



Solutions for a Cleaner Environment

Helping to Keep Our Community Healthy

New & Available to You:

C4UV Disinfection Cart

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

C4UV Disinfection Cart

Disinfect Your Space Efficiently & Intelligently

Simplify your disinfection routine with this modular, UV-C disinfection cart.

This device can disinfect a 36'x36' room in less than 20 minutes and a 12'x12' room in as little as 8 minutes.

Position in a room or large space for quick and effective air and surface disinfection, while operating from a remote controlled tablet.

The cart can break into quadrants for placement in various locations throughout

a room or space for more thorough disinfection. And intelligent controls allow for usage data to be reported and viewed via the web. Additionally, built-in motion sensors turn off the device for automated safety controls.



SPECIFICATIONS

Height: 74"
Width: 25"
Depth: 25"
Weight: 160 lbs
Duty: Continuous*
Power: 110 60hz, 13 Amps

BEST USE CASE

- Small-Medium Sized Rooms
- School/University Classrooms
- Hotel Rooms
- Bathrooms
- Hospital Operating Rooms
- Doctor/Patient Exam Rooms
- Office/conference/cubicle spaces

*No charging necessary

DISINFECTION TIME

- 6' x 6' — 5 minutes
- 12' x 12' — 8 minutes
- 24 x 24' — 10 minutes
- 30' x 30' — 12-15 minutes
- 36' x 36' — 18-20 minutes
- 40' x 40' — 20-25 minutes

FEATURES

- Can be run as one unit or separated into 4 modules to maximize disinfection processes
- 4 Powerful 300 watt UV-C Germicidal bulbs
- High quality locking casters for ease of transport
- Cloud-Based Reporting Tools
- Remotely controlled (tablet, smart phone, etc.)
- Sensor based safety shut off
- SST patent pending regarding the Modular/ Tethered Feature
- 99.999% Room Disinfection



www.alco-chem.com

North: 45 N. Summit St. | Akron, OH 44308 | P: 330.253.3535 | 1.800.589.ALCO | F: 330.253.9219
South: 1303 Park Ave. SW | Canton, OH 44706 | P: 330.833.8551 | 1.800.437.5248 | F: 330.833.0011