

Since ancient times, the atmosphere of the earth has been purified by lightning.

According to the study of Russian scientists in 1934, the lightning strikes the earth more than 100 times per second and generates ion clusters purifying the air.

Ion cluster is an aggregate of ions in which positive and negative ions are combined. Ion clusters have the property of adsorptioning gasified organic chemical substances and suspended solids such as bacteria and viruses in the air and decomposing and removing them. Utilizing this natural providence, it enables deodorization, sterilization, and removing virus, and normalizes the air in the room.

What makes Facion different from the ion cluster generators of other companies?

< Succeeded in suppressing the generation of harmful ozone >

General ion cluster generators from other companies generate lightning between needles. Since Facion generates lightning between faces, it is possible to generate a large amount of ion clusters. Normally, when a large amount of ion clusters is generated, ozone, which is harmful to the human body, is generated as a by-product. However, we succeeded in reducing ozone by our own method so that it meets the standard that is harmless to the human body. (International standard of ozone; 0.05ppm or less)

< No filter required, saving time and effort for maintenance >

Facion does not require an air filter because it can purify the air by filling the room with a large amount of long-life ion clusters which have high ionization energy. Household ion cluster generators from other manufacturers keep the generation of ion clusters to a small amount in order to suppress the generation of ozone. Therefore, it is difficult to fill the space with a large amount of ion clusters, and it is difficult to purify the air with ion clusters alone, so air filters are used to complement it. When using Facion, there is no need to clean or replace the air filter or worry about the growth of bacteria and viruses inside the filter.

Facion has a sales record of more than 8,000 units to medical institutions, nursing home for the elderly, nursery schools, etc. Until now, we have sold it for business use to the industries that are highly interested in infection control as a countermeasure against bacteria and viruses. Due to the spread of the coronavirus infection (Covid-19), people's awareness of bacteria and viruses has changed. Therefore, it is expected that Facion will be widely used in various spaces such as general offices and homes.