

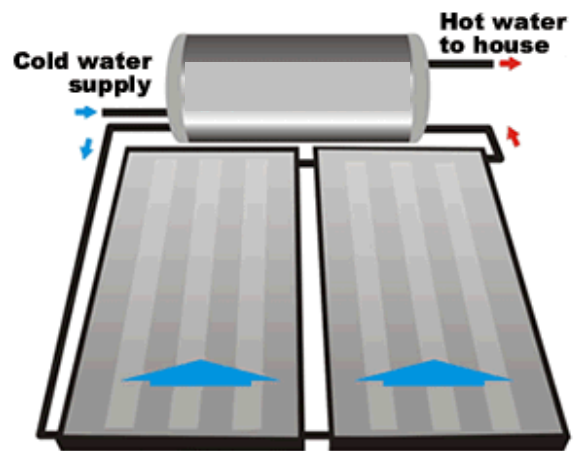
SOLAR WATER HEATERS

WHAT.....?

- Solar water heating system comprises of a hot water **storage tank** and solar heat **collector/panels**.
- Designed to heat water to 65°C, as is the case with any standard electrical storage tank
- 50 litres of hot water per day is enough for an average family if used carefully
- The hot water collected in the tank is best used at one time of the day

WHEN.....?

- A solar system requires a full day of sun to heat all the water
- If it is a rainy or very overcast day, little heat will be gained from the sun, resulting in very low water temperature
- You will continue to have hot water in winter because the solar energy comes from the sun's radiation and not from direct heat



Theory of Solar Heated Water

WHY.....?

- There is little maintenance for the solar system, but it should be washed if it becomes very dirty
- There is no cost for heating water after you buy the solar water heater
- Designed to last 20 years or more

COST.....?

- Cost of 50 litre solar water heater = R3,000
- **Demo cost = R65/month**
- **Demo cost of 2 systems = R130/month**



HOW.....?

- Use most of the water in one go - shower or bath one after the other either in the evening or in the morning
- Hot water circulates between the collectors and the tank while the sun is out and is stored at the end of the day in an insulated storage tank