- The kettle starts heating up.
- The kettle switches off automatically ('click') when the water boils.
- The power-on light goes out automatically when the kettle switches off.

*Note: You can interrupt the boiling process at any time by pushing the on/off switch upwards.*

## Cleaning

Never use scouring pads, abrasive cleaning agents or aggressive liquids such as petrol or acetone to clean the appliance.

Never immerse the kettle or its base in water.

1 Unplug the appliance.

2 Clean the outside of the kettle with a soft cloth moistened with warm water and some mild cleaning agent.

3 Clean the scale filter regularly.
Scale is not harmful to your health but it may give your drink a powdery taste. The scale filter prevents scale particles from ending up in your drink. Clean the scale filter in one of the following ways:
- Take the scale filter out of the kettle and gently clean it with a soft nylon brush under a running tap. (Fig. 6)
- Leave the scale filter in the kettle when you descale the whole appliance.
- Clean the scale filter in the dishwasher.

## Descaling

Regular descaling prolongs the life of the kettle.
In case of normal use (up to 5 times a day), we recommend the following descaling frequency:
- Once every 3 months for soft water areas (up to 18dH).
- Once every month for hard water areas (more than 18dH).

1 Fill the kettle with approx. 900ml water.

2 Switch on the kettle.

3 After the kettle switches off, add white vinegar (8% acetic acid) to the MAX indication.

4 Leave the solution in the kettle overnight.

5 Empty the kettle and rinse the inside thoroughly.

6 Fill the kettle with fresh water and boil the water.

7 Empty the kettle and rinse it with fresh water again.
Repeat the procedure if there is still some scale in the kettle.

*Tip: You can also use an appropriate descaler. In that case, follow the instructions on the package of the descaler.*

## Storage

1 To store the mains cord, wind it round the reel in the base (Fig. 2).

## Replacement

If the kettle, the base or the mains cord of the appliance is damaged, take the base or the kettle to a service centre authorised by Philips for repair or replacement of the cord to avoid a hazard.

You can purchase a new filter (order number 4222 459 45327) at your Philips dealer or at a Philips service centre.

## Environment

- Do not throw away the appliance with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment (Fig. 7).

## Guarantee and service

If you need service or information or if you have a problem, please visit the Philips website at **www.philips.com** or contact the Philips Consumer Care Centre in your country (you find its phone number in the worldwide guarantee leaflet). If there is no Consumer Care Centre in your country, go to your local Philips dealer.

HD4656




### Save energy, only boil what you need

Filling your kettle completely to make just one or two cups of tea wastes energy. This Philips kettle has a unique 1 cup indicator so you can easily see exactly how much water you need. By only boiling the cup of water you need you could save up to 66% energy, that's enough to earn your kettle back in a year!*
If everyone boiled only the amount of water they need, we could light the streets of the UK for 7 months! (DEFRA).

* boiling 1 cup vs. 1 litre, 7 times a day

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### Did you know this about your kettle?

- ✔ Boiling some water in the electric kettle to wash a few dishes is more energy-efficient than filling the sink with hot tap water.
- ✔ Boiling water in the electric kettle is more efficient than boiling water on the stove.
- ✔ Boiling cold water in the kettle takes less energy than boiling hot water, despite the longer boiling time. You save the energy that would otherwise be used to heat up water in your hot water system.

### Energy saving tips and tricks

✔ Switch to energy-efficient light bulbs
Energy-efficient light bulbs last up to 10 times longer than standard ones and use up to 80% less energy at the same time.

✔ Do not leave appliances on standby
5% of your power bill is used to run electrical appliances on standby. If a LED light is on, your appliance is using energy.

✔ Switch off lights in empty rooms
You could cut your lighting costs by as much as 15% just by making sure you turn off lights in rooms and corridors that are not in use.

✔ Don't turn up the heating unless you really need to
Unless it's just too cold for comfort, try to keep your thermostat at 19°C. Your heating costs go up by 8% each time you increase the temperature by just one degree

✔ Jazz up your hot water tank with a jacket
Insulate your hot water tank with a jacket. It only costs a few pounds and, with all the heat it traps in, it pays for itself within months. Fit one that is at least 75mm (3") thick and you save a great deal of energy. If every UK household would be fitted with an adequate tank-jacket tomorrow, we would save over £89 million in energy costs every year.

✔ Look for the logo
When you purchase new appliances, always look for the Energy Saving Recommended logo. Energy Saving Recommended appliances are the most efficient in their category and could save you up to £37 a year.

✔ Keep twice as warm with double glazing
Double glazing cuts heat loss through windows by 50% and acts as an insulator, in the same way as loft and wall cavity insulation, making your heating more energy-efficient.

*Sources: Energy Saving Trust, Carbon Trust, DEFRA*

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## ENGLISH

### Introduction

Congratulations on your purchase and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

### General description (Fig. 1)

**A** Lid
**B** Lid latch
**C** Water level indicator
**D** On/off switch (I/O) with power-on light
**E** Mains cord
**F** Cord storage facility
**G** Base
**H** Spout
**I** Scale filter

### Important

Read this user manual carefully before you use the appliance and save it for future reference.

