



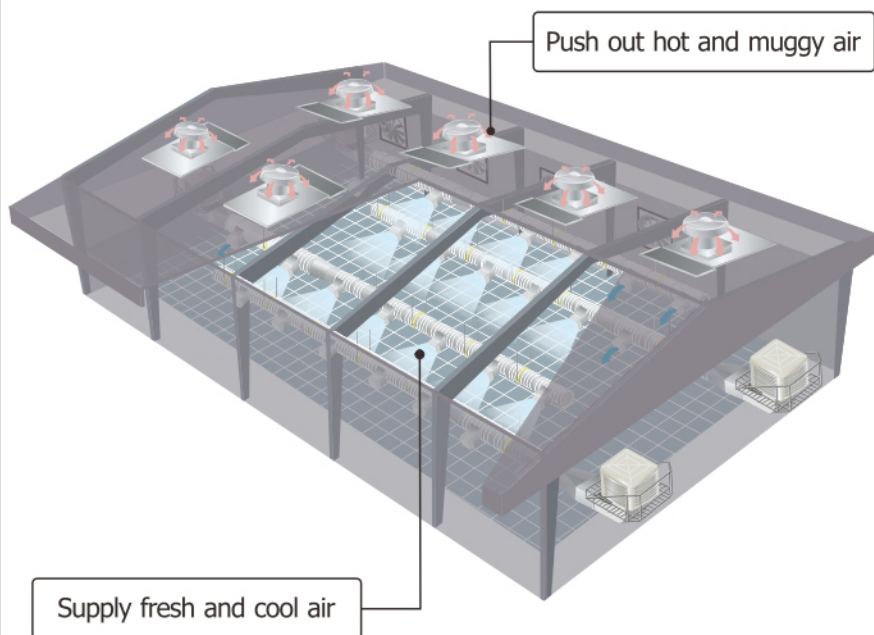
Open Cooling System Quick Guide



Thank you for choosing Excelair Evaporative Ventilator

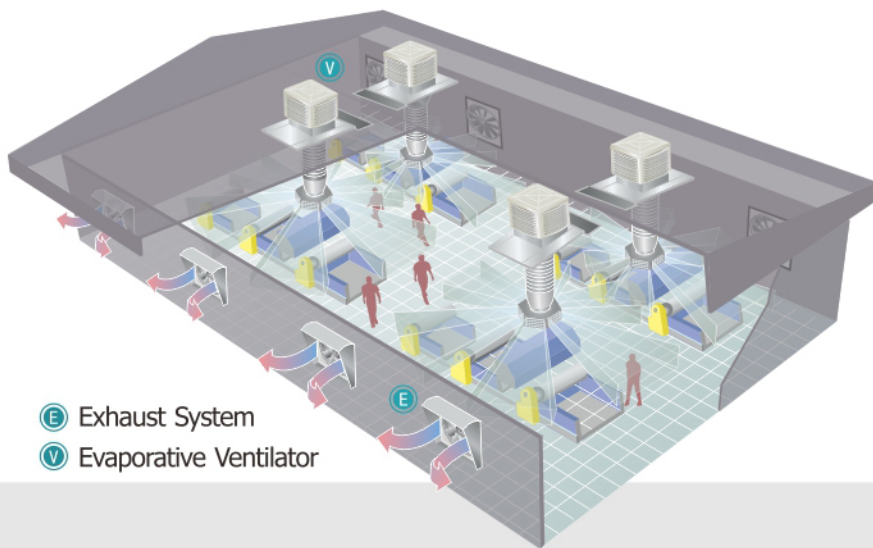
To guarantee the best cooling effect
proper design of exhaust air system
matching the supply air system
Can result in effective internal air flow

Application case of Evaporative Ventilator



Principle of Evaporative Cooling System

► Open Space Cooling System



ⓔ Exhaust System

Ⓥ Evaporative Ventilator

1. Start-up evaporative air cooler, supplying the cool and fresh air to the workshops
2. Combined with exhaust system, push out the hot and muggy air
3. Open space cooling system provides effective cooling



