

*Japan-made equipment*

*The triple function for decompose viruses and air purification*



# COMFORLD

*Air Purifier*

+

*Ozone Generator*



*AIRPURE Co., Ltd.*

The triple function with UV RAYS + OZONE + NEGATIVE ION



# COMFORLD

Air Purifier

+

Ozone Generator

1 **Two functions in one device**  
**Air purifier and Ozone generator**

▶P.02

2 **Scientifically Approved**  
**Sterilizing power by UV-C and OZONE**

▶P.03

3 **Environmental friendly**  
**It reduces Ozone concentration low\***

▶P.04

4 **Filterless system**  
**It prevents bad odor and low-maintenance**

▶P.05

5 **Reduces risk of Infection**  
**Tested for virus and chemical**

▶P.06

6 **Fashion-wise**  
**Wide variety of color options**  
**It can be used as a wall-mounted**

▶P.07

7 **Match for room conditions**  
**Different five Modes Available**

▶P.08

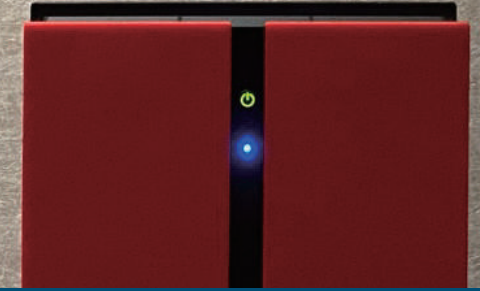
The name of “**COMFORLD**” is a combination of the words “comfortable and shield”. **COMFORLD** is a shield that protects you against harmful substances and at the same time provides you with a comfortable life.

\* Our technology keeps ozone emissions (less than 0.03 ppm) within Japanese environmental standards.

