



Air Conditioning

頑張る
Perseverance

| Humidification | Dust collection | DedORIZATION |
|----------------------------------|-----------------------------------|-----------------------|
| Capacity in turbo operation mode | | |
| Air purification only | Humidification + air purification | Humidifying capacity* |
| 5.5 m3 / min Airflow | 5.5 m3 / min Airflow | 500 mL/h |



ACTIVE PLASMA ION

Double method



2 in 1
Humidifier
and Purifier



Deodorizing
filter



Electrostatic
HEPA filter



Three-
directional
suction



PM2.5
sensor



Easy
maintenance

Streamer Air Purifier URURU

Breathe clean fresh air

The Humidifier Streamer Air Purifier protects your home air environment, where clean air is important. With Daikin's unique double method technology, allergens such as mold, mites and pollen are decomposed and removed, along with unpleasant odors.

Slim design

With a horizontal width of only 27 cm, the unit fits neatly in gaps between furniture or against the wall in rooms that are cramped and full of things.



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

Unique double method

Streamer inside

Streamer, a high power plasma discharge technology, decomposes harmful substances* inside the unit.

These substances are either trapped on the HEPA filter or absorbed to the deodorizing filter element.



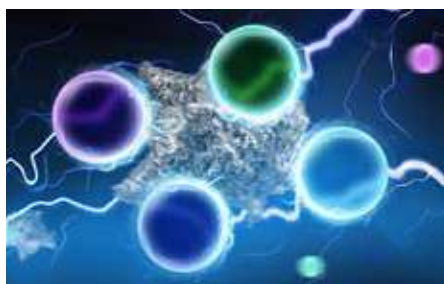
Mechanism of decomposition by Streamer:



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.

*Substances including: viruses¹, bacteria², pollen³, mold spores⁴.

1: Testing organization: Kitasato Research Center for Environmental Science; Test result certificate 21_0026 (issued by same organization); Result of experiment: 99.9% removal of A-H1N1 virus after 1 hour.

2: Testing organization: Japan Food Research Laboratories. Test number: 15044988001-0201. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a dust collection filter installed in an air purifier, and operated it in a test area of 25 m³. Counted the number of live bacteria after five hours. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCK55S (Japanese model), a model equivalent to MCK55W series (turbo operation).

3: Various allergens were irradiated by streamer discharge and the breakdown of protein in the allergens was verified using the ELISA method, cataphoresis, or an electron microscope (Joint research with Wakayama Medical University). Test example: 'Japanese cedar pollen Cryj-1'; Test result: 99,6% or more decomposed and removed in 2 hours.

4: Testing organization: Japan Food Research Laboratories. Test number: 204041635-001. Test result: 99.9% or more of mold (Cladosporium) spores decomposed and removed in 24 hours.

Active Plasma Ion flow outside

The Active Plasma Ion generation unit provides further purification to the space, by adding purifying elements to the cleaned air. These could for example assist to deodorize smelling curtains and carpets.

Mechanism of reduction by active plasma ions:

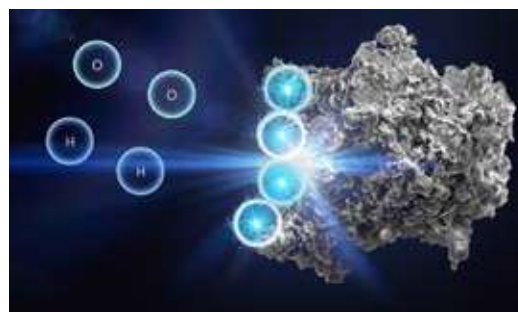


Image is for illustrative purposes

THREE STEPS

to decompose harmful substances

1

Powerful suction

Three-directional suction reliably takes in dust that tends to collect near the floor from: below, left and right.

Its design allows it to take in large amounts of air because the air inlet is located apart from the air outlet so that the airflow from the outlet is soft.



2

Effective capture of pollutants

The unit's electrostatic HEPA filter can collect harmful substances efficiently with the power of static electricity.

Therefore it doesn't clog as easily as a non-charged HEPA filter that captures particles based on the fineness of the mesh.



3

Decomposition

Uses Daikin's Streamer technology to decompose harmful substances caught on the filter by oxidation.* Effect after nine hours in a space of about 200L.



*Note: (Reduction of gases) Testing organization: Life Science Research Laboratory.

Test method: After operating a gasoline engine for 10 minutes (when particulate concentration reached 60mg/m³), 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).