**Danger**

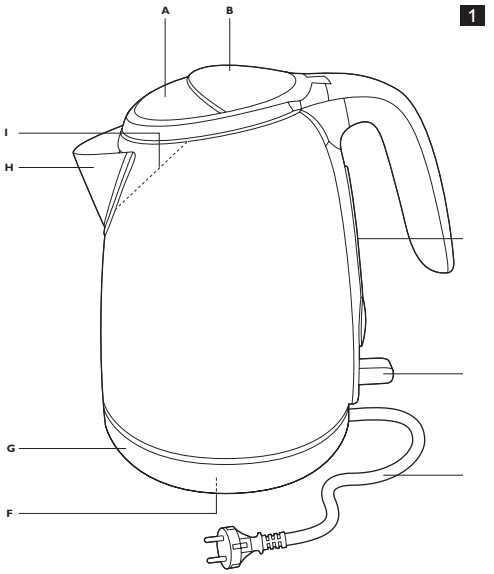
- Do not immerse the appliance or the base in water or any other liquid.

**Warning**

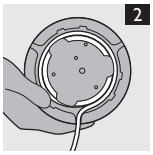
- Check if the voltage indicated on the appliance corresponds to the local mains voltage before you connect the appliance.
- Do not use the appliance if the plug, the mains cord, the base or the appliance itself is damaged.
- If the mains cord is damaged, you must have it replaced by Philips, a service centre authorised by Philips or similarly qualified persons in order to avoid a hazard.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Keep the mains cord out of the reach of children. Do not let the mains cord hang over the edge of the table or worktop on which the appliance stands. Excess cord can be stored in or around the base of the appliance.
- Keep the mains cord, the base and the kettle away from hot surfaces.
- Do not place the appliance on an enclosed surface (e.g. a serving tray), as this could cause water to accumulate under the appliance, resulting in a hazardous situation.
- Hot water can cause serious burns. Be careful when the kettle contains hot water.
- Do not touch the body of the kettle during and some time after use, as it gets very hot. Always lift the kettle by its handle.
- Never fill the kettle beyond the maximum level indication. If the kettle has been overfilled, boiling water may be ejected from the spout and cause scalding.
- Do not open the lid while the water is heating up or boiling. Be careful when you open the lid immediately after the water has boiled: the steam that comes out of the kettle is very hot.
- This rapid-boil kettle can draw up to 13 amps from the power supply in your home. Make sure that the electrical system in your home and the circuit to which the kettle is connected can cope with this level of power consumption. Do not let too many other appliances draw power from the same circuit while the kettle is being used.
- Only use the kettle in combination with its original base.

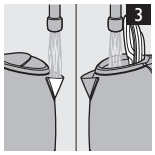
**Caution**

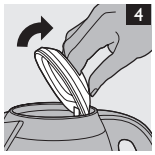
- Do not connect the appliance to an external switching device such as a timer and do not connect it to a circuit that is regularly switched on and off by the utility. This prevents a hazard that could be caused by inadvertent resetting of the thermal cut-out.
- Always place the base and the kettle on a dry, flat and stable surface.
- The kettle is only intended for boiling water. Do not use it to heat up soup or other liquids or jarred, bottled or tinned food.
- Never fill the kettle below the 1-cup level to prevent it from boiling dry.
- Depending on the hardness of the water in your area, small spots may appear on the heating element of your kettle when you use it. This phenomenon is the result of scale build-up on the heating element and on the inside of the kettle over time. The harder the water, the faster scale builds up. Scale can occur in different colours. Although scale is harmless, too much scale can influence the performance of your kettle. Descale your kettle regularly by following the instructions given in chapter 'Descaling'.

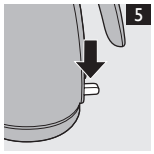


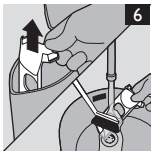
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- Some condensation may appear on the base of the kettle. This is perfectly normal and does not mean that the kettle has any defects.
- This appliance is intended to be used in household and similar applications such as:
  1. staff kitchen areas in shops, offices and other working environments;
  2. farm houses;
  3. by clients in hotels, motels and other residential type environments;
  4. bed and breakfast type environments.

**Boil-dry protection**

This kettle is equipped with boil-dry protection. This device automatically switches off the kettle if it is accidentally switched on when there is no water or not enough water in it. Lift the kettle from its base and fill it with water to reset boil-dry protection. The kettle is now ready for use again.

**Electromagnetic fields (EMF)**

This Philips appliance complies with all standards regarding electromagnetic fields (EMF). If handled properly and according to the instructions in this user manual, the appliance is safe to use based on scientific evidence available today.

### Before first use

1 Remove stickers, if any, from the base or the kettle.

2 Place the base on a dry, flat and stable surface.

3 To adjust the length of the cord, wind part of it round the reel in the base. Pass the cord through one of the slots in the base. (Fig. 2)

4 Rinse the kettle with water.

5 Fill the kettle with water up to the maximum level and let the water boil once (see chapter 'Using the appliance').

6 Pour out the hot water and rinse the kettle once more.

### Using the appliance

1 Fill the kettle with water. You can fill the kettle either through the spout or through the open lid. (Fig. 3)
- To open the lid, pull at the lid latch (Fig. 4).
- Fill the kettle with at least one cup (250ml) water.
- Close the lid before you switch on the kettle.

Make sure that the lid is properly closed to prevent the kettle from boiling dry.

2 Place the kettle on its base and put the plug in the wall socket.

3 Push the on/off switch downwards to switch on the appliance (Fig. 5).
◗ The power-on light goes on.