

# prisma *Deluxe*



*Point of Use Electric Water Heaters with  
Titanium Coated Glasslined Inner Cylinder*

**30 LITRE OVER BASIN; 15 LITRE OVER BASIN;  
10 LITRE OVER BASIN; 10 LITRE UNDER BASIN**



*overcomes having to wait  
for hot water!*

**POINT OF USE ELECTRIC WATER HEATERS**



### product applications

Kwikot Prisma Deluxe Electric Water Storage Heaters are suitable for domestic kitchens and laundries, medical suites, clinics and office kitchenettes where hot water is readily required. The units solve the problem of having to wait for hot water from larger electric water heaters (geysers) which may be installed some distance from the point of use, thus saving on water wastage.

### product features

- Kwikot Prisma Deluxe Electric Water Heaters have a Titanium Glasslined Inner Cylinder, offering a long life to the cylinder (subject to water conditions equivalent to Metropolitan supply authorities).
- All units have a shiny non-corrosive polypropylene outer casing, which provides aesthetic appeal and will not discolour overtime.
- Thick polyurethane foam insulation is used to reduce inner cylinder heat loss.
- Units are fitted with a larger sacrificial anode, providing additional inner cylinder protection.
- External Temperature Controls are fitted with a maximum temperature setting of 75°C.
- Thermostat with bipolar safety device is fitted.
- Maximum working pressure up to 800kPa.
- Fitted electrical cable with 15 Amp 3 Pin Electrical Plug.

### product specification data

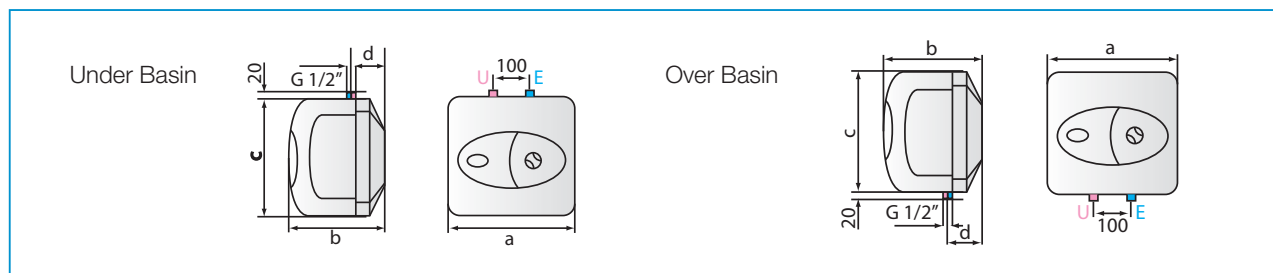
Units are tested to SANS 60335-2-21.

| Model                                   | 10lt Under Basin | 10lt Over Basin | 15lt Over Basin | 30lt Over Basin |
|-----------------------------------------|------------------|-----------------|-----------------|-----------------|
| Weight (empty)                          | 6.6kgs           | 6.6kgs          | 7.4kgs          | 12.8kgs         |
| Electrical Supply                       | 230V             | 230V            | 230V            | 230V            |
| Wattage                                 | 1500             | 1500            | 1500            | 1500            |
| Heating Time ( $\Delta T=50^{\circ}C$ ) | 23 minutes       | 23 minutes      | 35 minutes      | 70 minutes      |
| Heat Dispersion (kWh/24hours)           | 0.43             | 0.55            | 0.53            | 0.61            |

The Thermostat, will cutout when the required temperature is reached. The recommended setting is 60°C. Faulty Thermostats and Elements can be replaced when necessary. The Sacrificial Anode must be checked every six months for degradation and replaced if necessary.

### product dimensions

| Product Code | PRX-10-UB        | PRX-10-OB       | PRX-15-OB       | PRX-30-OB       |
|--------------|------------------|-----------------|-----------------|-----------------|
| Dimension    | 10lt Under Basin | 10lt Over Basin | 15lt Over Basin | 30lt Over Basin |
| A (mm)       | 357              | 357             | 357             | 447             |
| B (mm)       | 261              | 261             | 308             | 370             |
| C (mm)       | 357              | 357             | 357             | 447             |
| D (mm)       | 92               | 92              | 78              | 114             |



### product installation data

- Installation of the point of use electric water storage heater must be carried out by a qualified plumber.
- The Under Basin unit should be fitted with a counter surface PUSH THROUGH MIXER (not supplied) and the Over Basin Unit with a over counter PUSH THROUGH MIXER (not supplied) or with STOP COCK and SPOUT (not supplied). These are available as optional extras.

## installation of the under basin unit

Allow sufficient space beneath the basin/sink for the unit and a 15 Amp wall socket should be within 1.5m of the unit.