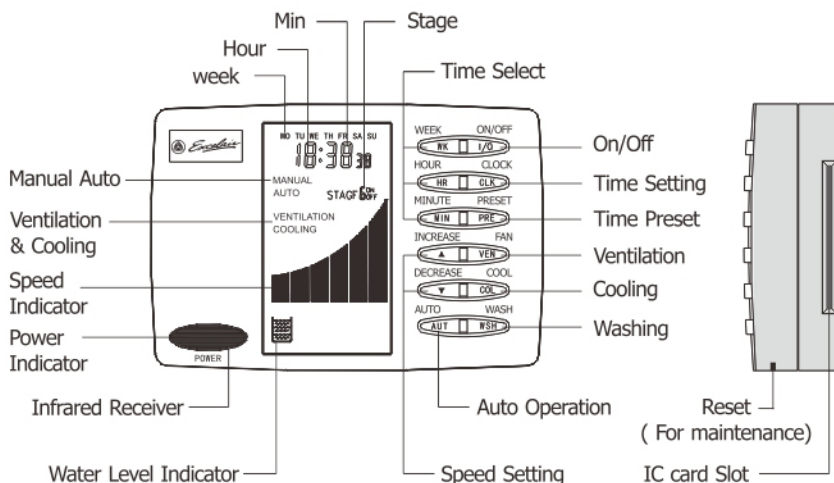
**Mandatory
Requirement**

- When the evaporative air cooler operate, must choose "COOLING" mode

As "Ventilation" mode will lose cooling and filtration functions. continuously brings in large volume of hot and muggy air into the workshops. Under "Cool" code, filter pad can filter 10um dust and filtration efficiency reach 80%

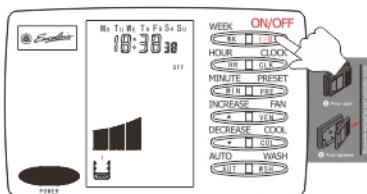
- Ensure all the exhaust fan at a stage of start-up

► Wall Controller Display

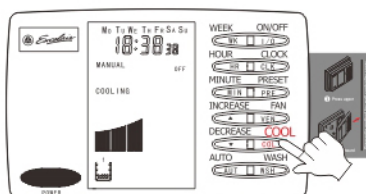


Operation Instruction

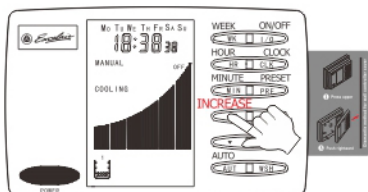
1. Insert IC card and press ON/OFF once, the ventilator number is indicated on the display.



2. Press COOL once to select cooling function.



3. Press "Speed" to select desired fan speed.



■ Notice

When operation, the airflow will speed up gradually. It takes at least 15min before setting speed. This process can make the cooling pad wet completely and achieve better cooling effect.

Notice



Notice

■ Key to Daily Maintenance

● Check the power supply

1. Ensure the power supply must be within AC 220V+5%, special attention to high voltage happens in late night
2. Ensure Power Current is 5.7A (If over current, cooling pad need to wash timely)

● Check the water supply

1. Remove any blockage
2. Check both inlet and outlet valve
3. Ensure the water pressure keep within 1.5~3 kgf/cm²
4. Ensure no dirty things influence the operation of water pump and water level sensor



Daily Maintenance

■ Timely clean the cooling pad and filter pad

For the mainly maintenance, you can clean the cooling filter pad once a month., and extra inner filter pad once a week. (For ventilator equipped with extra filter), it can guarantee the cooling effect and extend the service life of cooling pad, reduce air resistance and ensure best supply fresh air. In this way, it can reduce the load of motor and save energy.



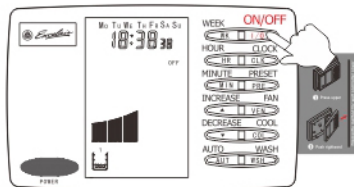
CAUTIONS

■ Evaporative ventilator close properly

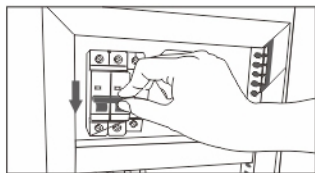
Before cutting off the power supply, please ensure normal shut down the ventilator. (Press ON/OFF). After shutting down the ventilator, allow the equipment to undergo 10 minutes of automatic washing procedure before cutting off the power supply.

Process of Cleaning the Cooling pad and Filter Pad

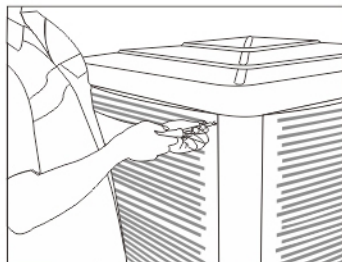
1. Shut down the ventilator.



