

# ELECTRIC WATER HEATERS

*domestic range*



600 DUAL SLIMLINE  
600 DUAL STANDARD  
600i DUAL SLIMLINE  
600i DUAL STANDARD



DOMESTIC ELECTRIC WATER HEATERS



## Electric Water Heater



### product features

- The Kwikot 600i Dual is a high-pressure electric water heater and is SABS 600kPa approved and available in Slimline and Standard formats.
- An Isolator Switch is fitted to the electrical cover.
- The inner cylinder is manufactured from 1.6mm steel on all sizes except the 250 litre, which is 2mm steel and thermofused porcelain enamelled for cylinder longevity and hygiene.
- Polyurethane insulation between the inner cylinder and outer galvanised casement reduces energy and heat loss.
- Double anodes for additional protection against harsh water conditions are fitted to the 250lt Standard unit.
- The units can be installed horizontally or vertically.

### product specification data

Capacity (Litres)	Element Rating (kW)	Operating Pressure (kPa)	Mass Empty (kg)	Connections (BSP)	Capacity (Litres)	Element Rating (kW)	Operating Pressure (kPa)	Mass Empty (kg)	Connections (BSP)
<b>SLIMLINE</b>					<b>STANDARD</b>				
50	2	Up to 600	21	3/4"	100	2	Up to 600	30	3/4"
100	2	Up to 600	30	3/4"	150	3	Up to 600	39	3/4"
150	3	Up to 600	39	3/4"	200	4	Up to 600	47	3/4"
					250	4	Up to 600	64	3/4"

Product Code	Capacity (Litres)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
<b>SLIMLINE</b>					
ESG-050-D2-I	50	560	480	130	355
ESG-100-D2-I	100	940	480	510	355
ESG-150-D2-I	150	1320	480	895	355
<b>STANDARD</b>					
EF100-2D-I	100	760	535	420	355
EF150-2D-I	150	1040	535	700	355
EF200-2D-I	200	1380	535	995	355
EF250-RD-I	250	1650	535	1280	355

Complies to SABS 1151-2002 Specifications

### product installation data

The Kwikot 600i Dual must be installed in compliance with SANS 10254 Electric Hot Water Storage Heaters with a Temperature & Pressure Valve (Safety Valve), Drain Cock (both supplied with the water heater), Kwikot Pressure Control Valve, Kwikot Drip Tray and Kwikot Vacuum Breakers (see back of brochure for a typical installation diagram).

The 600i Dual water heater must be installed under cover and not exposed directly to climatic weather conditions. The 600 Dual water heater is IPX4 rated.

The following minimum installation clearance must be allowed for on each side in the event of having to remove the element, thermostat or the anode/s:

50lt/100lt/150lt – 450mm ; 200lt/250lt – 920mm

The 200lt and 250lt capacity units must not be wall mounted.

### product warranty and anode servicing

The period of guarantee is from the date of installation providing that documentation of proof of installation is furnished, or alternatively from date of manufacture as determined from the serial plate on the end dome.

- One year on the spiral element, thermostat, isolator switch, flange assembly plate and gasket.
- Two years on the Safety Valve and Drain Cock.
- Five Years on the inner cylinder, subject to water conditions equivalent to main Metropolitan supply authorities. This guarantee is subject to only genuine Kwikot replacement parts (spiral element and thermostat etc) been used whilst the inner cylinder is still under guarantee.
- The guarantee on the installation is the responsibility of the installer.

Water specification and Anode servicing/replacement is as follows:

Total Dissolved Solids (Parts per Million)	Recommended Anode Replacement
100-600	3 Years
601-1000	2 Years
Over 1000	1 Year



Slimline

Standard



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- The units can be installed horizontally or vertically.

### product specification data

Capacity (Litres)	Element Rating (kW)	Operating Pressure (kPa)	Mass Empty (kg)	Connections (BSP)	Capacity (Litres)	Element Rating (kW)	Operating Pressure (kPa)	Mass Empty (kg)	Connections (BSP)
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EF250-RD	250	1650	535	1280	355

**Side View**

Complies to SABS 1151-2002 Specifications



## AUXILIARY COMPONENTS

In compliance to SANS 10254

### pressure control valves

- Kwikot Multi Valves with integral isolating valve and expansion relief valve are available in **200kPa**, **400kPa** and superior **600kPa** high pressure, with various connection sizes and types.
- Kwikot Mono Valves with expansion relief valve are available in **200kPa**, **400kPa** and superior **600kPa** high pressure, with various connection sizes and types.



