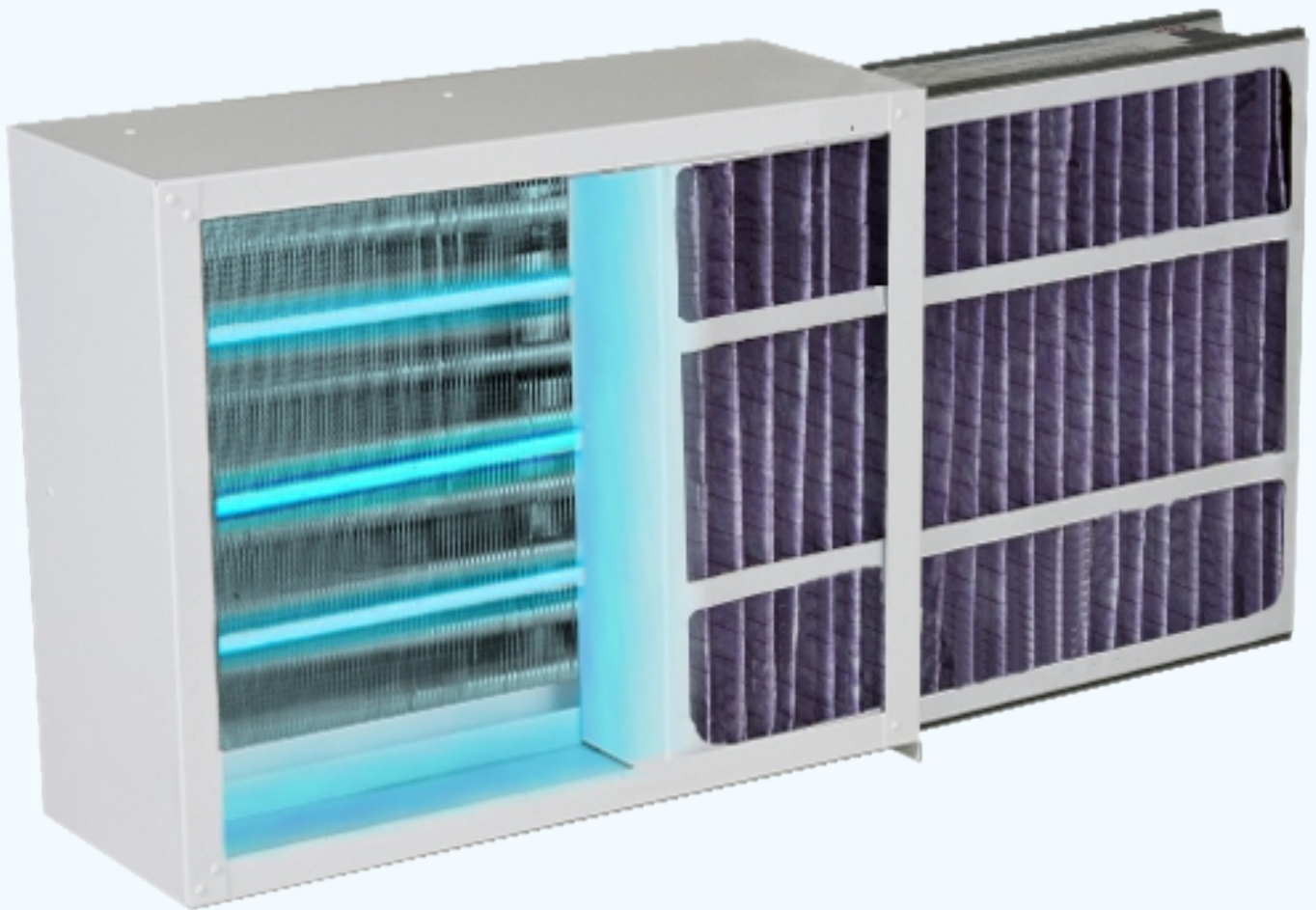


Ultraviolet Technology For Air Purification (AHU)

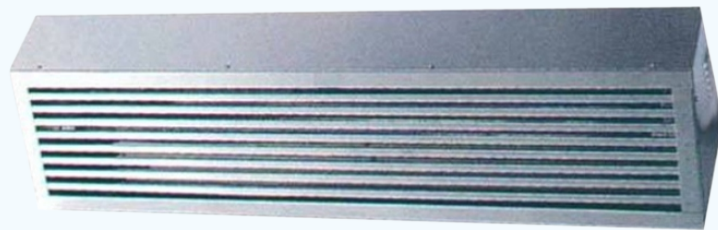


Mfrs. & Exporters of
UV Sterilisation Systems for Air Application

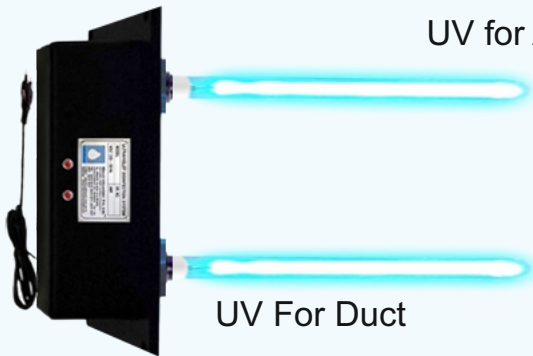
UVC LAMP FOR AIR HANDLING UNIT

Why is UVC Lamp used in AHU ?

