

HYGIENE AIR HANDLING UNITS

for Health Care Facility



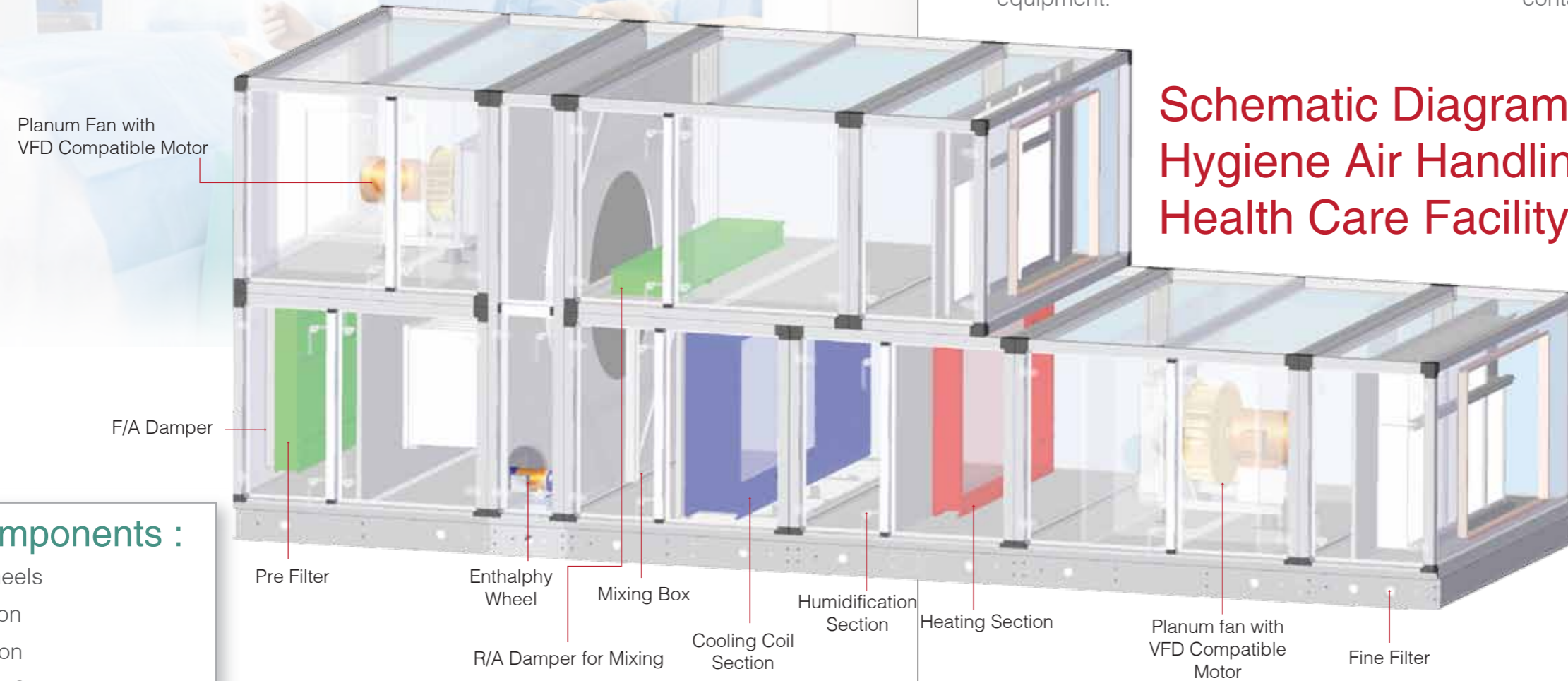


WHY HYGIENE IS IMPORTANT IN OT / HEALTH CARE ?

OT is an important part of any Hospital facility. For many patients despite the brief amount of time generally spend in an Operation Theater (OT) this is an environment that plays a great role in the onset and spread of infections. Infections are caused by various contaminants with main source are for air, indoor environment, infected body fluid, patients article or equipment.

Only routine microbiological monitoring is not enough, every hospital should have give proper attention to airconditioning, ventilation & filtration system so as to keep the air environment clean & safe for patients. The the role of HVAC is further very challenging in ultra clean Ots, used for procedures such as Organ Transplant, Orthoedic Surgery, Neurosurgery etc. where bacterial contamination is relatively more critical.

Schematic Diagram for Hygiene Air Handling Units for Health Care Facility



Major Components :

- Enthalphy Wheels
- Cooling Section
- Heating Section
- Humidification Section

Options :

- Inner SS Casing
- UV Light Section
- VFD
- Hepa Filter
- Refrigeration on Board (Condensing Unit)

SOLUTION

- ✦ DRI OT AHU's provides a guaranteed safe in-viornment in the OT. Its fulfills the parameter of NAHB guidelines and provide clean air & safe environment.
- ✦ DRI OT AHU's are ensures the right air quality as per international standards used word Over, the recover energy from exhaust air, resulting in considerable reduction in installed tonnage and tility bills. They also assist in enhancing the Indoor Air Quality (IAQ), maintain ing desired temperature and humidity and increased productivity.

Controls

On board/remote, following functions are available

- Temperature Control
- Humidity Control
- VFD (for Constant Air Volume)
- Controls on Board like: Weekly schedule/night mode.
- Electrical boards: The electrical board is fitted with a mains supply switch and has all the components necessary for the full functioning of unit without trouble.
- Variable frequency driven fans
- Control Panel: The electrical board supplied with the OT AHUs air-conditioners provide necessary isolation against harmonic and electromagnetic disturbance. It is manufactured to comply with all the protections required by the current standards.



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