### temperature and pressure valve (safety valve)

- Kwikot Safety Valve **600kPa** 20mm Female Iron with compression outlet.



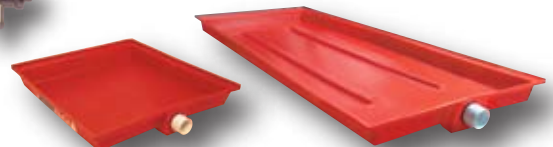
### drain cock and vacuum breakers

- Kwikot Drain Cock 20mm Female with compression outlet.
- Kwikot Vacuum Breakers 22mm CXC



### drip trays

- Kwikot Drip Tray for horizontal geyser installations.
- Kwikot Drip Tray for vertical geyser installations.



### electric water heater blanket

- one common blanket size for all geyser capacities



### thermal pipe lagging

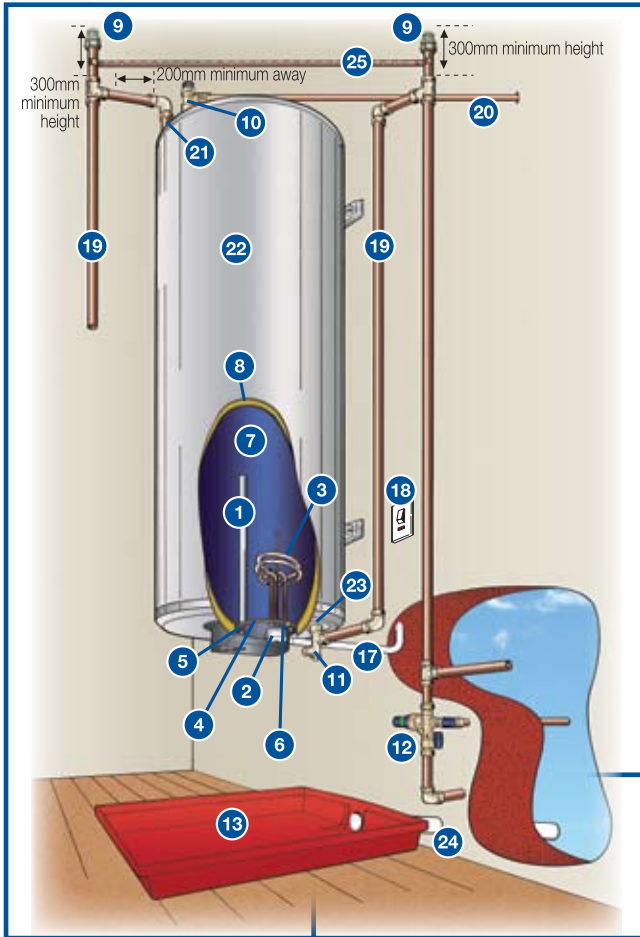
- thermal pipe lagging sizes 15mm and 22mm





