



powered by **Haier**

Kwiksol Direct

Solar Thermal Water
Heating

Add warmth to life.



Kwiksol Direct

Solar Thermal Water Heating

Features

Solar Thermal Water Heating

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

Kwiksol Direct 100L

Frost and frost free locations

SOL-100-EF

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.

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.



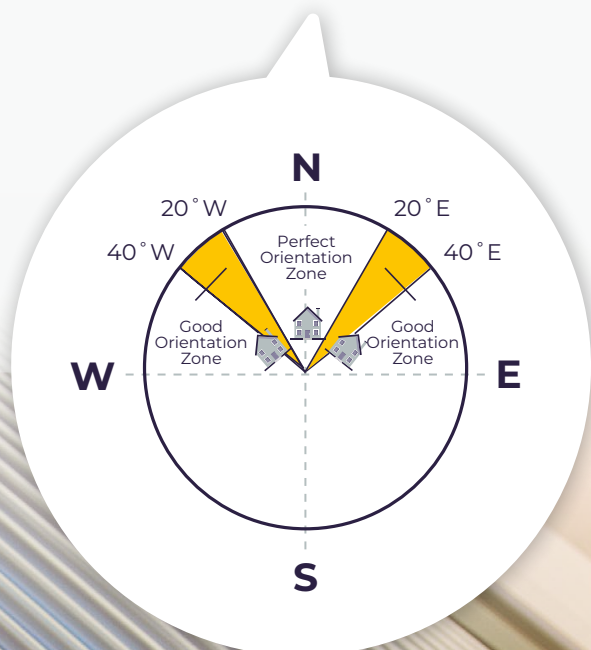
Optional flat roof frame



Water heater feet can be moved up to 30° angle



Copper tube with thermal pipe lagging and silicone



Product Specifications



Kwiksol Direct Solar System

	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

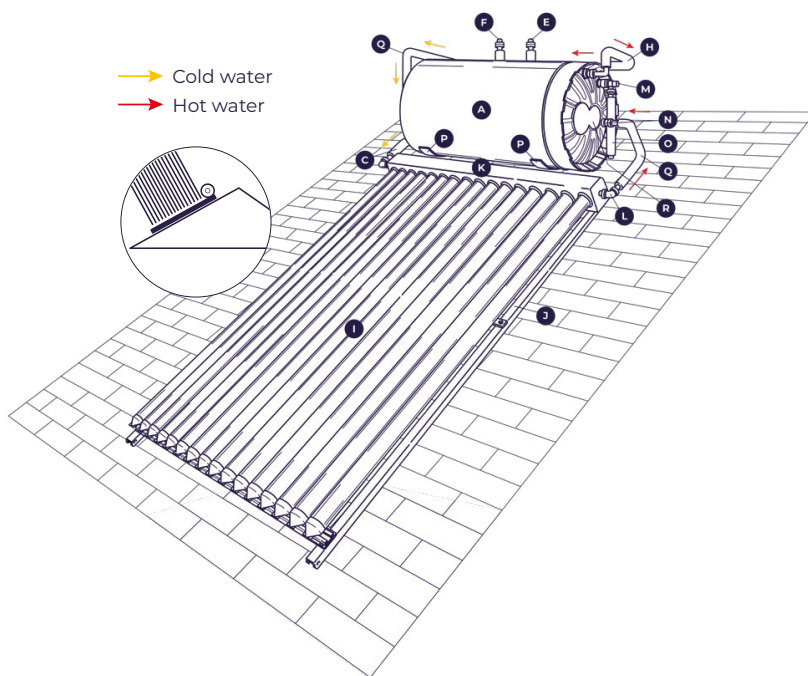


Installation Specifications

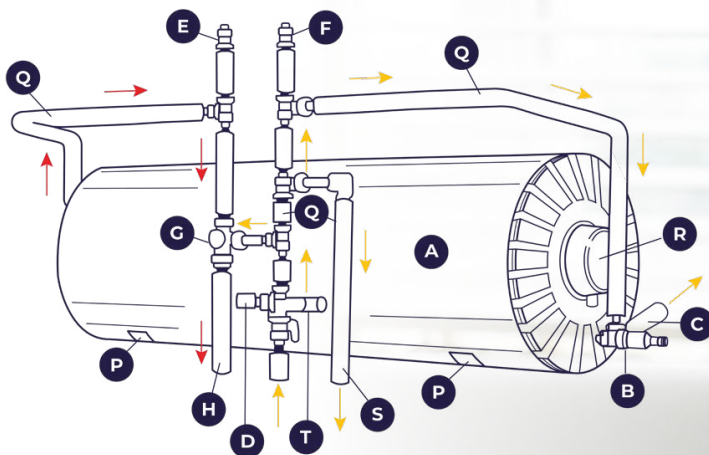
Installation Diagram

Direct Close Coupled Thermosyphon Method

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



Rear view



- 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



Warranty



Standard Warranty

Warranty Terms

This warranty is given by **Kwikot (Haier) SA PTY LTD.**

The benefits conferred by this warranty are in addition to all other legal rights and remedies of the Customer in respect of the Product. Given installation and application is in accordance with the manufacturer's specifications and instructions, the Product and components are warranted by **Kwikot (Haier) SA PTY LTD.** for the cost of labour and components in the event of defects arising from faulty materials and/or workmanship in accordance with the warranty conditions and exclusions stated in this document. Warranty of the Product will remain with the Product for the warranty coverage period.

Product 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.

Maintenance Recommendations

- Service the system once a year.
- Additional maintenance may be required due to area and usage.





Warranty

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.





Scan and Register Your Kwikot Product (Please Register Online)

Register your Kwikot product today by scanning the QR code on your water heater or by visiting **www.kwikot.com** to complete the online registration form.

This simple process allows our service team to quickly access your product information, ensuring faster warranty validation and more efficient handling of service calls.

By registering your product, you help us provide a seamless and convenient support experience.



Scan Here
To Register



KWIKOT

powered by **Haier**

Need Assistance?

Sales and Payment Queries:
za_salesorders@kwikot.com | **011 897 4600**

Admin, Marketing and Product Queries:
kwikot.marketinginfo@kwikot.com

Technical Queries:
technical.info@kwikot.com

Gauteng
3 Aberdeen Road
Industrial Sites
Benoni

KwaZulu-Natal
814 Peter Close
Springfield Park
Durban

Western Cape
15 Purdey Road
Sheffield Business Park
Philippi, Cape Town

Eastern Cape
39-41 Leadwood
Crescent
Fairview
Port Elizabeth

www.kwikot.com