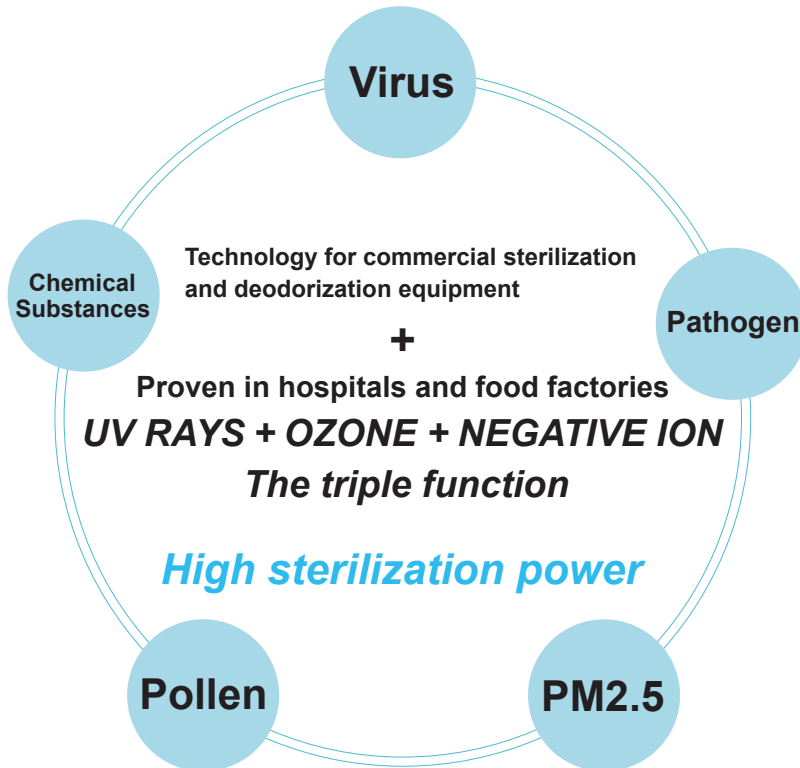
1

Two functions in one device

# Air purifier and Ozone generator

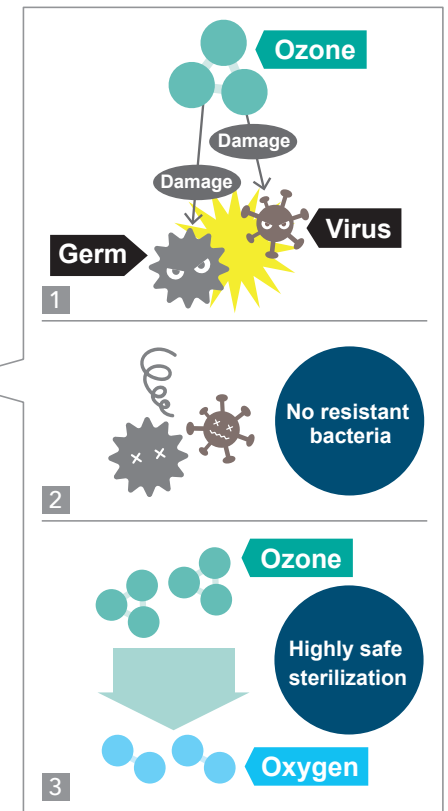
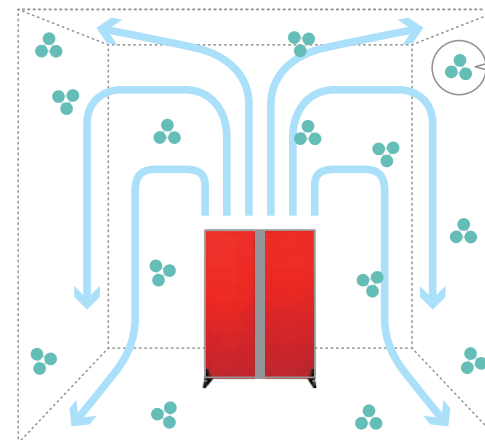


## Air purification function



## Ozone generation function

Ozone spreads throughout the room, damaging bacteria and viruses. In addition, ozone returns to oxygen after a short time, so there is no risk of residual chemicals, and highly safe sterilization is possible.

