

# V-Buster Q&A



## Q: Why V-Buster's composite filters are better than HEPA?

**RISE:** First of all, HEPA is the "standard" of filter! Most people misunderstand. According to the definition of the US Department of Energy, a filter that can isolate 99.7%, 0.3 micron ( $\mu\text{m}$ ) aerosols, is called HEPA. The effects of the V-Buster filters exceed the HEPA standard. The authoritative test reports and measured data prove that V-Buster not only can effectively isolate PM0.3 but also viruses which are about 0.001 micron. With professional designed air circulation system, V-Buster's composite filters are highly resistant to viruses and to decomposing actively, not just filtering.

## Q: How effective is V-Buster in removing VOCs?

**RISE:** After turn on V-Buster 2 hours with 100% fan speed, the VOC dropped from 41.02 PPM to 16.32 PPM. But then the data goes up and down. In response to this situation, we have specially consulted Taiwan SGS and got reply that it is difficult to have the overall "VOC" data as VOC is divided into several categories, such as benzene, organic chloride and so on. For testing, there must have a clear type and will take 2 weeks to get accurate data. Formaldehyde is the most common type of VOC. V-Buster has passed the formaldehyde test of SGS and achieved 92.4% formaldehyde removal efficiency within 24 hours.

## Q: Why doesn't V-Buster use ultraviolet light sterilization?

**RISE:** V-Buster uses LED light, which is more environmentally friendly. The anti-viral and bacterial functions are mainly derived from NTDA. Under the light, the effect of NTDA can be doubled. Ultraviolet light can cause skin damage, immunosuppressant, and even cancer. UV sterilization has been banned in more and more regions. In addition, V-Buster has the advantage of being able to anti bacteria even without the light, making it healthier, more energy efficient and practical! (Please note: due to the nature of the nano, NTDA will be able to perform anti-virus functions only under illumination.)

## Q: Can V-Buster's LED light protect the eyes?

**RISE:** YES! RISE is highly recognized globally with 30 years of professional lighting experience, especially from Europe and United States. The lighting of V-Buster features "comfort & eye protection": (1) Pass harmless test for Blue light & UV (2) no UV and IR radiation (3) flash free (4) UGR<19 (5) Dimmable to meet the needs of different time periods.



**Q: What is the iodine value of the V-Buster filter?**

**RISE:** Compared to most filters with an iodine value of about 600-1,000, the “coconut activated carbon layer” of V-Buster's outlet filters with an iodine value of 1050/1450, which makes the effects of purification last longer and better.

**Q: How long is the sterilization period valid?**

**RISE:** One of the advantages of NTDA is that the effect can be long-lasting. As long as the V-Buster is properly installed and used as well as the filter is replaced in time. NTDA's anti-bacterial and anti-viral effects can last up to 5 years.

**Q: Why V-Buster outlet filters has a small internal UVA light?**

**RISE:** Don't worry! It's an internal 367nm UVA lamp, not direct exposure, only used to stimulate the power of purification of filter's NTDA. It is almost harmless to the human body. The [Protection Lock] mode is especially designed to provide double protection when replacing the filters. (UV light has three levels: long-wave UVA 320-400 nm, medium-wave UVB 280-320 nm & short-wave UVC100-280 nm. In general, the shorter the wavelength that the greater the damage to the human body!)

**Q: If the V-Buster is installed in the restroom, can it reduce bad smelling?**

**RISE:** V-Buster using NTDA (Nano TiO<sub>2</sub> Doped with Ag<sup>+</sup>), that coating on the filters and the diffuser to eliminate bad smelling and to fresh the space. Please note that if plan to install V-Buster in the restroom which shall be the type of wet and dry separation. V-Buster is not designed for the space which is too wet, such as shower room, sauna, etc.

**Q: Can V-Buster be installed in the kitchen?**

**RISE:** In order to ensure the best purification and safety, it is better not to install V-Buster in the kitchen, especially, for the kitchen of deep-fried cooking type. Please do not use V-Buster near gas appliance, heating devices or fireplaces.