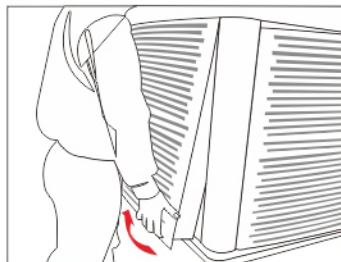
2. Disconnect the ventilator power supply.



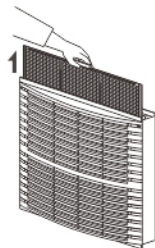
3. Remove the screws off the filter pad.



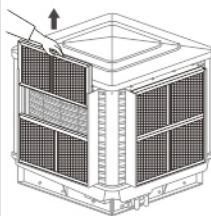
4. Upwards the cooling pad about 3cm, then pull the base of the pad to detach it from the ventilator



5. Remove the filter pad (inner and external)

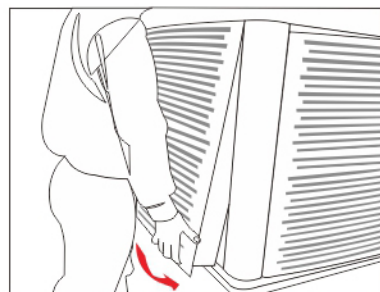


Dismantle
Extra inner filter pad

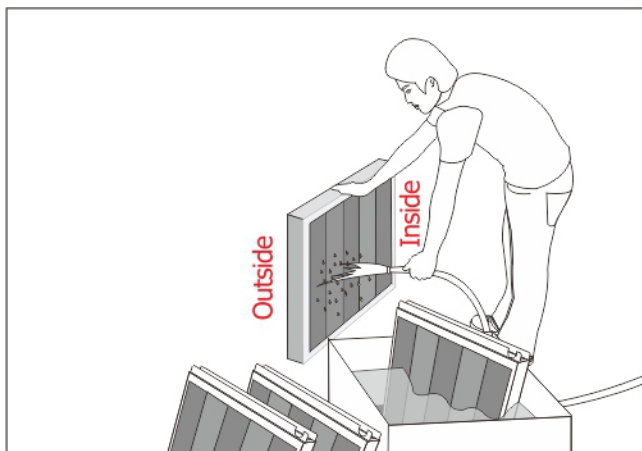


Dismantle
External filter pad

6. Reinstall the clean cooling pad and filter pad

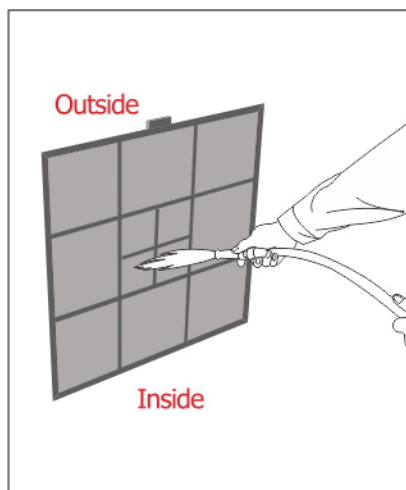


Cleaning the Cooling Pad

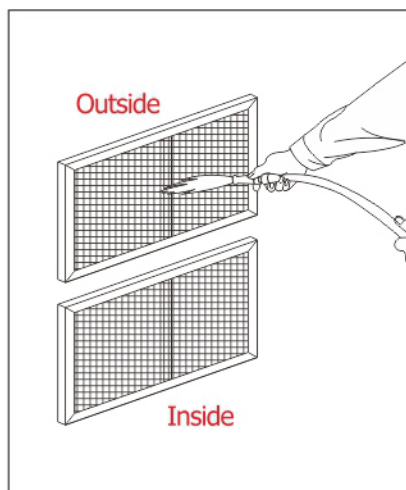


Before cleaning the cooling pad, please soak it into water for at least 15 min. During cleaning, do not allow the use of high-pressure water jet, the flushing direction should be from inside to outside

Cleaning the Inner Filter Pad



Cleaning the External Filter Pad



During cleaning, do not allow the use of high-pressure water jet, the flushing direction should be from inside to outside

If the remote controller fail to output signal or the LCD no time display. please replace the battery in time.

Remark: Must use the triple A battery (no mercury leak).

If use other batteries, when the batteries use up, it will leak and caused other components damaged.

The contents mentioned in this guide just simple steps for evaporative ventilator daily maintenance. If there is something unclean, please refer to the users' manual or CD for more details. You can also contact us for help.

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