.

Steamer discharge hits viruses and decomposes the surface protein through oxidation.

Surface protein (HA and NA) destroyed by oxidative decomposition.

*Composition of oxidative decomposition, this does not mean temperature will become high.

Daikin Streamer Discharge Technology eliminates harmful substances

<table>
<thead>
<tr>
<th>Viruses and bacteria that have been proven to be deactivated</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Influenza virus (type A, H1N1)</td>
</tr>
<tr>
<td>• Staphylococcus aureus</td>
</tr>
<tr>
<td>• Highly virulent avian influenza virus (type A, H5N1)</td>
</tr>
<tr>
<td>• Pseudomonas aeruginosa</td>
</tr>
<tr>
<td>• Bacillus coli, O-157</td>
</tr>
<tr>
<td>• Tuberculosis bacteria</td>
</tr>
<tr>
<td>• Norovirus</td>
</tr>
<tr>
<td>• Toxins (enterotoxins)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Allergens that have been proven to be decomposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Fungal allergens: soya moulds, aspergillus, eurotium, aspergillus niger, fusaria, penicillium</td>
</tr>
<tr>
<td>• 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, foxtail pollen, Japanese beech</td>
</tr>
<tr>
<td>• Allergens from animal 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)</td>
</tr>
<tr>
<td>• Other: wheat flour</td>
</tr>
</tbody>
</table>

*Test method: constant generation method. Test room: 22 to 24 m², temperature: 23 ± 3°C, humidity: 60 ± 5%, ventilation condition: when concentration of 0.2 ppm is continually monitored, a removal capacity of 0.98 ppm is maintained at 0.6 m³/min, which is within the guideline of the Ministry of Health, Labour and Welfare (Japan). (This equates to the ventilation capacity of an approximately 65 m² room.)
Hazardous chemical substances that have been proven to be removed by Streamer Technology

- Formaldehyde
- Diesel exhaust particulates (DEP)
- Hazardous chemical substances in exhaust gas: NOx, tetrahydroethylene, benzene, trichloroethylene, dichloroethane, dichloromethane, chloroform
- VOC type hazardous chemical substances: iso-butanol, hexane, styrene, nonanal acid, trimethyl benzene, xylene, naphthalene, ethyl benzene, toluene, ethyl acetate

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 of pathogen infections.

This description relates to the Streamer Technology devised by Dakin, but not to this Air Purifier. Test results from use of the Streamer Technology are generated according to prescribed test methods conducted by Dakin. 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 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 healthcare professional.
Daikin’s air purifying technology decomposes and removes dust, odours, bacteria and other undesirable airborne components.

**1 Measurement method:**
- **Antibacterial test / bacterial removal test:** Testing organisation: Japan Food Research Laboratories; Test result certificate number 203120369-001; Result of experiment: 99.99% removal.
- **Mould removal test:** Testing organisation: Japan Food Research Laboratories; Test result certificate 204041630-001; Result of experiment: 99.9% removal.
- **Virus removal test:** Testing organisation: Kitasato Research Center for Environmental Science; Test result certificate 23_0026 (issued by same organisation); Result of experiment: 99.9% removal.
- These results will differ from actual location where product will be used.

**2 Conditions of experiment:** Allergens were irradiated by Steamer Discharge and the breakdown of protein in the allergens was verified using either the ELISA method, cataphoresis, or an electron microscope (Joint research with Wakayama medical University).

**3 Measurement method:** Virus removal test:
- Testing organisation: Kitasato Research Center for Environmental Science;
- Test result certificate: 23_0026 (issued by same organisation);
- Result of experiment: 99.9% removal.

**4 Test method:** Constant generation method;
- Test room: 22 to 24 m²;
- Temperature: 23 ± 3°C;
- Humidity: 50 ± 20%;
- Ventilation condition: When concentration of 0.2 ppm is continuously emanated, a removal capacity of 0.08 ppm is maintained at 38 m³/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 m² room).

Note: Removes 99% of particle sized from 0.1 to 2.5μm. 

With this air purifier, the removal of particle matter less than 0.1μm has not been confirmed. Moreover, it doesn't mean that harmful substances in the air cannot be removed completely. This is the effectiveness in the closed space of 32m², not at the space actually used.

#1 Tested by Daikin Industries Ltd.

Test method: Based on the JEM1467 standard of the Japan Electric Manufactures’ Association.

Decision Criteria: The time removing 99% of particle matter sized from 0.1 to 2.5μm in the closed space of 32m² should be within 90 minutes (This is the value convert into the test space of 35m²)
Removal of airborne mould spores

**Bacteria removal**

- **Room area:** Approx. 12 m² test method: Air purifier placed in premises. Air in premises is circulated while mould spores are dispersed. The quantity of airborne mould is measured after some time has elapsed.
- **Measurement method:** Air sampler method. Test report certificate 1057015008-01. Testing organization: Japan Food Research Laboratories. Test device: MC75L (Equivalent model for Japanese market)

Mould spores are thoroughly adsorbed by the Titanium Apatite Photocatalytic filter after being drawn in by the strong airflow. The photocatalyst and streamer deodorising catalyst with Streamer Discharge are then able to powerfully remove them.