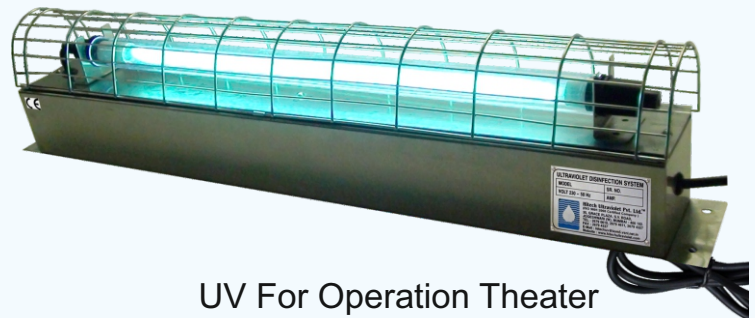
- 💧 UVC Quartz lamp is used with Air Handling Unit for the purification of incoming air.
- 💧 The lamp has highly reflective optical surface to produce highest photometric UVC energy, its efficiency being 90 % to 95%.
- 💧 It destroys the airborne microbes like bacteria, viruses etc. entering the system.
- 💧 It prevents impregnation of dust particles, moisture etc. from the cooling coil, thus preventing the mould formation on the coil.
- 💧 It reduces power consumption and makes maintenance easy.



UV for Air Handling Unit-AHU



UV For Duct



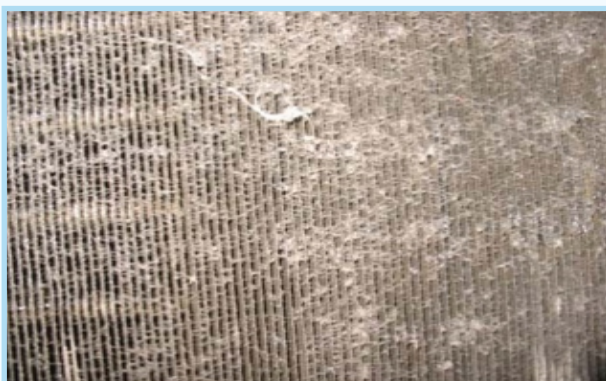
UV For Operation Theater

WORKING OF THE UVC LAMP

When the UV lamp works, its rays target the DNA of microorganisms thus destroying their cells and causing replication impossible. UVC energy, when directed at cooling coil or drain pan, destroys the surface layer of moulds that grow in moist conditions.

It also destroys airborne viruses and bacteria circulating through an HVAC (Heating Ventilation & Air Conditioning) system.

Coil Before UV Application



Coil After UV Application

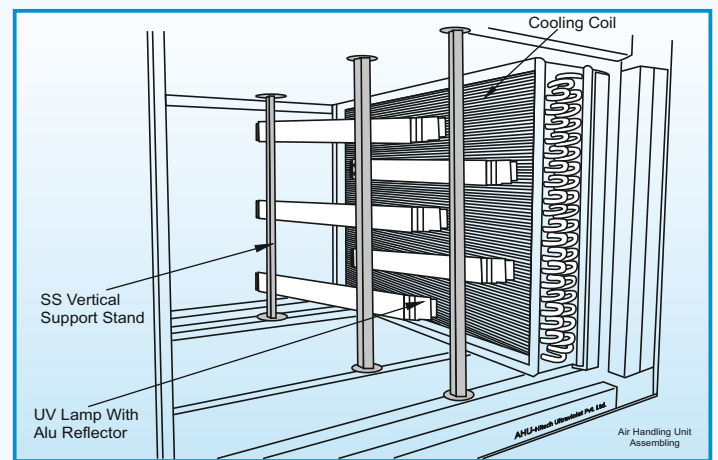
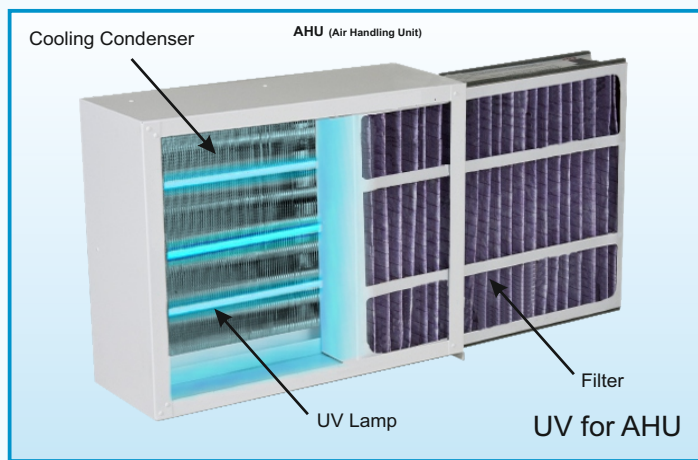


MAINTENANCE SAVINGS

Chemical cleaning or pressure washing of coils can be greatly reduced or even eliminated by applying UVC. Thus the system reduces inconvenience and discomfort caused to the occupants. The exposure of workers for cleaning chemicals also can be eliminated.

HOW CAN THE POWER CONSUMPTION BE REDUCED?

It is proved that even a very thin layer of moulds on a coil can increase the energy consumption to a large extent. UVC cleans the coils continuously to eliminate it more effectively than conventional cleaning methods.



SPECIFICATIONS :

- High uniform UVC dose used on cooling coil.
- Penetrates deep down the rows for effective killing of bacteria.
- Lamp protected with protective sheet.
- Prevents moisture impregnation from cooling coil.
- Sustains uniform temperature on the lamp.
- Allows optimum lamp performance.
- Prevents dust and particulate matter getting accumulated on the lamp.
- All installation materials ensure highest standard of materials.
- Improves heat transfer efficiency of cooling coil.
- Lamp replacement easy.
- All parts and components UL/CE listed.
- Reduces microbial and endotoxin concentration by 99 %.

APPLICATIONS :

- | | | | |
|-------------|----------------------------|----------|------------|
| • Schools | • Pharmaceutical Factories | • Hotels | • Airports |
| • Hospitals | • Industrial Plants | • Malls | • Offices |