UV Sterilizer

Disinfection System

UV Sterilizer

Ultraviolet refers to electromagnetic light wave whose wavelength is shorter than 400nm, because its spectrum is in violet

Outside the color area, it is called ultraviolet (UV). Ultraviolet light refers to the electromagnetic wave with the wavelength of 100-400 nm, which cannot be seen by the naked eye. According to different wavelength range, ultraviolet light can be divided into three bands: A, B and C. the wavelength of C-band ultraviolet sterilizer is between 200-280 nm, which is the most effective sterilization band. UV at 240-270 nm can destroy the molecular structure of DNA (deoxyribonucleic acid) or RNA (glycosyl) in microbial cells, resulting in growth Cell death and / or regenerative cell death can achieve the effect of sterilization and disinfection

Ultraviolet disinfection technology is based on modern epidemic prevention, medicine and photo dynamics, and uses specially designed high efficiency, high intensity and long life UVC band ultraviolet light water to kill bacteria, viruses, parasites, algae and other pathogens directly.

1. High sterilization efficiency: the use of ultraviolet sterilizer sterilization time is short, the killing efficiency of bacteria and viruses can be as high as 99% - 99.99%.
2. Broad spectrum bactericidal: UV sterilizer can kill bacteria and viruses of several institutes. For parasites that cannot be killed by traditional disinfection methods, ultraviolet disinfector also has effective killing effect.
3. No impact on water quality: the ultraviolet sterilizer is a physical disinfection method, so it does not need to add any chemicals that can change the water quality. Therefore, it will not cause secondary pollution to the water body and the surrounding environment, and will not change any components of water or air.
4. Safe operation: under the reasonable design, the ultraviolet sterilizer has no leakage and will not cause damage to the surrounding environment, thus avoiding the life and production of operators and surrounding residents affected.