

**BINAY**  
**Model UVSB-9K Professional UVGI Sterilization Safebox Chamber**  
**For decontamination against bacteria and viruses**

***BINAY's UVC Sterilizing Safebox Chamber is a Made-in-India product which deactivates bacteria, viruses and fungi on PPE Masks, Instruments, Mobile Phones, and other devices for Professional use***

This Sterilizing Safebox Chamber uses powerful Ultraviolet-C (UVC) Germicidal Irradiation Technology to kill/ inactivate virii/germs/bacteria/fungi/spores and unicellular pathogens such as plasmodium/amoeba.

Application: Professional Sterilisation equipment for PPE Masks and Instruments, small devices. The product to be decontaminated is to be put inside the UVC Safebox Chamber, and the UVC operation can be switched on through a built-in timer.

The Safebox Chamber comprises of shortwave (253.7nm) ultraviolet tubes for eliminating pathogens. This powerful shortwave 253.7nm UVC quickly inactivates the DNA/RNA of all virii/bacteria/fungii/spores by breaking the Thiamine bases of the pathogen's DNA/RNA, causing permanent damage and thus deactivating the pathogen.



Different pathogens require different levels of UVC energy and time. As such, a timer is provided to achieve up to 6Log deactivation, 99.9999%. The longer the time of UVC activation, the greater the sterilisation level achieved.

The BINAY UVSB-9K Safebox is designed to provide 360-degree exposure to UV Germicidal Irradiation and uses a unique PhotonTrap technology to trap and recycle photons for greater killing power. The Germicidal Irradiation is provided not just from the top, but from all six sides, so as to achieve 360-degree surface coverage for decontamination/sterilisation.

The BINAY UVSB-9K is completely safe. A safety shut-off switch automatically turns the ultraviolet light off when the door is opened. The enclosure itself is UV blocking. The hinged door flips open for easy access to the work area.

**MADE IN INDIA**

**SPECIFICATIONS**

*Technology: High power UVC with Photon Trap Surround Technology*

*External Dimensions: 250mm x 300mm x 357mm nominal*

*Capacity: 20 litres approx.*

*Input Voltage: 230VAC 50Hz*

*Wattage: 60 Watts max.*

*Radiation: UVC 253.7nm*

*UVGI Power: >2mW from top and >2mW from bottom, >1mW from left side, >1mW from right side (measured from centre of cavity)*

*Protection: Automatic UVC shutdown on opening of door*

*Timer: Provided; adjustable from 5 to 15 minutes*

*Insulation Resistance: >5 Megohms*

*Tested for Electrical Safety to 1.5kV*

*Warranty: 1 year*

*All internal wiring is comprised of UVC-resistant cabling (not PVC cable, which can be damaged by UVC)*



**binay opto electronics private ltd.**

27, Panditia Terrace, Calcutta 700029, India  
Telephone: +91 (33) 4006 9875, 2475 0030, 2475 0062

**www.binayLED.com**  
email: info@binayLED.com