THE 3 C'S OF STREAMER

Clash

The dust collection filter catches the floating substances with the attached harmful gases and Streamer decomposes the gases by oxidation.

Cycle

The deodorizing filter absorbs and decomposes odor. Thanks to the regeneration of the absorbing capacity, the deodorizing capacity is maintained. No need to change the deodorizing filter, unlike air purifiers with activated carbon filters.

Clean

Removes bacteria from dust collection filter and humidifying filter.

Electrostatic HEPA filter

High-performance filter to catch fine particles of dust



Removes 99.97% of fine particles of 0.3 μ m*

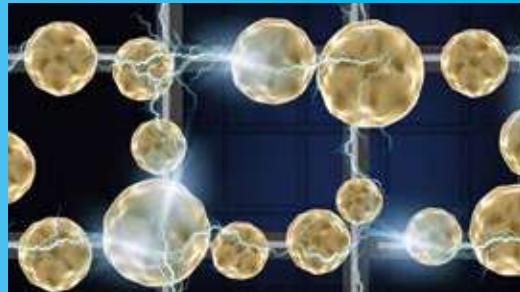
The filter collects dust efficiently with electrostatic forces. It is not prone to clogging compared with unelectrified HEPA filters which collect particles only by the fineness of the mesh.

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

▶ The filter can purify a larger amount of air!

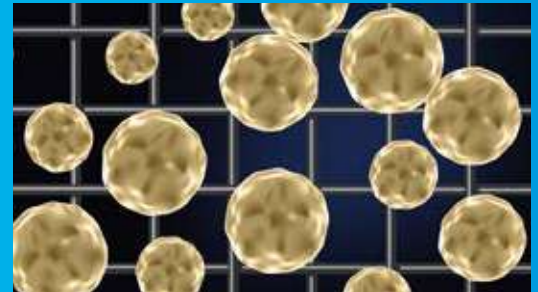
*This is removal performance of filter and not removal performance for entire room.

Comparison between electrostatic HEPA filter and non-electrostatic filter



Electrostatic HEPA filter

The fiber filter itself is charged with static electricity, and collects particles efficiently. It doesn't clog easily because of low pressure loss.

