



powered by **Haier**



Kwiksol Direct

Solar Thermal Water Heating

Everyday

Solar Thermal Water Heating

Kwiksol Direct 100L

Frost and frost free locations

SOL-100-EF



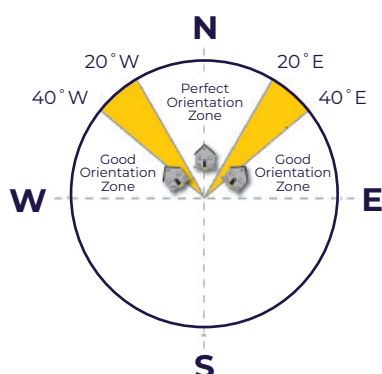
Optional flat roof frame



Copper tube with thermal pipe lagging and silicone



Water heater feet can be moved up to 30° angle



Features

- IPX4 rated
- Frost resistant silicone inserts
- Complies with SANS 1307
- 400kPa Approved
- Electrical backup
- B-rated energy efficient
- Complete solar system

Direct Solar Benefits

- This particular direct system is for all climate conditions.
- Major saving on water heating costs.
- Natural solar energy from the sun.
- Environmentally friendly.

Installation Data

To be installed in compliance with SANS 10106. When installed inside the roof, in compliance with SANS 10106 and SANS 10254.

Anode Servicing

Total Dissolved Solids

(Parts Per Million)

100 - 600

601 - 1000

Over 1000

Recommended Anode Replacement

3 Years

2 Years

1 Year

Roof Location and Pitch

- Solar tubes to face north and not to deviate more than 45 degrees.
- The location should not be subject to excessive shading.
- Roof pitch to be between 8 degrees and 30 degrees.
- Careful inspection must be carried out to ensure that the roof can support the weight of the entire solar installation system.

Product Specifications

	Kwiksol Complete Solar System SOL-100-EF	Kwiksol Complete Solar System SOL-150-EF	Kwiksol Complete Solar System SOL-200-EF	Kwiksol Complete Solar System SOL-300-EF
Direct Water Heater	SOL-100-DIR-B	SOL-150-DIR-B	SOL-200-DIR-B	SOL-300-DIR-B
Capacity	100L	150L	200L	300L
Element Rating	2kW	3kW	4kW	3kW
Operating Pressure	400kPa	400kPa	400kPa	400kPa
Mass Empty	27kg	37kg	45kg	64kg
Water Connections (BSP Male)	3/4	3/4	3/4	3/4
Water Connections (BSP Female)	3/4	3/4	3/4	3/4
Dimension (L x H)	932 x 543	1320 x 543	1346 x 596	1940 x 630
Vacuum Tubes	2 x SOL-VT-6	1 x SOL-VT-6 + 1 X SOL-VT-10	2 x SOL-VT-10	2 x SOL-VT-10 + 2 X SOL-VT-6
Number of Vacuum Tubes	12	16	20	32
Tube Dimensions (L x H)	1800 x 58	1800 x 58	1800 x 58	1800 x 58
Area required for Manifold	1200 x 2000	1600 x 2000	2000 x 2000	3200 x 2000
Mass Full	41	49	64	98
Manifold Frame	SOL-VTMF-12	SOL-VTMF-16	SOL-VTMF-20	2 x SOL-VTMF-16
S Brackets (2/box)	SOL-BRACKET	SOL-BRACKET	SOL-BRACKET	2 X SOL-BRACKET
Frost R. Pipe Sets. Evt to Water Heater	SOL-100-PS-B	SOL-150-PS-B	SOL-200-PS-B	(N/A) SOL-SI-500 X 2 REQUIRED TO PROTECT THE MANIFOLD
Bracket	SOL-BRCT-UN	SOL-BRCT-UN	SOL-BRCT-UN	SOL-BRCT-300
22mm Vacuum Breakers	2 x KHN4-200CX	2 x KHN4-200CX	2 x KHN4-200CX	2 x KHN4-200CX
400kPa PCV Multi-Valve	KHN3-214	KHN3-214	KHN3-214	KHN3-214
Thermostatic PCV Multi-Valve	KH6-320	KH6-320	KH6-320	KH6-320
7 Day Digital Water Heater Timer 20A	SOL-TIMER-1	SOL-TIMER-1	SOL-TIMER-1	SOL-TIMER-1

Product Warranty

Warranty Period*

Your warranty period starts from the date of installation of the original water heater. To validate your warranty, please provide proof of installation, such as:

- Signed installer's invoice
- Proof of occupancy for a new-build property
- Certificate of Compliance (COC)
- Purchase invoice with client details, product serial number, and code

If proof of installation is unavailable, the warranty period will be based on the date of manufacture as determined by the serial plate.

Warranty Coverage

Kwikot warranties apply only in South Africa, Namibia, Botswana, Eswatini, and Lesotho, subject to compliance with SANS 241 water quality standards.