**Mould spore removal ability**

- **MC75L (Japanese Model)**

![Graph showing mould spore removal ability](image)

**Guideline purification times** *(approx 46 m² floor space)*

- **8 m²**
  - Suction of room air takes about 2 minutes.
  - Purified in 6 minutes.
- **10 m²**
  - Suction of room air takes about 3 minutes.
  - Purified in 8 minutes.
- **13 m²**
  - Suction of room air takes about 4 minutes.
  - Purified in 10 minutes.
- **23 m²**
  - Suction of room air takes about 7 minutes.
  - Purified in 17 minutes.

*Note: (Results based on testing carried out in accordance with the Japan Electrical Manufacturers Association standard JEM 467.) Calculation of air suction time is based on room size (area x 2.4 m² height x airflow 7.0 m³/min).*

Quick and thorough purification

**Powerful suction**

**Dust raised while doing housework is also quickly captured**

We recommend the ultra powerful turbo mode with its strong airflow to quickly clean away bothersome dust and odours at times such as when returning home, entertaining guests, or when housecleaning.
Decomposition of odour sources with Streamer Discharge

Deodorisation

The components that cause foul odours are adsorbed by the filter and then decomposed by the Streamer Discharge. The ability to adsorb odours is continually renewed so replacement of the deodorising catalyst is unnecessary.

Causes of foul odours

- Garbage
- Pets
- Toilets
- Mould
- Food
- Cigarettes

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.

Dust collection speed (guideline)

<table>
<thead>
<tr>
<th>MC70M/VMS</th>
<th>46.0m²</th>
<th>44.6m²</th>
<th>41.3m²</th>
<th>38.0m²</th>
<th>36.3m²</th>
<th>33.0m²</th>
<th>29.7m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 minutes</td>
<td>29 minutes</td>
<td>27 minutes</td>
<td>25 minutes</td>
<td>25 minutes</td>
<td>23 minutes</td>
<td>21 minutes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MC70M/VMS</th>
<th>26.4m²</th>
<th>23.0m²</th>
<th>19.8m²</th>
<th>16.5m²</th>
<th>13.2m²</th>
<th>10.0m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 minutes</td>
<td>17 minutes</td>
<td>15 minutes</td>
<td>13 minutes</td>
<td>10 minutes</td>
<td>8 minutes</td>
<td></td>
</tr>
</tbody>
</table>

Results based on testing carried out in accordance with the Japan Electrical Manufacturers, Association standard JBM-467.

Conditions used to calculate purification time

- **About floor space used**
  As one of the items stipulated in the Japan Electrical Manufacturers, Association standard JBM-467, floor space is determined as the size of a room that can be purified of dirty air with a dust concentration of 1.25 mg/m³ in 30 minutes up to a cleanliness of 0.15 mg/m³, as defined in the Building, Sanitation Management Law, under the condition of one natural ventilation (1 time/hour).

- **Calculation of purification time**
  Using the above stipulation, the purification time for each unit of area is calculated as the time it takes to go from a dust concentration of 1.25 mg/m³ to 0.15 mg/m³. In other words, the time it takes to reach 12% of the initial concentration.

...
User friendly design that’s easy-to-read and easy-to-use

Wide range of features like:

**Titanium apatite photocatalytic filter**
Bacteria and viruses are thoroughly adsorbed by the titanium apatite and then removed by the photocatalyst.

**Streamer Discharge**
This function quickly decomposes odour allergens, etc., with high speed electrons that have a powerful ability to oxidise.

**Electrostatic Filtration Process**
A 6 stage process filtering the smallest particles, adsorbing them through electro-charged filter, without hindering air-flow & cleansing efficiency.

**Streamer deodorising catalyst**
Odours and allergens, etc., are adsorbed on the catalyst and then decomposed by the power of the streamer.

**Plasma dust collection**
Dust and pollen are collected by charging them positively while charging the electrostatic dust collection filter negatively.

**Pleated dust collection filter**
Very economical, the air purifier comes standard with 5 replacement filters. You will not have to buy filters for 10 years (1 filter can be used for 2 years).

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

**Power saving inverter**
The inverter saves energy by efficiently controlling the rotational speed of the motor in order to reduce power consumption.

**Energy saving automatic operation**
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.

**Anti-pollen mode**
Switching between normal and low airflow to create a gentle turbulence, pollen is caught before it lands on the floor.

**Auto restart after power failure**
Air purifier restarts automatically after power failure.

**Off timer**
Operation stop time can be set.

**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 sleeping.

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

**Turbo mode**
This convenient mode provides high power operation to quickly clean the air in a room when, for example, you come home or when you have guests over.

**Prefilter**
This catches large dust particles. Bacteria and allergens are removed by the streamer and filters, which contain catechin.