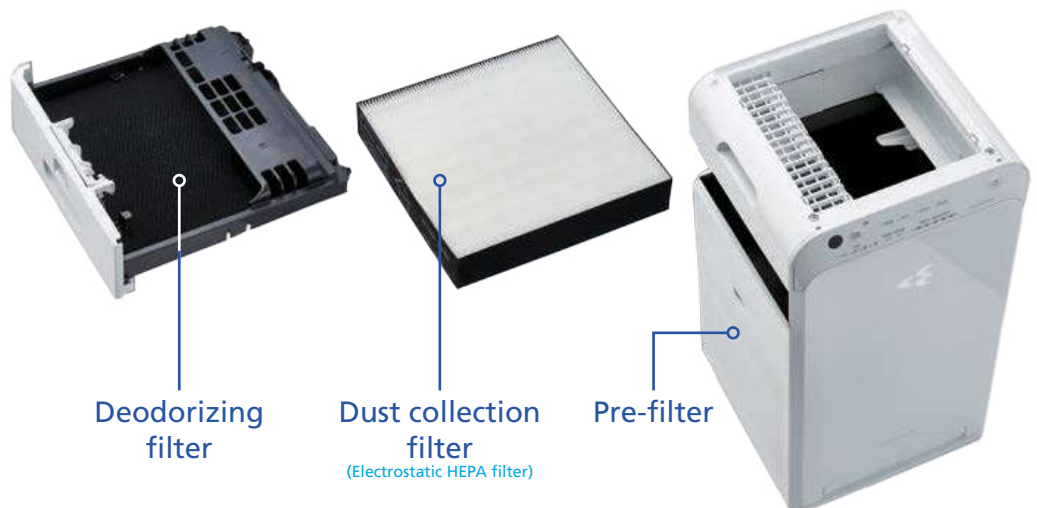


Non-Electrostatic filter

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

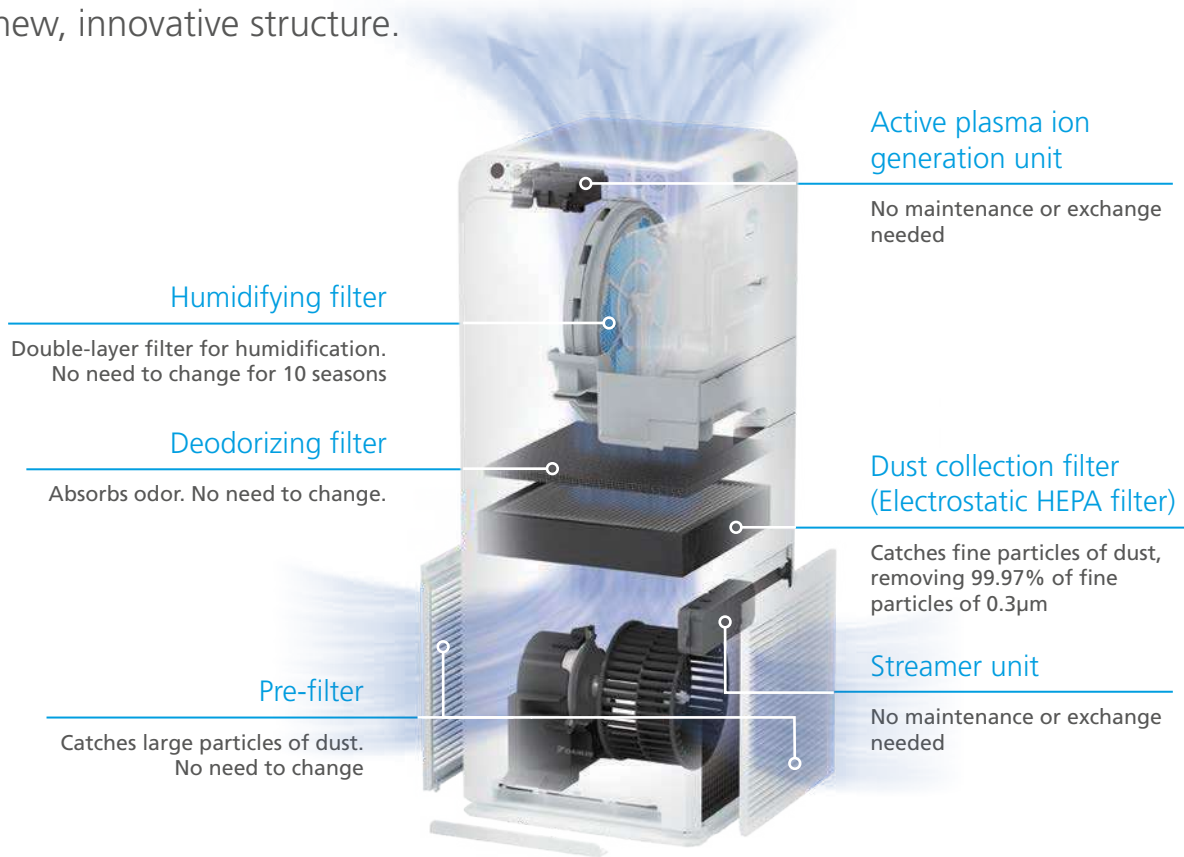
New and innovative structure arranges filters vertically

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.



Unique vertical structure

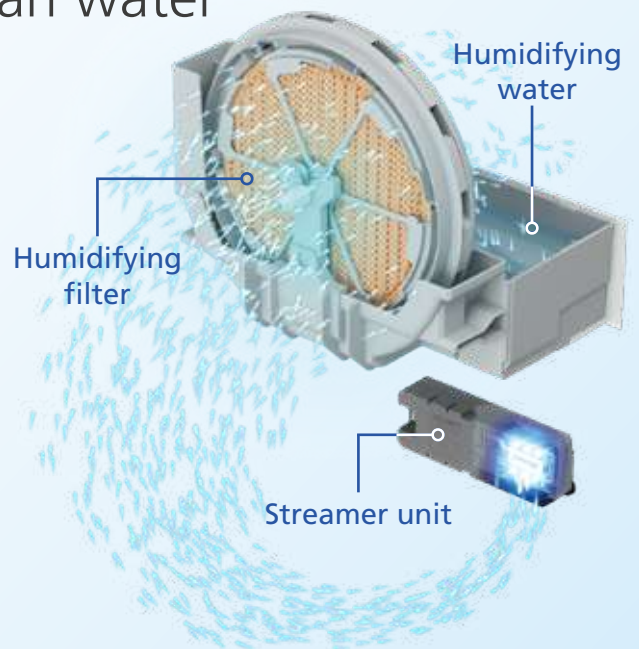
Reduced sound operation and improved operation thanks to the new, innovative structure.



