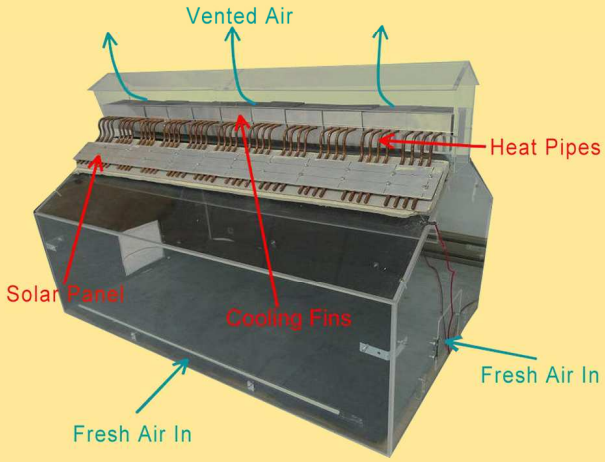
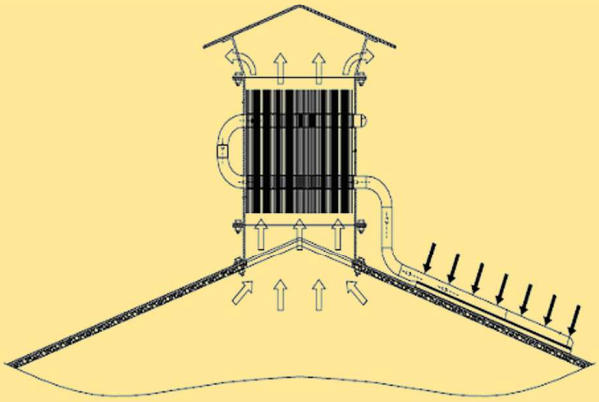
Solar Ventilation Device

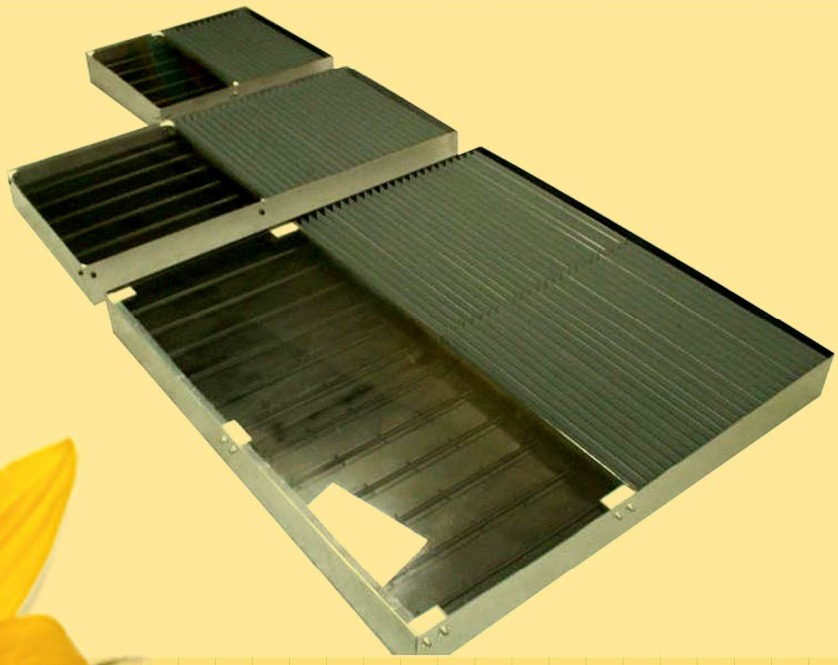
Use solar thermal energy to drive air flow and achieve cooling effect (summer time) or heating effect (winter time). Use the super high conduction property of heat pipe to transport 2-D solar radiation into 3-D heat exchange, and thus to active air flow for ventilation.





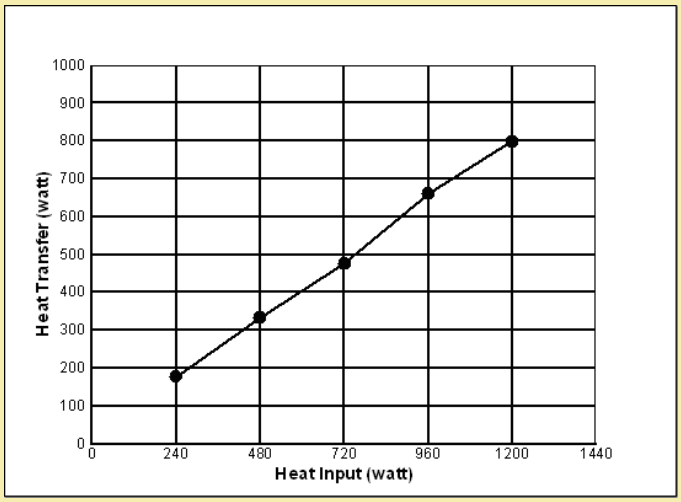
Features:

