



UV RAKSHAK

TB Rakshak is a UVGI based stand alone system designed to prevent air borne infection against pathogen such as Tuberculosis.

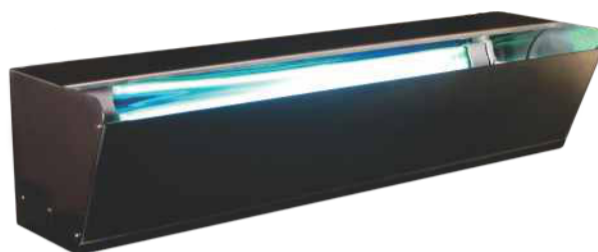
India is unfortunately the country with the highest incidence of TB worldwide. The World Health Organisation (WHO) TB statistics for India for 2015 give an estimated incidence figure of 23% cases of TB for India out of a global incidence.

The estimated TB prevalence figure for 2015 is given as 2.5 million (ref. "Global Tuberculosis Control 2015, WHO, Geneva, 2015 www.who.int/tb/publications/global_report/)

It is estimated that about 40% of the Indian population is infected with TB bacteria, the vast majority of whom have latent TB rather the TB disease.

Solution:

TB - Rakshak is designed and installed to irradiate only air in the upper part of room by installation on the wall near the ceiling. It does not depend on any type of air conditioning or air circulation systems making it usable in almost any type of space.



Salient Features:

- Effective control against secondary air borne infection, including drug resistant pathogens.
- Works 24/7 without affecting occupants of the space.
- Cost effective system.
- Does not require any air conditioning / ventilation system.
- No secondary contaminants are produced.
- Maintenance free system.

100% MAKE IN INDIA product uses made in India germicidal UVC lamps, known for its effectiveness and SS304 housing. Making this one of the most cost effective solutions against for microbes for infection control.



How Does it Work:

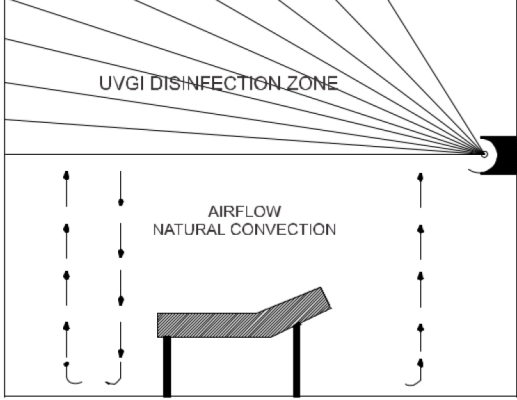
The device consists of a UVC lamp mounted in a specially designed reflector assembly which is mounted on wall to create a UVC beam directed to the ceiling.

The modules are so designed and arranged that the average UVC intensity in the upper room is over 10 micro watt / cm² while it is below 0.2 micro watt/cm² at the eye level.

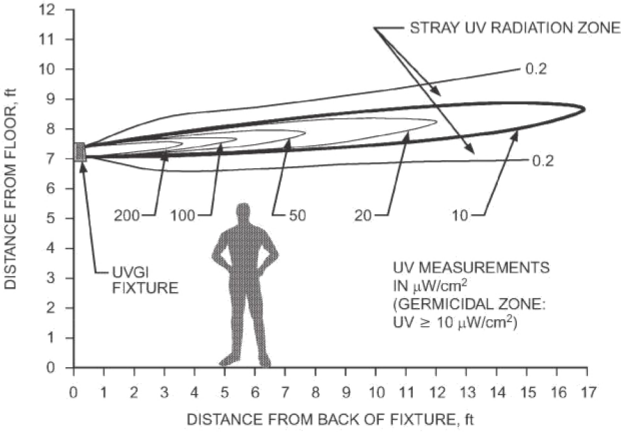
Natural convective currents take microbes to upper level which are effectively eliminated by the germicidal action of UVC. It is very helpful to the patients and even more important to the health care workers.

Application Areas

- Operation Theatre
- ICU ward
- TB ward
- Out Patient Wards



TB Rakshak Installation in a Room



UV Intensity Distribution in a Room with Wall Mounted TB Rakshak



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