Powerful humidification with clean water

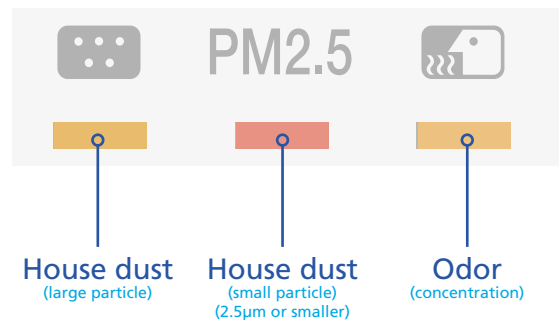
The humidifying tray is equipped with a silver ion agent and a water wheel system to keep the humidifying filter from being directly soaked in water.

- › Air purification capacity does not drop even during humidification
- › Removes bacteria from humidification water with Streamer
- › No large temperature drop during humidification
- › Equipped with three humidity settings + moist mode



Triple detection sensor quickly detects 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 odor sensor, "triple detection" of dust, PM2.5 and odor is provided.



Sensor detects:



Choose from the various operation modes:



Auto fan

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.



Econo

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



Moist

Automatic control maintains relatively high humidity that is gentle to the throat and the skin.

Healthy skin

When the air is dry, it can easily damage the throat or skin. By humidifying the air, dry mucous membranes in the throat and nose are moisturized. This is effective for preventing inflammation in areas affected by viruses, and for preventing contagion.

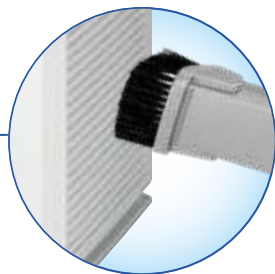


Other useful features



Filter cleaning without opening the panel

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



Easy-to-detach water tank

The water tank is conveniently placed in a high position for easy detaching. The compact size of the tank makes it easy to replenish water in a sink or a wash basin.



Equipped with roll-away casters

Easy to move to clean the floor.

Specifications

| | | | | | | | | | |
|----------------------------|-----------------------------------|--|-----|----------|-------|--|-----|--------|-------|
| Model | | URURU - MCK55TVM6 | | | | | | | |
| Color | | White | | | | | | | |
| Mode | | Air purifying operation | | | | Humidifying operation | | | |
| Applicable room area* | Air purification | 41 m ² (13.2 m ² purified in approx. 11 min.) | | | | — | | | |
| | Air purification + Humidification | 41 m ² | | | | Prefab : 23 m ² Wooden : 14 m ² | | | |
| Power supply | | 1 Phase, 220–240/220–230 V, 50/60 Hz | | | | | | | |
| Plug shape | | C Type | | | | | | | |
| Mode (m ³ /min) | | Quiet | Low | Stand. | Turbo | Quiet | Low | Stand. | Turbo |
| Airflow rate | | 0.9 | 2.0 | 3.2 | 5.5 | 1.7 | 2.4 | 3.2 | 5.5 |
| Power consumption (W) | | 7 | 10 | 17 | 56 | 11 | 14 | 19 | 58 |
| Sound pressure level (dB) | | 19 | 29 | 39 | 53 | 25 | 33 | 39 | 53 |
| Humidification** (mL/h) | | — | — | — | — | 200 | 240 | 300 | 500 |
| Dimensions | | 270×270×700 mm | | | | | | | |
| Weight | | 9.5 kg (Without water) | | | | | | | |
| Humidifying method | | Evaporation type Element | | | | | | | |
| Tank capacity | | About 2.7 L | | | | | | | |
| Filters | | Periodic maintenance | | Washable | | Replacement | | | |
| | HEPA KAFP080B4E | No | | No | | 10 years JEM Standard*** | | | |
| | Deodorizing | No | | No | | No | | | |
| | Pre-filter KNME080A4E | With a cleanser (When needed) | | Yes | | No | | | |
| | Humidifying | Wash with water | | Yes | | 10 years JEM Standard*** | | | |

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

** : Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity.(JEM1426)

***: 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.



Includes a remote controller making it easier to operate from a distant position.

*Our commitment to continuous improvements can mean changes in specifications without notice.



Daikin is the world's leader in Air Conditioning. We are devoted to deliver outstanding products and innovative home, business, and industrial solutions.

Defy your limits
www.daikinlatam.com