

Ans-1 A flat plate collector is a metal box with a glass or plastic cover (called glazing on top & a dark coloured absorber plate on the bottom. The sides & bottom of the collector are usually insulated to minimize heat loss.

The main use of the technology is in residential buildings where the demand for hot water has a large impact on energy bills. This generally means a situation with a large family, or a situation in which the hot water demand is excessive due to frequent laundry washing.