

Solar Hot Water

The most common collector for residential use is called a **flat plate collector**. The collector is usually mounted on the roof of the home. It is a thin, flat box that is covered with tempered glass. There is an absorber plate in the box that absorbs heat from the sun.

Solar hot water systems use a **heat transfer fluid** that runs through a closed system of tubes in the collector. A **pump** moves the fluid between the solar collector and heat exchanger coils in an insulated, solar hot water **storage tank**.

Once the heat transfer fluid heats the water in the storage tank, the domestic hot water line runs through the storage tank pre-heating water before it enters the traditional gas-fired **domestic hot water heater** where it then can be distributed throughout your home.

