

## Modern heating system

Diagram shows modern solar water heating system of contemporary home.

It's a rather complex system that is actually comprised of two: the outside one, exposed to sun radiation that actually warms up the water, and the other, domestic water system that uses captured heat.

to heat water special solar panels are used, which are fed by water pump in a pull configuration. Water inside this system is mixed with special anti-freeze mixture to prevent damage to system from water expansion. As an additional layer of protection a check valve is put in place to allow drainage if need arises.

This outside system is indirectly connected to the inner one via coil. As cold water from the house is heated hot water reaches the top allowing easy domestic use.

The system is designed for efficiency as well as ease of use.

~143 words

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