Repairs & Replacements

- If your water heater is repaired or replaced, the original warranty period remains unchanged.
- Kwikot provides a 2-month extended warranty on electrical components of the replacement unit, provided genuine Kwikot parts are used.
- Original serial plate information will be transferred to the new water heater.
- Components replaced under warranty remain the property of Kwikot.

Installation Responsibility

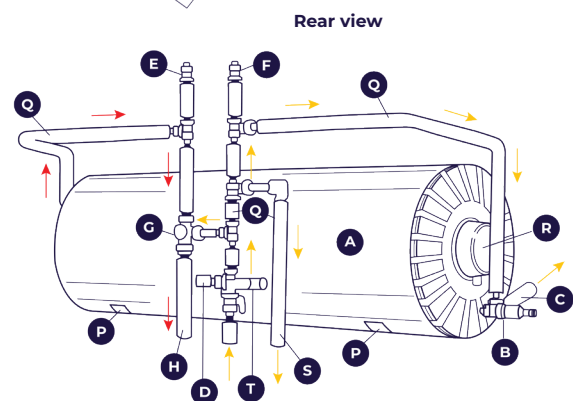
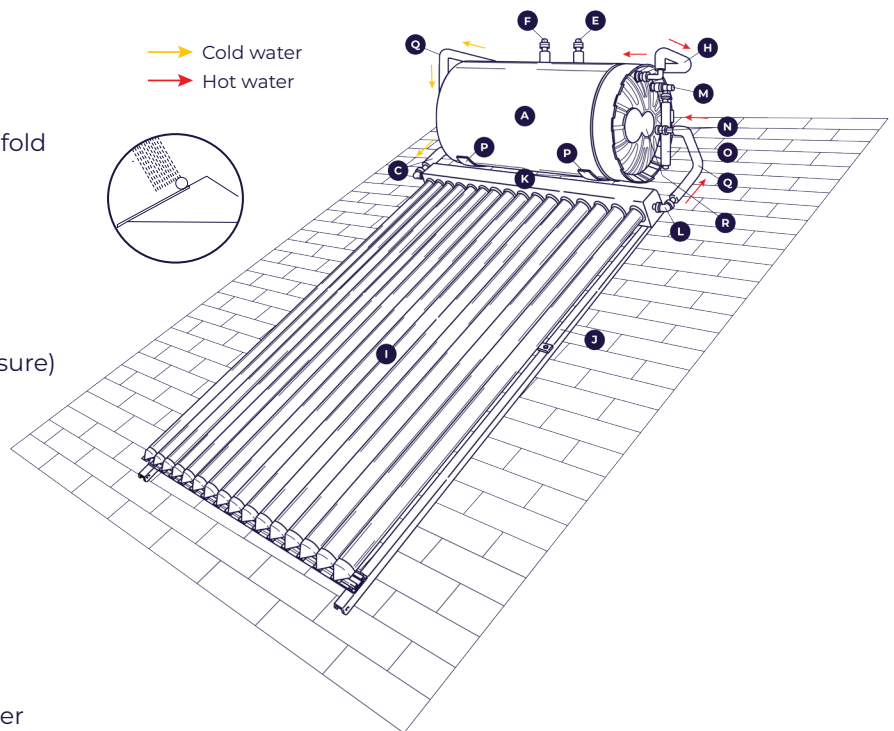
Kwikot does not provide warranties for installation work. Any claims regarding installation must be directed to the installer, who is solely responsible for ensuring compliance. If any installation issues arise, the installer must provide a written report to the end user.

*Refer to website for product warranty periods on parts.

Installation Diagram - Direct Close Coupled Thermosyphon Method

Kwiksol Direct Solar Water Heater (400kPa) - SANS 1307 Installation Compliant

- A. Kwiksol Direct water heater, 400kPa
- B. Drain cock
- C. Cold water feed to vacuum tube manifold
- D. Multi pressure control valve, 400kPa
- E. Vacuum breaker hot side
- F. Vacuum breaker cold side
- G. Thermostatic mixing valve
- H. Hot water feed to taps (balanced pressure)
- I. Solar vacuum tubes
- J. Solar vacuum tube frame
- K. Solar vacuum tube manifold
- L. Hot water feed to solar water heater
- M. Safety valve, 400kPa
- N. Renewable connection
- O. T&P discharge pipe
- P. Pitch roof support for solar water heater
- Q. Thermal pipe lagging (R1 rating)
- R. Electrical cover plate
- S. Cold water feed to taps (balanced pressure)
- T. Expansion overflow



Register Your Kwikot Product Today!

Why Register?

Ensure peace of mind by registering your Kwikot product and enjoy these exclusive benefits:

- **Full Warranty Activation** – Get complete coverage for your product.
- **Stay Informed** – Receive important safety and product updates.
- **Proof of Ownership** – Simplify future service or support requests.

Who Can Register?

- Homeowners who have purchased and installed a Kwikot product
- Licensed plumbers or installers registering on behalf of clients

What You'll Need to Register:

- Installation date
- Product serial number (found on your product)
- Proof of purchase or installation (optional upload)
- Contact details (name, email, phone number)

Scan here to register



KWIKOT

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Need Assistance?

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