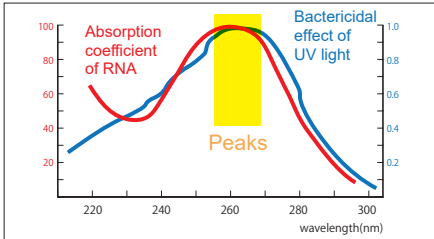
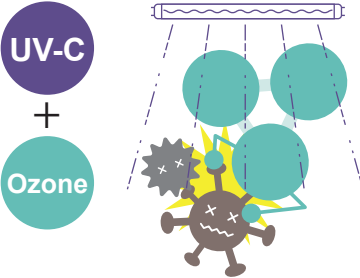
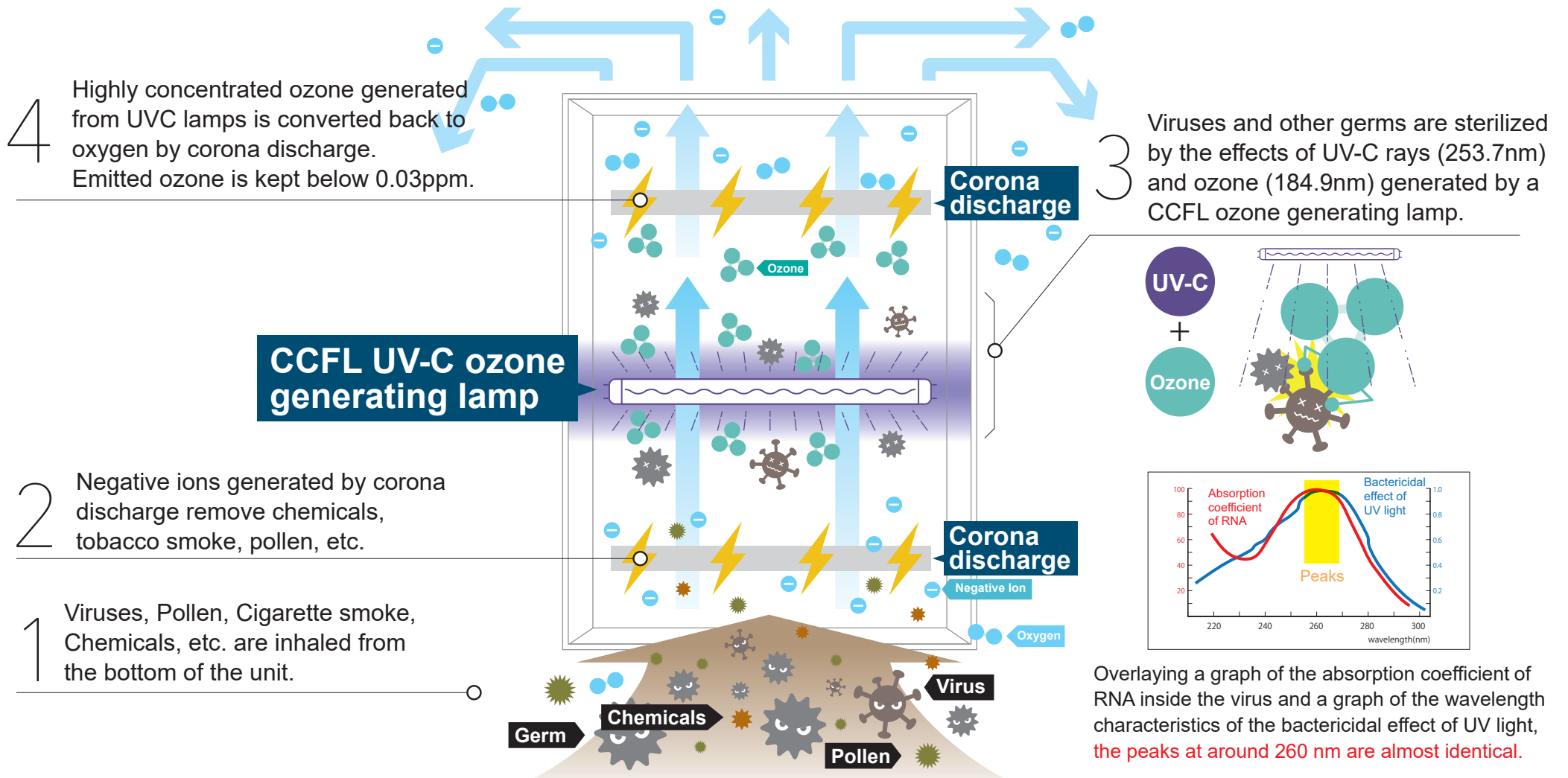
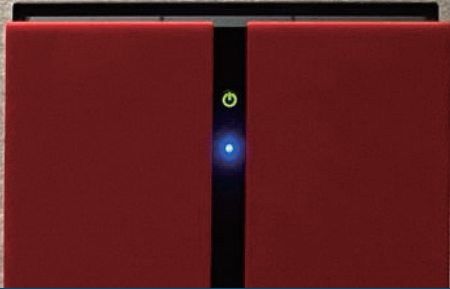


# 2

Scientifically Approved

## Sterilizing power by "UV-C and OZONE"

Internal configuration of COMFORLD

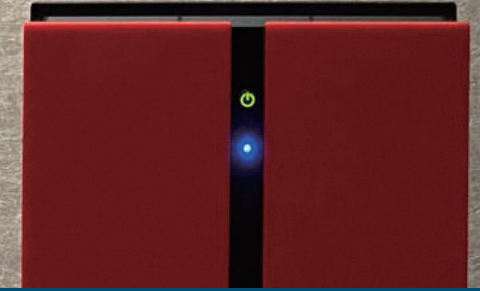


Overlaying a graph of the absorption coefficient of RNA inside the virus and a graph of the wavelength characteristics of the bactericidal effect of UV light, the peaks at around 260 nm are almost identical.

