



The post Covid-19 reality has irreversibly changed our world. Our personal and professional lives now include an increased priority on disinfecting our physical environments.

The new challenge for business owners and community leaders:

How do we ensure that the spaces where we gather, are virus and pathogen free?

SPECTRUM

We specialize in environmental maintenance providing you with the most efficient method of protection from bacteria and viruses (including COVID-19) using UVGI (Ultraviolet Germicidal Irradiation) devices which emit UV-C light. We're not a janitorial service and we don't replace the critical role they play. We singularly focus on UVGI treatments to eliminate all harmful microorganisms.

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What is UV-C?

Ultraviolet light (UV) is a type of electromagnetic radiation that is essentially sunlight. UV light is also responsible for summer tans – and sunburn. This same UV light, in very high doses, known as UV-C, has been shown to have anti-microbial properties. Scientists have been using UV-C since the 1930s to kill bacteria, fungi, mold and viruses. UV-C light is invisible to the human eye, and when applied with enough intensity kills 99.99% of all pathogens.



What is a UVGI Device?

UVGI devices which use UV-C light emitting technology were mostly used in hospitals and medical facilities, known to be harbingers of viruses and bacteria. Given that UVGI devices can eliminate 99.99% of all pathogens in physical environments they are now becoming the preferred method of disinfection in commercial and personal spaces. As this is technology and a form of treatment that are relatively new there are a number of questions that you likely have. Spectrum-UVGI is here to provide answers and support.

Why is Spectrum-UVGI better than other cleaning treatments?

- » It eliminates 99.99% of pathogens.
- » We use Smart dosing technology to deliver maximum germicidal UV-C.
- » The lights used are 254nm, which are the most effective UV-C wavelength.
- » Each time the machine is turned on our tracking software records the location and time in-use for full accountability.
- » There is no cleaning process, so no human error.
- » There is no harmful chemical residue and it will not damage materials.
- » It's fast. The surface and air are sterilized in 10 minutes.
- » There is no dry time, residue or smell.
- » Our treatment is non-toxic, and there is no risk or danger when the light is turned off.

UVGI works by destroying the DNA and RNA of pathogens [the disease-causing bacteria, viruses, mold, etc.]. Once the DNA has been destroyed, the microorganism is either killed or deactivated, which means it can no longer reproduce.

Our UVGI treatment is a critical resource in keeping any physical space virus free including; hospitals, places of worship, office buildings, municipal building, schools, assisted living facilities, hotels, restaurants and more.

Is the UV-C light and UVGI treatment safe?

Absolutely. When our machines are turned off, they no longer emit, and there ceases to be any risk. It's safer than other cleaning alternatives because there are no harmful chemicals or residues left behind. Additionally, each time the light is turned on there is tracking software activated for full accountability and record of usage.

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What is your treatment process?

Before treatment begins, we visit your establishment and collect measurements of your space. Once we confirm the size of your facility, we will send a Spectrum-UVGI technician to perform the disinfection. The treatment will consist of the following:

- » First, we prepare the facility with a disinfectant cleaner by way of an electrostatic sprayer on surfaces that are obstructed.
- » Next, our UVGI machines are turned on to treat the designated area (time varies based on sq ft).
- » The disinfected environment is immediately available after treatment; typically 10 min.

Note, surfaces in your facility should be wiped down before our technician arrives to perform the treatment.

The treatment time varies on size of the space but typically for facilities under 5,000 square feet the treatment will last one hour or less in length. The moment the UV-C light emitter is turned off you are able to re-enter the space.

Why Spectrum-UVGI?

We're experts in providing efficient disinfection services using UVGI treatments. We also spend the time to understand the nuances of your business operations, to help keep people safe and to help reduce the impact of any future pandemics.

Our pricing starts at \$0.25 per square foot. Given that environmental safety needs to be maintained we typically arrange ongoing treatments on a quarterly or annual basis.

ISO 13485 Certified. Compliant with the CDC. Regulated by the FCC. Registered with the EPA. Registered with the FDA.

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