



Solutions for a Cleaner Environment

Helping to Keep Our Community Healthy

New & Available to You:

The Disinfection Cabinet

UV-C Technology + Robotics = Powerful Results

Why UV-C Light is Being Used For Disinfection

Ultraviolet-C is one of three bandwidths of UV light given off by the sun: UV-A, UV-B, and UV-C. UV-C is different from the others in that it is blocked by the Earth's ozone layer and therefore microorganisms haven't adapted to exposure, making UV-C a particularly effective disinfectant.

How Does UV-C Disinfect?

Though UV-C light never passes through our ozone layer, Safe Space Technology has harnessed its power synthetically through ultraviolet germicidal irradiation.

Essentially, UV-C wavelengths between 200 and 300 nanometers are used to destroy nucleic acid and disrupt the DNA of microorganisms, rendering them incapable of reproducing. As a result, UV-C disinfects anything it comes in contact with, whether in the air or on surfaces.

The Safety & Efficacy of UV-C

Because UV-C can disinfect the air, it's particularly useful for killing airborne pathogens that cause illness or aggravate conditions such as asthma or other respiratory issues. However, direct exposure to UV-C light can be harmful to humans and animals, causing skin and eye damage. So it's important to make sure a room or space is vacant when UV-C technology is in use.

For this reason, all Safe Space Technologies products are equipped with built-in motion and camera registration for safety shut-off. In addition, the effectiveness of UV-C disinfection is dependent upon certain variables, like how much organic matter is on surfaces, as well as how close the UV-C light is to its target. With this in mind, Safe Space Technologies has optimized its products through automation and modular designs to increase disinfection efficiency and effectiveness.

The power of ultraviolet light has been used for decades in hospitals as a trusted disinfection tool. Now, with the world facing a global pandemic, UV-C is getting renewed attention. Its use case is essentially limitless: any space, home, or business can benefit from the disinfection power of UV-C.

UV-C Exposure Kills:

- ✓ BACTERIA
- ✓ VIRUSES
- ✓ FUNGUS
- ✓ MOLD
- ✓ PROTOZOA
- ✓ ALGAE

The Disinfection Cabinet

Disinfect Everyday Items with the Power of UV-C

Looking for UV-C disinfection on-the-go? This cabinet quickly and safely disinfects up to 30 devices, like tablets or phones, in just a few minutes. Perfect for schools, universities, and office settings (disinfect devices between classes or during a lunch break). And don't worry, UV-C light provides powerful disinfection capabilities without fear of damaging displays or electronics.

This cabinet is available with or without device charging capability. Additionally, built-in safety measures prevent any possible exposure to UV-C light while the system is in use.



DISINFECTION TIME

- Disinfection times vary depending on the size of the cabinet
- For example: a 4ft x 6 ft x 16" cabinet can disinfect items in less 4 minutes

FEATURES

- Switch/signal indicators signifying when disinfection is activated and complete
- Integrated shut off sensors for emergency shut off
- At minimum (4) 190 watt UV-C bulbs per system
- Size of chamber itself can be modified into many shapes and sizes: Minimum 4ft x 4ft x 16" depth



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