# 3

Patented Technology

## It reduces Ozone concentration low

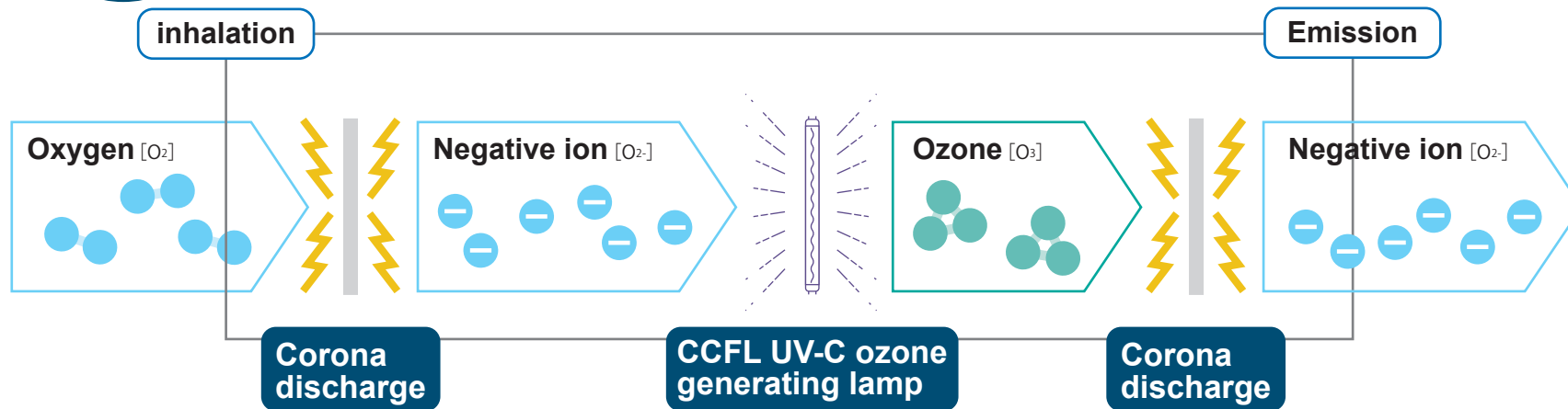


Patented Technology

Sterilizes inhaled air with UV-C and Ozone  
Suppresses emitted ozone concentration to **0.03 PPM or less**

Our unique Technology

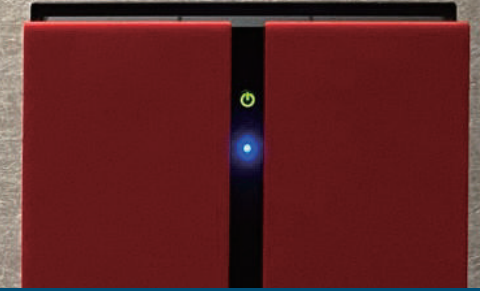
Generation of negative ions by corona discharge + Ozone-generating UV-C lamp



4

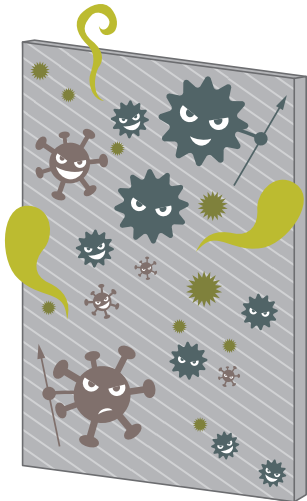
Filterless system

*It prevents bad odor and low-maintenance*



## Filter-type air purifier

Filters need to be changed regularly



### Advantage

Capable of collecting more than 99.97% of 0.3 $\mu$ m particles.

### Disadvantage

Viruses with a size of 0.1 $\mu$ m may not be collected.  
Filters don't have the ability to sterilize viruses themselves.  
Bacteria and mold can grow easily in humidity.



# COMFORLD

**No need to wash  
or clean filters.**

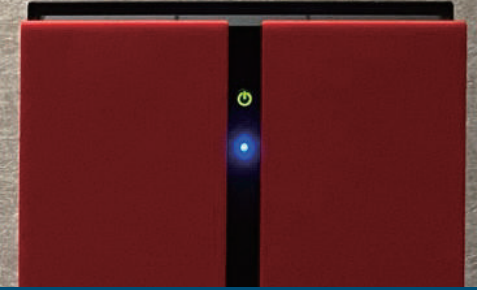
**Easy to maintenance, just  
replace with a new unit.**