1. Selecting a Position for the Mixer on the Basin/Sink (using the Kwikot Under Basin Mixer PMX-74)
  - Select the side of the basin/sink most suited for the mixer hole and where the space is directly underneath the unit.
  - Ideally the cold water connection should be on the same side as the mixer and under the basin/sink.
  - Using a drilling machine with a hole saw for stainless steel sinks or acrylic basins drill the mounting hole. On ceramic basins the mounting hole should already be provided.
  - Fit the mixer to the basin/sink and fit the flexible hoses to the mixer. Note the directional flow arrows on the hoses.
2. Mounting the Unit
  - Hold the unit against the wall within reach of the mixer's flexible hoses and mark the unit's position.
  - Remove the unit and drill two holes with a masonry drill bit to fix the hanging bracket to the wall. Minimum M8 size raw bolts should be used.
  - Fix the bracket to the wall by means of the raw bolts and ensure that the bracket is level by using a split-level.
  - Hang the unit onto the two hooks on the bracket.
3. Connecting the Mixer Pipes to the Unit and Water Supply Connection
  - Position the hoses to line up with the hot and cold connection points on the unit.
  - Using PTFE thread tape, screw the two hoses (hot and cold) onto the correct connections and the third hose connect to the main cold water supply, ensuring all hoses are tightly fastened.
4. Filling the Unit with Water
  - Open the main cold water supply to the mixer and open the flow control tap on the mixer.
  - Open the flow control tap on the mixer marked with a WHITE dot only.
  - Turn the temperature control tap on the mixer in the direction of the RED arrow mark. When all the air has expelled and the water flows freely from the spout, turn the temperature control tap in the direction of the BLUE arrow mark and see that the water flows freely.
  - When water flows freely on both the hot and cold settings, close the flow control tap.
  - **Ensure the unit is filled with water before connecting the electricity supply.**
5. Connecting the Electricity Supply
  - Plug the 15 Amp electrical cable into the wall socket and switch "ON".
  - Adjust the External Temperature Control to the desired setting (recommended 60°C) and switch "ON" the unit. The amber light will glow indicating that the water is been heated.

Important Note: After the first heating cycle of 23 minutes, depending on the size of the unit, drain off all the hot water to expel any contaminants i.e. solder flux.

## installation of the over basin units

The area above the basin/sink must be bricked or tiled with no window, a 15 Amp wall socket should be within 1.5m of the unit and a 15mm female cold water connection 350mm in the centre above the basin/sink.

1. Position for the Mixer (using the Kwikot Over Basin Mixer PMX-72) and Water Supply Connection
  - Slide the chrome finishing trim onto the mixer and screw the mixer without the spout onto the 15mm female cold water connection. Make sure the spout connection points downwards and the mixer is tightened.
  - Attached the spout.
2. Mounting the Unit
  - The ideal height for the unit is +/-600mm from the top of the basin/sink to the bottom of the unit.
  - Hold the unit against the wall and mark the unit's position.
  - Remove the unit and drill two holes with a masonry drill bit to fix the hanging bracket to the wall. Minimum M8 size raw bolts should be used.
  - Fix the bracket to the wall by means of the raw bolts and ensure that the bracket is level by using a split-level.
  - Hang the unit onto the two hooks on the bracket.
3. Connecting the Mixer Pipes.
  - Measure the length between the pipe connections on the bottom of the unit and the mixer and cut the pipes to size using a hacksaw or tube cutter.
  - Slide the pipe nuts and sealing washers over the pipes and fit the pipes (hot and cold) onto the correct connections, ensuring all hoses are tightly fastened.
4. Filling the Unit with Water
  - Open the main cold water supply to the mixer and open the flow control tap on the mixer.
  - Open the flow control tap on the mixer marked with a WHITE dot only.
  - Turn the temperature control tap on the mixer in the direction of the RED arrow mark. When all the air has expelled and the water flows freely from the spout, turn the temperature control tap in the direction of the BLUE arrow mark and see that the water flows freely.
  - When water flows freely on both the hot and cold settings, close the flow control tap.
  - **Ensure the unit is filled with water before connecting the electricity supply.**
5. Connecting the Electricity Supply
  - Plug the 15 Amp electrical cable into the wall socket and switch "ON".
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Point of Use Electric Water Heaters with  
Titanium Coated Glasslined Inner Cylinder



Mixer PMX-74



Mixer PMX-72



Over Basin 30 Litre



Over Basin 15 Litre



Over Basin 10 Litre



Under Basin 10 Litre

POINT OF USE ELECTRIC WATER HEATERS

### warranty and anode servicing

- One year on the inner Titanium cylinder and on the Element and Thermostat. The warranty on the inner cylinder is subject to water conditions equivalent to main metropolitan supply authorities.
- Guarantees are applicable from date of purchase and validated by means of a purchase invoice, delivery note or submittance of a completed warranty card to Kwikot (card supplied with unit).
- The warranty is applicable in South Africa, Namibia, Lesotho, Swaziland and Botswana and subject to water conditions equivalent to main Metropolitan supply authorities
- Anode to be replaced every six months to prolong the longevity of the inner Titanium cylinder.



## IPX1

IEC 60353-5-2-21

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