**Brightness adjustment**
The brightness of the indicator panel lamp can be adjusted.
Stylish design that complements your interiors
Economical: No need to buy filters for 10 years. Operation is economical with the five included filters. You won’t need to buy filters for 10 years, because each filter lasts 2 years.

- Easy filter storage
  Unused filters can be stored neatly inside the unit.

2 Based on ten cigarettes being smoked per day. (Calculation based on testing method of Japan Electrical Manufacturers Association JEM1467 standard.) The unit is unable to decompose all harmful substances such as carbon monoxide found in cigarette smoke. Two years as the replacement period for the pleated filter is given as a guide. This may differ depending on how and where the product is used. The replacement period will become shorter if it is used in a place where there are a lot of pollutants in the air.

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### Photocatalyst and Streamer Deodorising Catalyst

Replacement is unnecessary because odours are decomposed.

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### Technical Specifications

<table>
<thead>
<tr>
<th>Air Purifier</th>
<th>MC70MVM6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable room area</td>
<td>Up to 46 m² (12 m² pulled in separate 9 minutes)*</td>
</tr>
<tr>
<td>Power supply</td>
<td>1 phase 220-240 V 50-60 Hz, CEC code: Constant:</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>576 x 438 x 241 (t)</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>8.5</td>
</tr>
<tr>
<td>Convenient functions</td>
<td>Off timer, Child lock, Display adjustment</td>
</tr>
<tr>
<td>Mode</td>
<td>Quiet, low, normal, high, turbo</td>
</tr>
<tr>
<td>Airflow (m³/min)</td>
<td>0.91, 2.2, 3.5, 6.8, 7.0</td>
</tr>
<tr>
<td>Power consumption (W)</td>
<td>7.0, 10.0, 14.0, 20.0, 88.0</td>
</tr>
<tr>
<td>Sound pressure (dB)</td>
<td>16.0, 24.0, 32.0, 38.0, 68.0</td>
</tr>
<tr>
<td>CADR (m³/min)</td>
<td>65 (1-54)</td>
</tr>
</tbody>
</table>

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### Controls

- **Power saving Inverter**
- **Plasma air collection**
- **Streamer discharge**
- **Dust and odour sensor**
- **Sleep mode**
- **Auto restart**

---

### Pollutants that can be collected, reduced, and decomposed

- Aldehyde (formaldehyde), HCHO, HCN, NH₃, NO₂, NO, O₃, CO, CO₂, etc.
- Pollutants that can be collected and reduced: formaldehyde, HCHO, HCN, NH₃, NO₂, NO, O₃, CO, CO₂, etc.
- Pollutants that can be collected: formaldehyde, HCHO, HCN, NH₃, NO₂, NO, O₃, CO, CO₂, etc.
- Pollutants that can be reduced: formaldehyde, HCHO, HCN, NH₃, NO₂, NO, O₃, CO, CO₂, etc.

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* Calculation based on testing method of the Japan Electrical Manufacturers Association standard JEM1467.
Note:

- Ask an authorised Daikin dealer to install Daikin products. Do not try to install the product yourself or get it installed by an unauthorised dealer. Warranty of the product shall be void if not installed by an authorised Daikin dealer.

- Use only those parts and accessories supplied or specified by Daikin. Ask authorised Daikin dealer for any repairs or components. Warranty of the product/component shall be void if non-specified spares are used or repaired by a non-Daikin dealer.

For any inquiries, either call the numbers mentioned below or contact your nearest Daikin dealer.

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DAIKIN AIRCONDITIONING INDIA PVT. LTD.
12th Floor, Building No. 9, Tower A, DLF Cyber City, DLF Phase III, Gurgaon - 122 002, Haryana, India.
Tel.: 0124-4554544, Fax.: 0124-4556333, Corporate Identification Number (CIN) - U74899DL2000PTC104990
Registered Office: F-25/2, Okhla Industrial Area, Phase II, New Delhi - 110 020, e-mail: ho@daikinindia.com

SALES & SERVICE OFFICES
Ahmedabad: 079-26583013/14, 36583364
Bengaluru: 080-25590450-64
Bhubaneswar: 0674-2546476
Chandigarh: 0172-508962-64
Chennai: 044-40807676
Kolkata: 033-22894259/60
Lucknow: 0522-2787307/340/291
Mumbai: 022-30926666
Pune: 020-25600300

Delhi-NCR: 011-43834800/4800
Ghaziabad: 0120-4259030
Hyderabad: 040-49134283
Indore: 0731-4044008
Jaipur: 0141-2218903
Kochi: 0484-2331615

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World’s no.1 position based on internal assessment of total company sales revenue for 2019/20. Product mentioned in the catalogue comply with 1st waste (Management & Handling) Rules, 2011 and should not be mixed with general household waste at the end of their useful life. For more details kindly visit our website www.daikinindia.com or contact our customer care centre at 1800 102 1000 / 1800 22 1000."