**Filterless design prevents  
the growth of bacteria that  
can cause bad odors.**

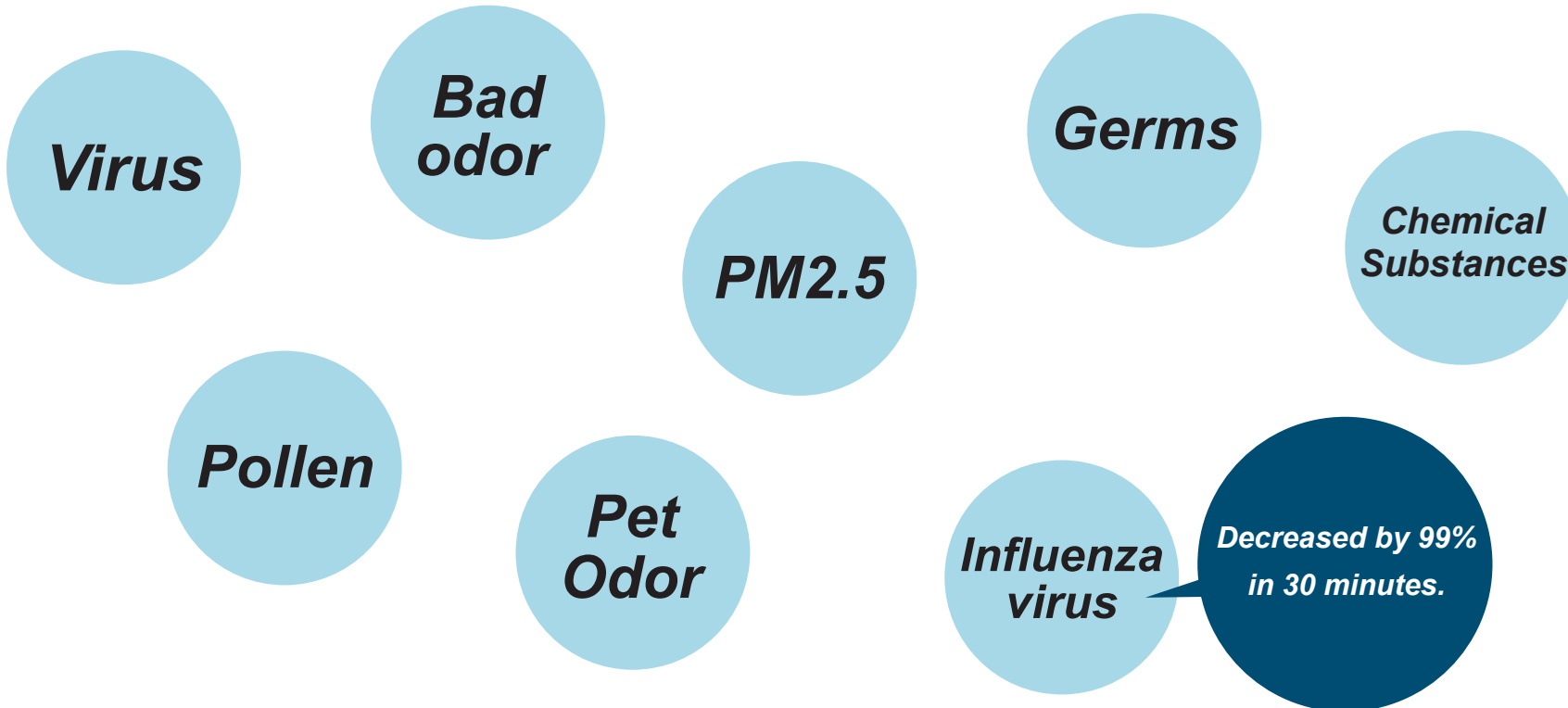
5

Reduces risk of Infection

***Tested for virus and chemical***

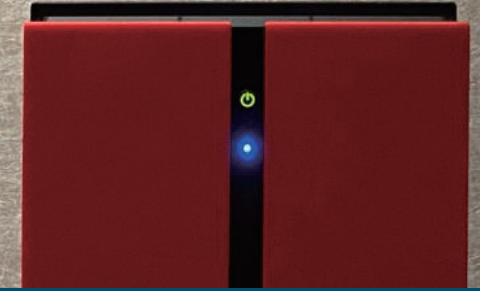


***Tested for virus inactivation, chemical removal, etc.***



Fashion-wise

# 6 *Wide variety of color options* *It can be used as a wall-mounted*



The basic colors of white, black, and red, which can be selected according to the scene, it can also be customized with wood grain and fabric tones. (Paid option)

