



AARKAYS AIR EQUIPMENT PVT LTD

(An ISO 9001:2015 & CE Certified Company)

E-6, SECTOR-7, NOIDA(U.P)

INDIA

OPERATION AND MAINTENANCE MANUAL

MAINTENANCE MANUAL INSTRUCTION

MAINTENANCE

In general air handling unit do not require special attention other than routine cleaning and maintenance work. Following is the recommended schedule of maintenance, when units operate at normal conditions. However actual conditions of use/operation will dictate the interval of checking/replacement of the filters, belts etc.

ONCE IN A WEEK

- Check filter condition at weekly intervals. Clean, wash or renew/replace if necessary.

ONCE IN A MONTH

- Check fan belt tension and adjust if necessary.
- Check the condition of Cooling Coil and Drain tray.
- Check the condition of drain for free flow.
- Check the condition of access door hinges and lubricate if necessary.

ONCE IN SIX MONTHS

- Check fan and motor bearings.



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ONCE IN A YEAR (PREFERABLY AT THE START OF SEASON)

- Check the operation of dampers and grilles in your ducted system..
- Check the filter frame for proper sealing.
- Check the access doors for easy operation and proper locking.
- Check the controls and operation of Electrical panels installed.
- Check motor and fan bearing lubrication.
- Replace belts if required.
- Check all wiring, controls, isolating devices, terminal connections etc.

CLEANING OF DOUBLED SKIN PANELS

All panels are double skinned and they can be easily detached from the framework by removing screw with simple hand tools. They can be cleaned. However it must be ensured that they are completely dry prior to refixing. Do not drop any heavy weights or sharp edge tools etc. It might damage the plasticised finish or puncture the panels.



Optimum cooling solutions

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OPERATION MANUAL INSTRUCTION

- 1)** ENSURE THREE PHASE SUPPLY VOLTAGE 415 +/- 5 %. DO NOT OPERATE BELOW 380 VOLTS ON ALL THE THREE PHASES
- 2)** SWITCH ON MAIN MCCB on Control panel in SUB STATION.
- 3)** FOR BLOWER MOTOR : Press Green push button of Motor Starter. Blower will pick up speed gradually.
- 4)** FOR STOPPING OF AIR HANDLING UNIT PLANT : Switch of all MCB's and starters.