# INSTALLATION DIAGRAMS

## vertical slimline installation

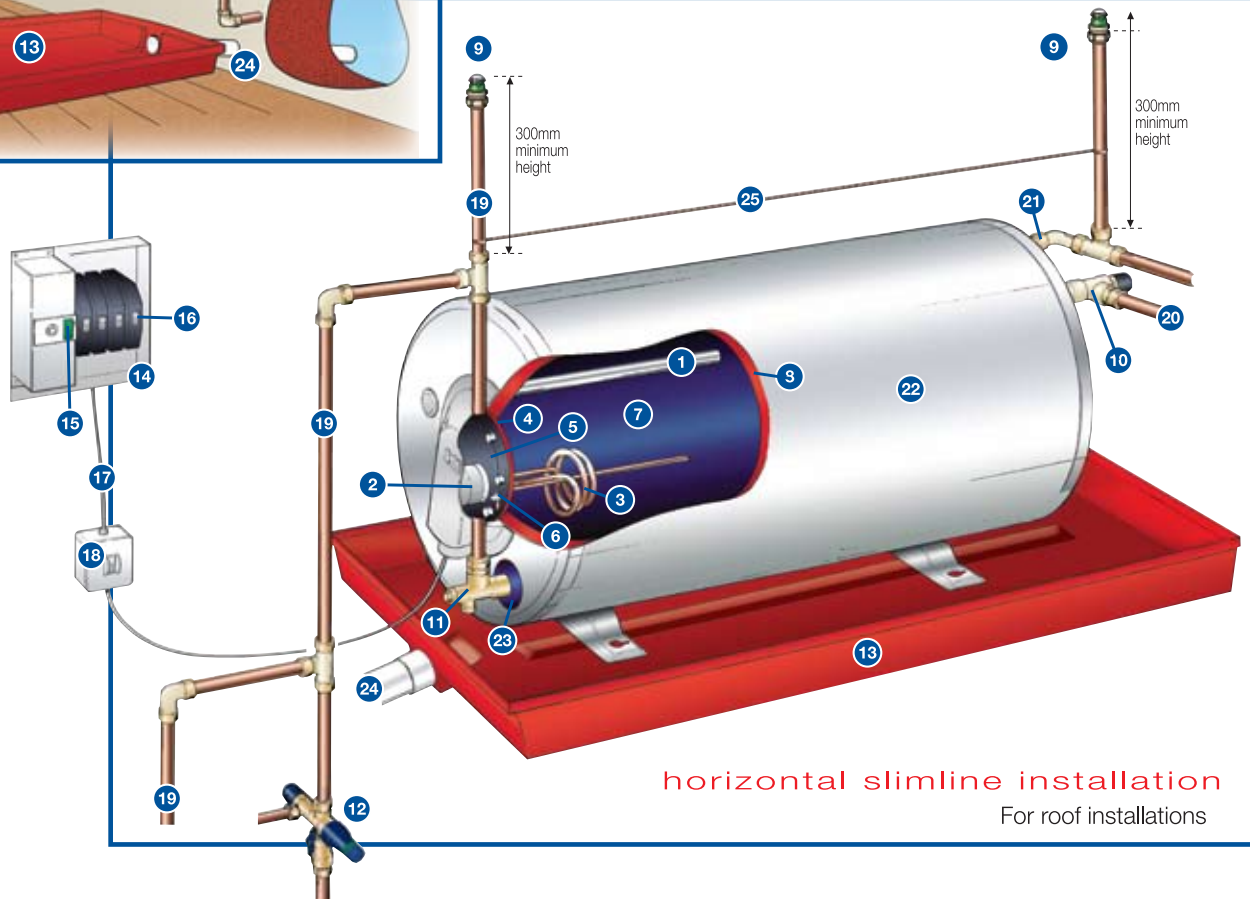


## Product Description

1	Anode
2	Kwikot Thermostat TH208, 20Amp
3	Kwikot Spiral Element
4	Flange Gasket
5	Flange
6	Earth Stud
7	Thermofused Porcelain Enamel Lining
8	Urethane Insulation
9	Kwikot Vacuum Breaker
10	Kwikot Safety Valve, 600kPa
11	Kwikot Draincock
12	Kwikot Multi Valve, 600kPa
13	Kwiktray Geysers Tray
14	Distribution Board
15	Earth Leakage - 60 Amp
16	Geysers Circuit Breaker
17	Cable Size, Minimum of 2,5mm <sup>2</sup>
18	Isolating Switch 1m away from Electrical Connection on Geysers
19	Copper Pipe
20	Overflow Pipe to Exterior of Building, 20mm Metallic
21	Hot Water Outlet
22	Kwikot 600 Dual Geysers, 600kPa SABS Approved
23	Cold Water Inlet
24	Geysers Tray Overflow Pipe, 40mm
25	Earth Bonding Strap between Hot and Cold Water

## horizontal slimline installation

For roof installations



DOMESTIC ELECTRIC WATER HEATERS

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