## Basic colors



## Custom colors

\*Paid option



Basic color / White



Custom color / White wood



Custom color / Hairline Silver



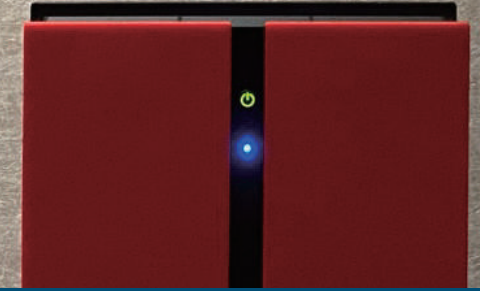
Custom color / Dark Wood

Can be wall-mounted  
Lightweight design

7

Match for room conditions

## Different five Modes Available



**Five modes can be selected according to the room scene. In addition, COMFORLD is equipped with the ozone mode.**

| Mode   | Ion | UVC lamp |       | Fan    |       |                                             |
|--------|-----|----------|-------|--------|-------|---------------------------------------------|
|        |     | Action   | Power | Action | Power |                                             |
| Sleep  | ☉   | △        | 20%   | △      | 40%   | For sleeping or quiet time                  |
| Low    | ☉   | ☉        | 40%   | ☉      | 60%   | For small spaces                            |
| Middle | ☉   | ☉        | 60%   | ☉      | 80%   | Normal mode                                 |
| High   | ☉   | ☉        | 80%   | ☉      | 100%  | Large spaces or places with a lot of people |
| Ozone  | —   | ☉        | 100%  | ☉      | 100%  | For sterilization and deodorization         |

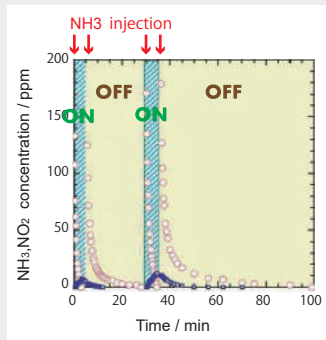
### Ozone mode

Normally, use it as an air purifier, and use the ozone mode for ozone sterilization after work or when going out.

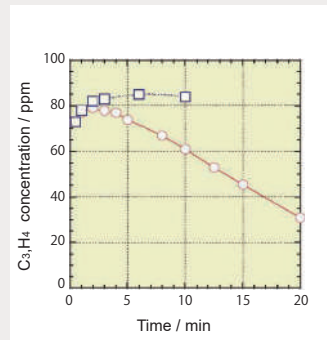
The ozone mode automatically terminates after one hour.

## Tested for virus inactivation, chemical removal, etc.

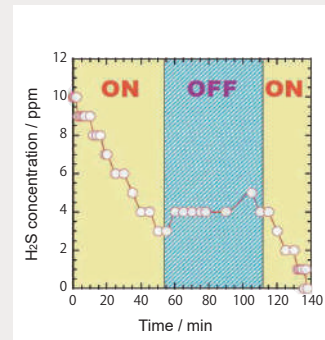
Ammonia removal test



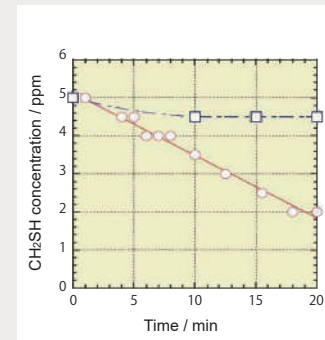
Ethylene removal test



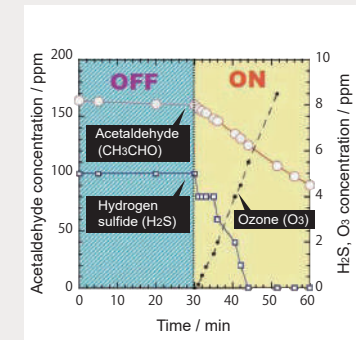
Hydrogen sulfide removal test



Methyl mercaptan



Malodorous components  
of Tobacco



Data on sterilization and deodorization functions, and results of chemical substance removal tests for ammonia, ethylene, and tobacco odor components, were obtained through joint research with the National Institute of Advanced Industrial Science and Technology (AIST).

Previous influenza virus inactivation experiments have shown a 99% reduction in 30 minutes.

Other examples include O157, a pathogenic E. coli bacteria that causes severe food poisoning, and Tests have shown that it is effective against MRSA, methicillin-resistant Staphylococcus aureus.

### *E. coli* O157 Sample Testing

