

Solar Collector

- It is used to collect the solar energy & convert this energy into the thermal energy by absorbing the energy.
- The thermal energy is further used for heating a collector fluid such as water, oil & air.
- Solar collector surface is design for by absorption & low emission.

Two type solar collector

- Non Concentrating Collector
- Concentrating Collector

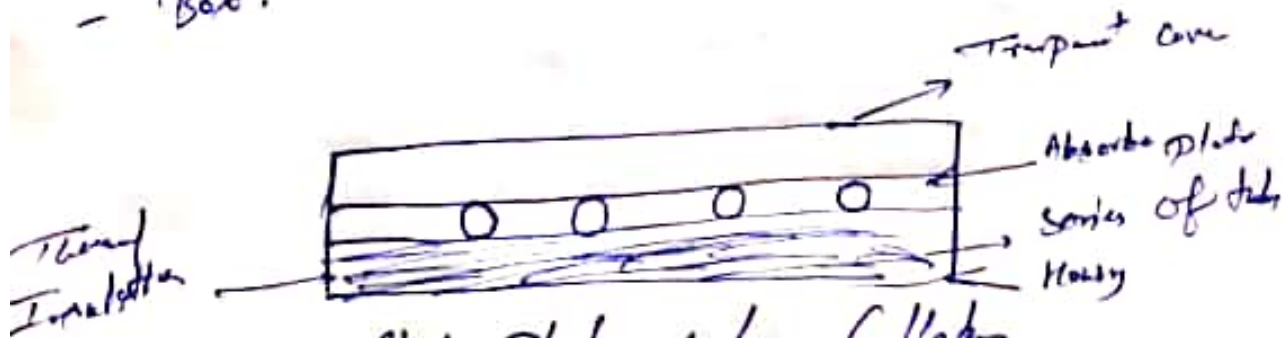
Flat Plate Collector

It is a simple design of flat plate. It is most important part of the.

- In the collector both direct & diff. radiate are absorbed & converted into useful heat.

Component -

- Absorber plate
- Transparent cover
- Insulation
- Box.



Flat Plate Solar Collector