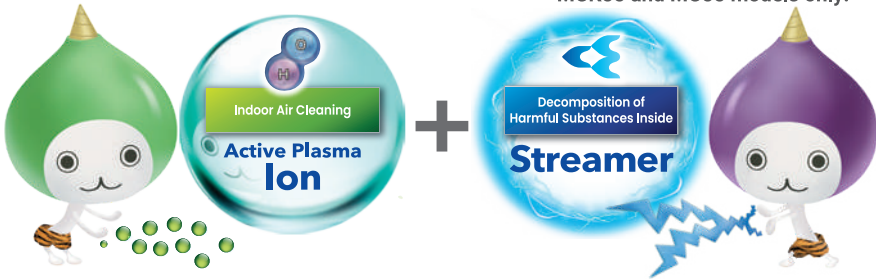


The Daikin Difference

Double Method

Daikin's Unique Double Method

* MCK55 and MC55 models only.



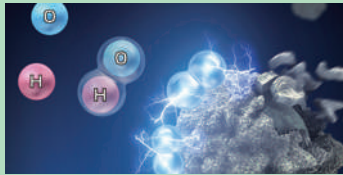
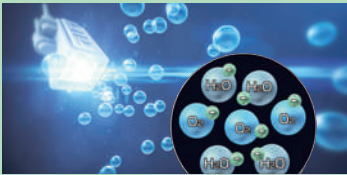
OUTSIDE

Active Plasma Ion Flow Out

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.

Mechanism of reduction by active plasma ions

Concentration: 25,000 ions/cm³ *1



Note:
*1 The number of ions per 1cm³ 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

Daikin's plasma ions have been proven to be safe in regards to effects on skin, eyes and respiratory organs.
Testing organization: Life Science Laboratories, Ltd.
Name of test: repeated-dose toxicity test
Test number: I2-II A2-0401

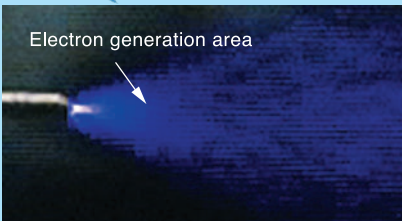


INSIDE

Decomposition By Streamer

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

Mechanism of decomposition by



Electron generation area

Note:

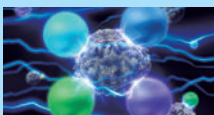
*2 Comparison of oxidation decomposition.
This does not mean temperature will become high.



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.



Conventional Air Purifier

It is a major disadvantage when both positive and negative ions are generated by the Air Purifier, as they sometimes bind and neutralize each other without ever reaching the harmful substances.

Ions bind and neutralize

Can't reach

