

Kwiksol

SOLAR WATER HEATING

DIRECT

SYSTEM FOR FROST-FREE LOCATIONS



EFFICIENT USE OF NATURAL
SOLAR ENERGY FROM THE

SUN

DOMESTIC SOLAR WATER HEATERS WITH SOLAR COLLECTOR PANELS



Solar Water Heaters - Close Coupled & Split - Direct System

direct system

The direct system is used in frost-free locations, where the ambient temperature never falls below 5°C and where the water quality is good (less than 600ppm Total Dissolved Solids/Minerals). The system is used with one or two Solar Collector Panels dependant on the capacity of the Solar tank.

The direct system, is where the water to be used in the household (hot water) circulates through the solar collector panels, transferring solar energy into the storage tank of the solar water heater.

The direct system can be installed as a Split System (pumped or thermosyphoned circulation methods), where the solar water heater is installed inside the roof or away from the solar collector panels or installed as a Close Coupled System (thermosyphon circulation), where the solar water heater is installed outside on the roof and above or higher than the solar collector panels (see section Circulation Methods).

solar water heater product features

- The Kwikot Kwiksol Solar Water Heater Direct System complies with SANS 1307, is SABS **400kPa** approved and can be used as a close coupled system or split system.
- The inner cylinder is manufactured from enamel quality steel and is thermofused porcelain enamelled for corrosion protection and hygiene.
- Polyurethane insulation between the inner cylinder and outer casement reduces energy and heat loss, resulting in the Solar Water Heaters being B Rated Energy Efficient.
- 2 x aluminium sacrificial anodes are fitted for corrosion protection.
- The solar water heater is designed for domestic hot water application in conjunction with one or more solar collector panels. The Solar Water Heater is fitted with an isolator switch (IPX4 rated).
- The two extra water connections required for connecting the solar collector panels and the booster element, ensures that the solar water heater can be used as a conventional electric water heater and as a solar water heater.
- The solar water heater thermostat will automatic