Air-Disinfection by Upper Room UVGI
(ultraviolet germicidal irradiation)

From the World Health Organization (WHO), Implementing the WHO Policy on TB Infection Control in Healthcare Facilities, Congregate Settings and Households.

From the Center for Disease Control, Basic Upper-Room Ultraviolet Germicidal Irradiation Guidelines for Healthcare


Technology Overview

Directional UV-C fixtures create a **germicidal zone** in the upper portion of a room, while using mixing fans to recirculate air into the zone for disinfection. Contaminated air is disinfected before other occupants are exposed. **Upper-room UVGI is proven to be highly effective against viruses, bacteria, and fungi.** This system constantly decontaminates a portion of the room’s air, in contrast to portable filters that only decontaminate air passing through the device.

Services Provided

Consulting on system design in context of building layout, objectives and UVGI guidelines.

**System commissioning and 3rd party verification including:**

- Characterization of upper-room germicidal zone to ensure uniform and adequate UV-C irradiation.
- Monitoring air parameters for high germicidal effectiveness.
- Indoor air quality testing of UV-C, ozone, and other byproducts to ensure system objectives are safely achieved.

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