

“About Ozone and UV Lamp “

Most purifier use UV lamp and anion system, and ionizer generates ozon which is harmful to human body.

NIT indoor products use A.O.P (OH Radical), and it does not generate ozone.

<http://www.epa.gov/iaq/pubs/ozonegen.html> on this website, you can find some information about ozone.

Most regular air purifier company use UV C lamp which people shouldn't see and touch that lamp.

For ionizer, When anion is generate 1,200,000 ions, ozone's density must be less than 0.05ppm (International Standard).

If it's over 0.05ppm , it is very harmful for human body.

It is very weak to sterilize air by using 1million~2million ions, because air molecules and ion ratio have a huge gap.

However, NIT uses UV A lamp and Nano tube fiber which is very safe for human body and is very good at sterilizing. People even can touch and see that lamp.

According to U.S.A Environmental protection Agency report, combination TiO₂ and UV light is most effective way to sterilize the air. (We attached the file)

Strength of Hydroxy Radical is as follows:

- Complete degradation of almost all organicchemical pollutants
- Sterilization of pathogenic bacteria
- Powerful deodorant effect
- Sterilizing power= 2,000 times faster than ozone / 180 times faster than ultraviolet rays (254nm)
- Harmless to the human body

Therefore, our product is different and expensive than the others that is cheap and made in China.