- Forced convection through solar radiation
- No extra power required
- Vented warm air can be re-directed into the room for heating
- The hotter the day, the better ventilation effect
- Low cost
- Application: Factory, house, green house, buildings
- No noise, no maintenance required



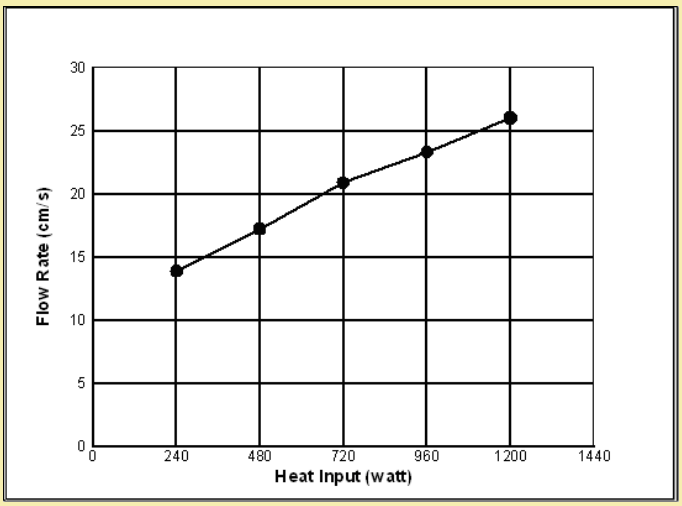
Ventilator Modules

Hear Removal



Heat removal is proportional to the solar radiation.

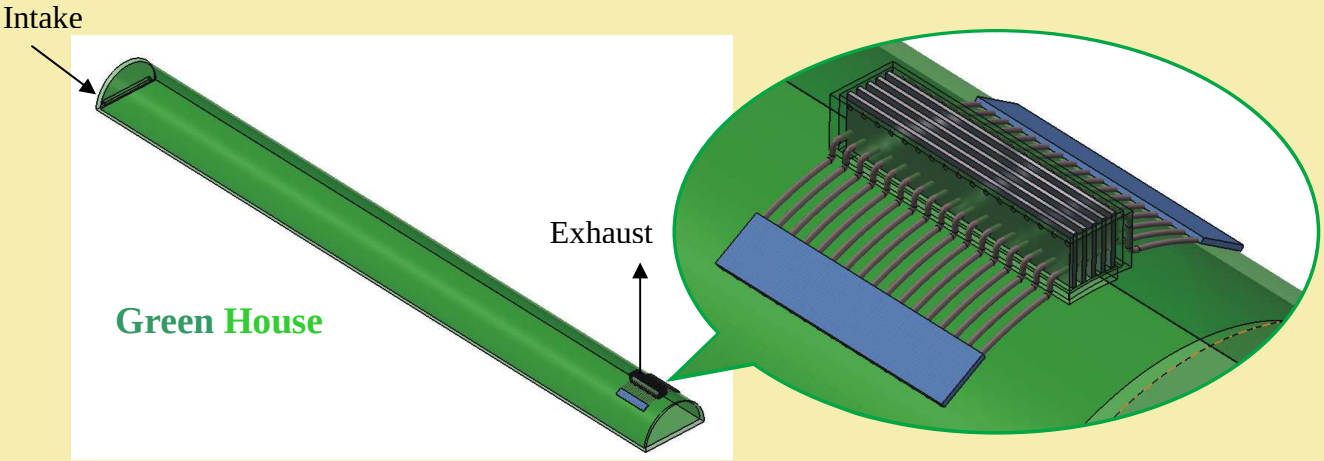
Flow Rate of Ventilated Air

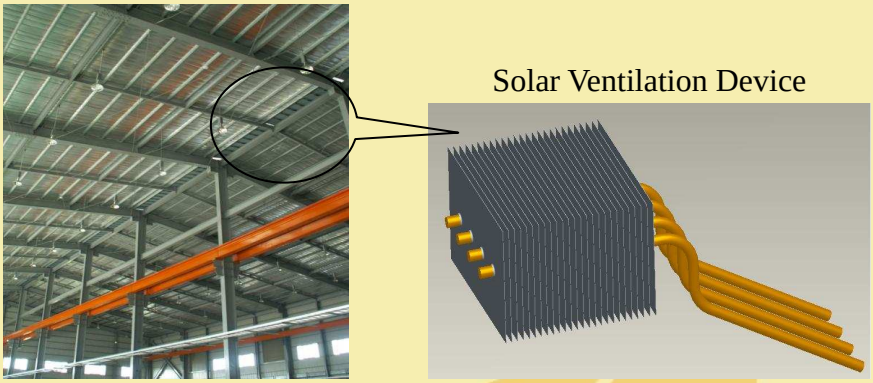


Ventilation Capability: 15m^3/min per square meter ventilation area.

Applications:

Solar radiation absorbed by sheet metal on rooftop. The heat transports to the remote cooling fins and heat up the air. Floating air vents from the roof top, and cool air from outdoor enters the building from windows and doors.





Factory

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