

Kill viruses & pathogens with BioShift® UV-C systems

once® a Signify company

BioShift® Pass-Through UV-C Chambers

Sterilise

- Footwear
- Mobile phones
- Personal belongings
- Devices
- Tools

Features:

- Kills viruses in 5 minutes
- Easy to use one button operation
- 4 trays for high traffic entrance
- Heavy duty and hygienic stainless steel construction
- Maximises Bio-security protocols
- High powered & reliable



BioShift® Pass-Through UV-C Chamber - Small



BioShift® Pass-Through UV-C Chamber - Large

Guarantee Bio-security Compliance

The BioShift® Pass-Through UV-C Chamber is a vital tool to use alongside established bio-security protocols. It is designed to fix key vulnerabilities within healthcare and industrial facilities, while enhancing protocols by killing viruses and other pathogens in a recommended time of 5 minutes, before they can enter your facility.

Effective

The BioShift® chamber uses ultraviolet C (UV-C) germicidal radiation, which provides a cost-effective and immediate way of deactivating the DNA in bacteria and viruses by destroying their ability to multiply and cause disease. There are two factors that directly influence the effectiveness of UV-C disinfection: time of exposure and light intensity. The amount of time UV-C is exposed to any given pathogen is proportional to the rate of elimination.

Fast

Testing by a recognised laboratory specialising in antimicrobial, biocidal and virocidal effectiveness showed that exposure of UV-C radiation in the BioShift® chamber for five minutes resulted in elimination of >99.99% of common viruses.

Adapts to Your Facility

The BioShift® chamber is available in two sizes. The large chamber is made with four trays and is great for facilities or entrances with a higher volume of people coming and going every single day.

The small chamber is perfect for individual use and limiting the import of pathogens through everyday items like mobile phones, footwear, devices and tools.

BioShift® Pass-Through UV-C Chamber Specifications

| | Small Chamber | Large Chamber |
|-------------------------------|---|---|
| Input Voltage | 110-240V / 50/60 HZ | 110-240V / 50/60 HZ |
| Operating Power / Current | 80W / 670 mA | 520W / 5.20 A |
| Standby Power / Current | 7W / 100 mA | 20W / 300mA |
| Germicidal Bulbs / Lamps | 20W (4 UV-C lamps) | 40W (18 UV-C lamps) |
| Outside Mechanical Dimensions | 29.5 L x 23 W x 23.6 H inches (750 L x 584 W x 600 H mm) | 44.1 L x 21.1 W x 66.7 H inches (1119 L x 535 W x 1695 H mm) |
| Inside Mechanical Dimensions | 20.9 L x 19.5 W x 19.5 H inches (530 L x 495 W x 495 H mm) | 30 L x 46.5 W x 72 H inches (762 L x 1180 W x 1828 H mm) |
| Weight | 110 lbs. (50 kg) | 397 lbs. (180 kg) |
| Timer Setting | 59 minutes, 59 seconds | |
| Output | 254 nm UV-C | |
| Initial minimum irradiance | 250 mJ/cm ² (300 seconds, cold start) | |
| Operating | 65°F (18°C) to 105°F (40.5°C) temperature, 10–95% humidity | |
| Storage | -20°F (-28°C) to 140°F (60°C) temperature, 10–95% humidity | |
| Rating | IP Rating 50 equivalent | |

Ordering Information

| | SKU |
|---|---------|
| BioShift® Pass-Through Small Chamber <i>Single Tray Unit</i> | 24-0200 |
| Replacement Lamp 20W <i>Small Chamber</i> | 26-0053 |
| BioShift® Pass-Through Large Chamber <i>Four Tray Unit</i> | 24-0201 |
| Replacement Lamp 40W <i>Large Chamber</i> | 26-0055 |
| Replacement Ballast | 26-0052 |

How it works

There are two factors that directly influence the effectiveness of UV-C disinfection: time of exposure and UV-C radiance (intensity). Testing by a nationally recognised laboratory specialising in antimicrobial, biocidal and viricidal effectiveness showed that **five minutes** of exposure to UV-C radiation in the BioShift® chamber resulted in the elimination of >99.99% of common viruses and bacteria.

The table below shows the effectiveness of a typical five-minute exposure in the BioShift® chambers and the minimum dose (mJ/cm²) to kill 99.99% of a selected group of bacterias and viruses.*

Typical five-minute exposure in the BioShift® UV-C chamber

| Pathogen | Classification | Critical dose at 4-log disinfection (mJ/cm ²) | Chamber effectiveness in 5-min |
|---|----------------|---|--------------------------------|
| Adenovirus type 15 | Virus | 165 | x |
| Bacillus anthracis spores - Anthrax spores | Bacteria | 93 | x |
| Candida | Fungi | 92 | x |
| Clostridium tetani | Bacteria | 44 | x |
| Salmonella typhimurium | Bacteria | 32 | x |
| Calicivirus feline | Virus | 30 | x |
| Giardia lamblia | Protozoa | 27 | x |
| Porcine Epidemic Diarrhea | Virus | 25 | x |
| Porcine Respiratory and Reproductive Syndrome | Virus | 23 | x |
| Influenza | Virus | 14 | x |
| Staphylococcus aureus | Bacteria | 11 | x |
| Salmonella enteritidis | Bacteria | 11 | x |
| Cryptosporidium parvum | Bacteria | 10 | x |
| Legionella pneumophila | Protozoa | 10 | x |
| Rabies virus | Bacteria | 10 | x |
| Escherichia coli - O157:H7 | Bacteria | 7 | x |
| Campylobacter jejuni | Virus | 5 | x |
| Canine Parvovirus | Virus | 3 | x |
| Bovine Coronavirus (BCV) | Virus | 3 | x |

* For more critical dose data, please contact our technical support at bioshift@ggls.co.uk.